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BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	161.73	-2.69	126.57	161.73	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -40.0 BT +	\$gend11	1.18	-2.89	-394.80	3.12	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend1	-0.54	0.54	0.47	0.66	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend2	-0.54	-0.95	0.97	1.34	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend3	140.50	49.64	72.88	87.05	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend4	140.50	-37.96	119.96	171.10	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend5	140.50	142.56	100.44	142.56	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -30.0 BT +	\$gend11	117.280.1P	-0.56	-377.94	72.52	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -30.0 BT +	\$gend1	-0.67	0.68	0.64	0.95	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -30.0 BT +	\$gend2	-0.70	-0.71	0.68	1.00	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -30.0 BT +	\$gend3	84.58	58.90	83.62	103.07	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -90.0 BT +	\$gend4	95.28	-66.44	94.74	116.16	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -90.0 BT +	\$gend4	125.66	-0.04	96.74	125.66	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -90.0 BT +	\$gend11	125.66	-0.04	96.74	125.66	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend2	-0.37	1.32	0.50	1.91	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend3	55.53	38.60	57.39	67.63	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend4	116.46	-81.37	116.86	142.07	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend5	117.95	-0.18	92.33	117.95	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -50.0 BT +	\$gend11	117.95	-0.54	-205.00	5.64	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -50.0 BT +	\$gend1	-0.84	-0.85	0.85	1.20	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -50.0 BT +	\$gend2	-0.97	-0.88	0.88	1.24	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -50.0 BT +	\$gend3	-0.97	-0.98	0.98	1.24	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -50.0 BT +	\$gend4	78.50	-43.62	79.45	96.04	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -50.0 BT +	\$gend5	105.78	-0.02	82.36	105.78	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -90.0 BT +	\$gend11	125.66	-0.04	96.74	125.66	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -90.0 BT +	\$gend11	125.66	-0.04	96.74	125.66	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -90.0 BT +	\$gend11	125.66	-0.04	96.74	125.66	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -90.0 BT +	\$gend11	125.66	-0.04	96.74	125.66	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend1	-0.61	-0.61	0.56	0.86	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend2	-0.61	-0.61	0.56	0.86	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend3	120.45	84.09	120.54	146.90	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend4	64.58	-41.11	67.54	79.02	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend4	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00
BP-28-9	DEI1 Left tow	ULS 15yr la W 2III WL -45.0 BT +	\$gend11	126.09	0.16	98.77	126.09	0.00	0.00	0.00



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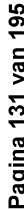
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Loads At Insulator Attachments For All Load Cases for Structure Range

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TM 78	DE1+0.tow	ULS 15yr la W ZIIII WL -90,T BI+	55.341	3.235	17.516	58.137
TM 78	DE1+0.tow	ULS 15yr la W ZIIII WL 45,T BI+	16.576	2.972	1.948	17.051
TM 78	DE1+0.tow	ULS 15yr la W ZIIII WL 45,T BI+	60.650	10.874	17.218	63.978
TM 78	DE1+0.tow	ULS 15yr la W ZIIII WL 45,T BI+	55.352	9.574	18.251	59.064
TM 78	DE1+0.tow	ULS 15yr la W ZIIII WL 45,T BI+	61.059	10.413	17.550	64.379
TM 78	DE1+0.tow	ULS 15yr la W ZIIII WL 90,T BI+	51.360	9.843	17.501	53.701
TM 78	DE1+0.tow	ULS 15yr la W ZIIII WL 90,T BI+	52.960	10.081	17.245	52.701
TM 78	DE1+0.tow	ULS 15yr la W ZIIII WL 90,T BI+	49.559	2.088	18.229	52.847
TM 78	DE1+0.tow	ULS 15yr la W ZIIII WL 90,T BI+	55.188	3.257	17.548	58.005
TM 78	DE1+0.tow	ULS 15yr la W ZIIII WF 0,T BI+	25.912	-2.357	1.687	26.077
TM 78	DE1+0.tow	ULS 15yr la W ZIIII WF 0,T BI-	81.172	-11.001	16.648	83.589
TM 78	DE1+0.tow	ULS 15yr la W ZIIII WF 0,T BI-	72.038	-10.829	18.158	75.076
TM 78	DE1+0.tow	ULS 15yr la W ZIIII WF 0,T BI-	78.657	-8.567	17.208	80.872
TM 78	DE1+0.tow	ULS 15yr la W ZIIII WF -45,T BI-	18.316	-1.044	1.916	18.445
TM 78	DE1+0.tow	ULS 15yr la W ZIIII WF -45,T BI-	53.151	6.326	18.171	55.655
TM 78	DE1+0.tow	ULS 15yr la W ZIIII WF -45,T BI-	50.151	6.326	18.247	55.655
TM 78	DE1+0.tow	ULS 15yr la W ZIIII WF -45,T BI-	63.650	-3.805	17.521	66.127
TM 78	DE1+0.tow	ULS 15yr la W ZIIII WF 45,T BI-	16.527	-0.779	1.861	16.649
TM 78	DE1+0.tow	ULS 15yr la W ZIIII WF 45,T BI-	60.076	-4.822	16.926	62.601
TM 78	DE1+0.tow	ULS 15yr la W ZIIII WF 45,T BI-	55.611	-5.008	18.156	58.714
TM 78	DE1+0.tow	ULS 15yr la W ZIIII WF 45,T BI-	60.893	-3.203	17.356	63.400
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WR,T NI+	25.627	4.170	3.292	26.172
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WR,T NI+	89.724	12.425	22.247	93.272
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WR,T NI+	91.315	10.634	23.933	86.952
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WR,T NI+	92.121	12.724	22.287	92.326
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WR,T NI+	25.929	-0.764	3.287	26.148
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WR,T NI-	90.376	-3.405	22.237	93.134
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WR,T NI-	83.427	-3.757	23.931	86.875
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WR,T NI-	92.408	-1.471	22.750	95.188
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WR,T NI-	25.627	4.170	3.292	26.172
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WL 0,T BI+	89.724	12.425	22.247	93.272
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WL 0,T BI+	92.915	10.634	23.933	86.952
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WL 0,T BI+	91.731	12.352	22.798	95.325
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WL -45,T BI+	84.366	8.598	22.264	87.471
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WL -45,T BI+	78.914	7.167	23.916	82.769
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WL -45,T BI+	87.420	9.052	22.765	90.988
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WL -45,T BI+	21.996	1.459	3.375	22.301
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WL -90,T BI+	82.834	4.139	22.380	85.904
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WL -90,T BI+	77.598	3.176	23.943	81.260
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WL -90,T BI+	86.357	5.097	22.866	89.479
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WL 45,T BI+	22.930	2.641	3.384	23.328
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WL 45,T BI+	78.453	6.900	23.970	81.701
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WL 45,T BI+	22.029	1.449	3.381	22.334
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WL 90,T BI+	82.840	4.158	22.359	85.915
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WL 90,T BI+	77.531	3.201	23.950	81.209
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WL 90,T BI+	86.347	5.108	22.880	89.473
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WF 0,T BI-	25.929	-0.764	3.287	26.148
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WF 0,T BI-	90.376	-3.405	22.237	93.134
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WF 0,T BI-	83.427	-3.757	23.931	86.875
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WF 0,T BI-	92.408	-1.471	22.750	95.188
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WF -45,T BI-	23.461	0.191	3.375	23.704
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WF -45,T BI-	85.545	-0.079	22.429	88.436
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WF -45,T BI-	79.366	-0.661	23.969	82.909
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WF -45,T BI-	88.530	1.356	22.904	91.455
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WF 45,T BI-	22.787	0.379	3.332	23.032
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WF 45,T BI-	84.255	0.266	22.273	87.149
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WF 45,T BI-	78.923	-0.423	23.917	82.468
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WF 45,T BI-	14.575	1.790	21.952	10.814
TM 78	DE1+0.tow	ULS 15yr 3 W + I ZIIII WR,T NI+	14.575	1.790	21.952	10.814
TM 78	DE1+0.tow	ULS 15yr 4 Cold ZIIII WR,T NI+	56.606	5.871	17.148	59.437
TM 78	DE1+0.tow	ULS 15yr 4 Cold ZIIII WR,T NI+	52.425	4.934	18.212	55.717
TM 78	DE1+0.tow	ULS 15yr 4 Cold ZIIII WR,T NI+	58.905	6.144	17.481	61.750
TM 78	DE1+0.tow	ULS 15yr 4 Cold ZIIII WR,T NI-	14.673	0.142	1.951	14.803
TM 78	DE1+0.tow	ULS 15yr 4 Cold ZIIII WR,T NI-	56.830	-0.189	17.145	59.360



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TM 78	DE1+0.tow	SeLS 6a C & M ZIIII WL -90,T BI+	13	Strain 8MXE28.4P	45.358	2.266	14.314	47.617
TM 78	DE1+0.tow	SeLS 6a C & M ZIIII WL -90,T BI+	14	Strain 116XME25.5P	42.592	1.744	15.167	45.245
TM 78	DE1+0.tow	SeLS 6a C & M ZIIII WL -90,T BI+	15	Strain 113XME15.4P	47.171	2.783	14.581	49.452
TM 78	DE1+0.tow	SeLS 6a C & M ZIIII WL 45,T BI+	BL	Strain 116XME31.3P	11.060	0.936	1.658	11.223
TM 78	DE1+0.tow	SeLS 6a C & M ZIIII WL 45,T BI+	13	Strain 8MXE28.4P	45.541	3.313	14.333	47.859
TM 78	DE1+0.tow	SeLS 6a C & M ZIIII WL 45,T BI+	14	Strain 116XME25.5P	42.501	1.745	15.171	45.200
TM 78	DE1+0.tow	SeLS 6a C & M ZIIII WL 90,T BI+	15	Strain 113XME15.4P	47.171	2.783	14.581	49.452
TM 78	DE1+0.tow	SeLS 6a C & M ZIIII WL 90,T BI+	BL	Strain 116XME31.3P	10.982	0.724	1.655	11.129
TM 78	DE1+0.tow	SeLS 6a C & M ZIIII WL 90,T BI+	13	Strain 8MXE28.4P	45.340	2.277	14.319	47.602
TM 78	DE1+0.tow	SeLS 6a C & M ZIIII WL 90,T BI+	14	Strain 116XME25.5P	42.558	1.756	15.169	45.215
TM 78	DE1+0.tow	SeLS 6a C & M ZIIII WL 90,T BI+	15	Strain 113XME15.4P	47.149	2.781	14.585	49.432
TM 78	DE1+0.tow	SeLS 6a C & M ZIIII WF 0,T BI-	BL	Strain 116XME31.3P	11.316	0.286	1.647	11.439
TM 78	DE1+0.tow	SeLS 6a C & M ZIIII WF 0,T BI-	13	Strain 8MXE28.4P	46.087	0.323	14.302	48.256
TM 78	DE1+0.tow	SeLS 6a C & M ZIIII WF 0,T BI-	14	Strain 116XME25.5P	43.156	-0.043	15.166	45.743
TM 78	DE1+0.tow	SeLS 6a C & M ZIIII WF 0,T BI-	15	Strain 113XME15.4P	47.109	1.084	14.571	49.533
TM 78	DE1+0.tow	SeLS 6a C & M ZIIII WF 45,T BI-	BL	Strain 116XME31.3P	11.067	0.937	1.657	11.563
TM 78	DE1+0.tow	SeLS 6a C & M ZIIII WF -45,T BI-	13	Strain 8MXE28.4P	45.462	1.167	14.332	47.873
TM 78	DE1+0.tow	SeLS 6a C & M ZIIII WF -45,T BI-	14	Strain 116XME25.5P	42.764	0.744	15.174	45.382
TM 78	DE1+0.tow	SeLS 6a C & M ZIIII WF -45,T BI-	15	Strain 113XME15.4P	47.429	1.806	14.594	49.656
TM 78	DE1+0.tow	SeLS 6a C & M ZIIII WF 45,T BI-	BL	Strain 116XME31.3P	11.027	0.523	1.648	11.162
TM 78	DE1+0.tow	SeLS 6a C & M ZIIII WF 45,T BI-	13	Strain 8MXE28.4P	45.454	1.244	14.294	47.665
TM 78	DE1+0.tow	SeLS 6a C & M ZIIII WF 45,T BI-	14	Strain 116XME25.5P	42.710	0.794	15.161	45.328
TM 78	DE1+0.tow	SeLS 6a C & M ZIIII WF 45,T BI-	15	Strain 113XME15.4P	47.266	1.896	14.568	49.496
TM 68	DE1+0 mast 68.tow	10°C,T Global	BL	Strain 116XME31.3P	11.337	-0.424	1.258	11.414
TM 68	DE1+0 mast 68.tow	10°C,T Global	13	Strain 8MXE28.4P	45.953	-0.951	12.578	47.552
TM 68	DE1+0 mast 68.tow	10°C,T Global	14	Strain 116XME25.5P	39.472	-0.413	13.620	41.758
TM 68	DE1+0 mast 68.tow	10°C,T Global	15	Strain 113XME15.4P	51.057	-1.576	12.775	52.655
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	BL	Strain 116XME31.3P	26.755	-4.862	0.953	27.210
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	13	Strain 8MXE28.4P	82.474	-15.945	14.059	85.169
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	14	Strain 116XME25.5P	67.290	-13.818	15.986	70.530
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	15	Strain 113XME15.4P	85.875	-15.304	14.581	88.439
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	BL	Strain 116XME31.3P	26.999	2.851	0.938	27.166
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	13	Strain 8MXE28.4P	82.474	-15.945	14.059	85.169
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	14	Strain 116XME25.5P	67.290	-13.818	15.986	70.530
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	15	Strain 113XME15.4P	85.875	-15.304	14.581	88.439
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	BL	Strain 116XME31.3P	26.999	2.851	0.938	27.166
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	13	Strain 8MXE28.4P	82.474	-15.945	14.059	85.169
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	14	Strain 116XME25.5P	67.290	-13.818	15.986	70.530
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	15	Strain 113XME15.4P	85.875	-15.304	14.581	88.439
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	BL	Strain 116XME31.3P	26.755	-4.862	0.953	27.210
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	13	Strain 8MXE28.4P	82.474	-15.945	14.059	85.169
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	14	Strain 116XME25.5P	67.290	-13.818	15.986	70.530
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	15	Strain 113XME15.4P	85.875	-15.304	14.581	88.439
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	BL	Strain 116XME31.3P	17.642	-2.398	1.417	17.861
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	13	Strain 8MXE28.4P	62.212	-9.612	15.082	64.591
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	14	Strain 116XME25.5P	62.212	-9.612	15.082	64.591
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	15	Strain 113XME15.4P	62.212	-9.612	15.082	64.591
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	BL	Strain 116XME31.3P	13.471	-0.480	1.5326	13.566
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	13	Strain 8MXE28.4P	53.468	-1.039	15.209	55.598
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	14	Strain 116XME25.5P	45.989	-0.428	16.404	48.744
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	15	Strain 113XME15.4P	60.010	-1.786	15.411	61.983
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	BL	Strain 116XME31.3P	18.381	-2.836	1.213	18.835
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	13	Strain 8MXE28.4P	62.408	-9.473	14.575	64.784
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	14	Strain 116XME25.5P	52.154	-7.951	16.137	55.175
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	15	Strain 113XME15.4P	62.154	-7.951	16.137	55.175
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	BL	Strain 116XME31.3P	13.331	-0.513	1.510	14.126
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	13	Strain 8MXE28.4P	53.432	-1.172	15.140	55.548
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	14	Strain 116XME25.5P	46.083	-0.534	16.366	48.906
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	15	Strain 113XME15.4P	60.008	-1.919	15.358	61.971
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	BL	Strain 116XME31.3P	26.999	2.851	0.938	27.166
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	13	Strain 8MXE28.4P	82.430	12.526	14.029	84.838
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	14	Strain 116XME25.5P	67.471	12.409	15.974	70.438
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	15	Strain 113XME15.4P	86.370	9.987	14.553	88.155
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	BL	Strain 116XME31.3P	60.983	6.073	14.665	62.337
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	13	Strain 8MXE28.4P	51.085	6.332	16.158	53.952
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	14	Strain 116XME25.5P	65.798	4.390	15.026	67.635
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	15	Strain 113XME15.4P	19.392	1.416	1.349	19.491
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	BL	Strain 116XME31.3P	64.712	6.849	14.993	66.778
TM 68	DE1+0 mast 68.tow	ULS 15Yr la W ZIIII WLB,T NI+	13	Strain 8MXE28.4P	53.070	6.886	16.384	55.968



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Strain	8xN2x25_4P	36.349	0.120	12.567	48.031
Strain	116xN2x25_4P	49.712	0.566	13.991	48.031
Strain	113xN15_4P	51.821	-0.626	12.776	53.376
Strain	116xN2x31_3P	14.041	-0.959	0.860	14.100
Strain	8xN2x28_4P	39.026	-1.754	11.306	40.668
Strain	116xN2x28_4P	50.150	-0.860	11.306	40.668
Strain	116xN2x15_4P	49.712	0.566	13.991	48.031
Strain	116xN2x31_3P	69.535	-0.681	11.750	64.539
Strain	116xN2x31_3P	29.111	-4.916	0.623	29.530
Strain	8xN2x28_4P	48.430	-12.441	13.003	69.940
Strain	116xN2x25_5P	47.840	-14.161	14.877	52.041
Strain	116xN2x15_4P	49.364	-15.928	13.003	101.453
Strain	116xN2x31_3P	99.364	-0.928	0.611	29.488
Strain	8xN2x28_4P	67.857	8.395	12.979	69.595
Strain	116xN2x28_4P	68.116	9.100	12.979	69.595
Strain	116xN2x25_5P	109.125	4.330	12.985	31.054
Strain	116xN2x31_3P	29.111	-4.916	0.623	29.530
Strain	116xN2x31_3P	69.181	-14.465	13.003	69.940
Strain	8xN2x28_4P	47.840	-12.441	14.877	52.041
Strain	116xN2x25_5P	48.430	-14.161	13.003	101.453
Strain	116xN2x15_4P	49.364	-15.928	13.003	101.453
Strain	116xN2x31_3P	99.364	-0.928	0.611	29.488
Strain	8xN2x28_4P	67.857	8.395	12.979	69.595
Strain	116xN2x28_4P	68.116	9.100	12.979	69.595
Strain	116xN2x25_5P	109.125	4.330	12.985	31.054
Strain	116xN2x31_3P	29.111	-4.916	0.623	29.530
Strain	116xN2x31_3P	69.181	-14.465	13.003	69.940
Strain	8xN2x28_4P	47.840	-12.441	14.877	52.041
Strain	116xN2x25_5P	48.430	-14.161	13.003	101.453
Strain	116xN2x15_4P	49.364	-15.928	13.003	101.453
Strain	116xN2x31_3P	99.364	-0.928	0.611	29.488
Strain	8xN2x28_4P	67.857	8.395	12.979	69.595
Strain	116xN2x28_4P	68.116	9.100	12.979	69.595
Strain	116xN2x25_5P	109.125	4.330	12.985	31.054
Strain	116xN2x31_3P	29.111	-4.916	0.623	29.530
Strain	116xN2x31_3P	69.181	-14.465	13.003	69.940
Strain	8xN2x28_4P	47.840	-12.441	14.877	52.041
Strain	116xN2x25_5P	48.430	-14.161	13.003	101.453
Strain	116xN2x15_4P	49.364	-15.928	13.003	101.453
Strain	116xN2x31_3P	99.364	-0.928	0.611	29.488
Strain	8xN2x28_4P	67.857	8.395	12.979	69.595
Strain	116xN2x28_4P	68.116	9.100	12.979	69.595
Strain	116xN2x25_5P	109.125	4.330	12.985	31.054
Strain	116xN2x31_3P	29.111	-4.916	0.623	29.530
Strain	116xN2x31_3P	69.181	-14.465	13.003	69.940
Strain	8xN2x28_4P	47.840	-12.441	14.877	52.041
Strain	116xN2x25_5P	48.430	-14.161	13.003	101.453
Strain	116xN2x15_4P	49.364	-15.928	13.003	101.453
Strain	116xN2x31_3P	99.364	-0.928	0.611	29.488
Strain	8xN2x28_4P	67.857	8.395	12.979	69.595
Strain	116xN2x28_4P	68.116	9.100	12.979	69.595
Strain	116xN2x25_5P	109.125	4.330	12.985	31.054
Strain	116xN2x31_3P	29.111	-4.916	0.623	29.530
Strain	116xN2x31_3P	69.181	-14.465	13.003	69.940
Strain	8xN2x28_4P	47.840	-12.441	14.877	52.041
Strain	116xN2x25_5P	48.430	-14.161	13.003	101.453
Strain	116xN2x15_4P	49.364	-15.928	13.003	101.453
Strain	116xN2x31_3P	99.364	-0.928	0.611	29.488
Strain	8xN2x28_4P	67.857	8.395	12.979	69.595
Strain	116xN2x28_4P	68.116	9.100	12.979	69.595
Strain	116xN2x25_5P	109.125	4.330	12.985	31.054
Strain	116xN2x31_3P	29.111	-4.916	0.623	29.530
Strain	116xN2x31_3P	69.181	-14.465	13.003	69.940
Strain	8xN2x28_4P	47.840	-12.441	14.877	52.041
Strain	116xN2x25_5P	48.430	-14.161	13.003	101.453
Strain	116xN2x15_4P	49.364	-15.928	13.003	101.453
Strain	116xN2x31_3P	99.364	-0.928	0.611	29.488
Strain	8xN2x28_4P	67.857	8.395	12.979	69.595
Strain	116xN2x28_4P	68.116	9.100	12.979	69.595
Strain	116xN2x25_5P	109.125	4.330	12.985	31.054
Strain	116xN2x31_3P	29.111	-4.916	0.623	29.530
Strain	116xN2x31_3P	69.181	-14.465	13.003	69.940
Strain	8xN2x28_4P	47.840	-12.441	14.877	52.041
Strain	116xN2x25_5P	48.430	-14.161	13.003	101.453
Strain	116xN2x15_4P	49.364	-15.928	13.003	101.453
Strain	116xN2x31_3P	99.364	-0.928	0.611	29.488
Strain	8xN2x28_4P	67.857	8.395	12.979	69.595
Strain	116xN2x28_4P	68.116	9.100	12.979	69.595
Strain	116xN2x25_5P	109.125	4.330	12.985	31.054
Strain	116xN2x31_3P	29.111	-4.916	0.623	29.530
Strain	116xN2x31_3P	69.181	-14.465	13.003	69.940
Strain	8xN2x28_4P	47.840	-12.441	14.877	52.041
Strain	116xN2x25_5P	48.430	-14.161	13.003	101.453
Strain	116xN2x15_4P	49.364	-15.928	13.003	101.453
Strain	116xN2x31_3P	99.364	-0.928	0.611	29.488
Strain	8xN2x28_4P	67.857	8.395	12.979	69.595
Strain	116xN2x28_4P	68.116	9.100	12.979	69.595
Strain	116xN2x25_5P	109.125	4.330	12.985	31.054
Strain	116xN2x31_3P	29.111	-4.916	0.623	29.530
Strain	116xN2x31_3P	69.181	-14.465	13.003	69.940
Strain	8xN2x28_4P	47.840	-12.441	14.877	52.041
Strain	116xN2x25_5P	48.430	-14.161	13.003	101.453
Strain	116xN2x15_4P	49.364	-15.928	13.003	101.453
Strain	116xN2x31_3P	99.364	-0.928	0.611	29.488
Strain	8xN2x28_4P	67.857	8.395	12.979	69.595
Strain	116xN2x28_4P	68.116	9.100	12.979	69.595
Strain	116xN2x25_5P	109.125	4.330	12.985	31.054
Strain	116xN2x31_3P	29.111	-4.916	0.623	29.530
Strain	116xN2x31_3P	69.181	-14.465	13.003	69.940
Strain	8xN2x28_4P	47.840	-12.441	14.877	52.041
Strain	116xN2x25_5P	48.430	-14.161	13.003	101.453
Strain	116xN2x15_4P	49.364	-15.928	13.003	101.453
Strain	116xN2x31_3P	99.364	-0.928	0.611	29.488
Strain	8xN2x28_4P	67.857	8.395	12.979	69.595
Strain	116xN2x28_4P	68.116	9.100	12.979	69.595
Strain	116xN2x25_5P	109.125	4.330	12.985	31.054
Strain	116xN2x31_3P	29.111	-4.916	0.623	29.530
Strain	116xN2x31_3P	69.181	-14.465	13.003	69.940
Strain	8xN2x28_4P	47.840	-12.441	14.877	52.041
Strain	116xN2x25_5P	48.430	-14.161	13.003	101.453
Strain	116xN2x15_4P	49.364	-15.928	13.003	101.453
Strain	116xN2x31_3P	99.364	-0.928	0.611	29.488
Strain	8xN2x28_4P	67.857	8.395	12.979	69.595
Strain	116xN2x28_4P	68.116	9.100	12.979	69.595
Strain	116xN2x25_5P	109.125	4.330	12.985	31.054
Strain	116xN2x31_3P	29.111	-4.916	0.623	29.530
Strain	116xN2x31_3P	69.181	-14.465	13.003	69.940
Strain	8xN2x28_4P	47.840	-12.441	14.877	52.041
Strain	116xN2x25_5P	48.430	-14.161	13.003	101.453
Strain	116xN2x15_4P	49.364	-15.928	13.003	101.453
Strain	116xN2x31_3P	99.364	-0.928	0.611	29.488
Strain	8xN2x28_4P	67.857	8.395	12.979	69.595
Strain	116xN2x28_4P	68.116	9.100	12.979	69.595
Strain	116xN2x25_5P	109.125	4.330	12.985	31.054
Strain	116xN2x31_3P	29.111	-4.916	0.623	29.530
Strain	116xN2x31_3P	69.181	-14.465	13.003	69.940
Strain	8xN2x28_4P	47.840	-12.441	14.877	52.041
Strain	116xN2x25_5P	48.430	-14.161	13.003	101.453
Strain	116xN2x15_4P	49.364	-15.928	13.003	101.453
Strain	116xN2x31_3P	99.364	-0.928	0.611	29.488
Strain	8xN2x28_4P	67.857	8.395	12.979	69.595
Strain	116xN2x28_4P	68.116	9.100	12.979	69.595
Strain	116xN2x25_5P	109.125	4.330	12.985	31.054
Strain	116xN2x31_3P	29.111	-4.916	0.623	29.530
Strain	116xN2x31_3P	69.181	-14.465	13.003	69.940
Strain	8xN2x28_4P	47.840	-12.441	14.877	52.041
Strain	116xN2x25_5P	48.430	-14.161	13.003	101.453
Strain	116xN2x15_4P	49.364	-15.928	13.003	101.453
Strain	116xN2x31_3P	99.364	-0.928	0.611	29.488
Strain	8xN2x28_4P	67.857	8.395	12.979	69.595
Strain	116xN2x28_4P	68.116	9.100	12.979	69.595
Strain	116xN2x25_5P	109.125	4.330	12.985	31.054
Strain	116xN2x31_3P	29.111	-4.916	0.623	29.530
Strain	116xN2x31_3P	69.181	-14.465	13.003	69.940
Strain	8xN2x28_4P	47.840	-12.441	14.877	52.041
Strain	116xN2x25_5P	48.430	-14.161	13.003	101.453
Strain	116xN2x15_4P	49.364	-15.928	13.003	101.453
Strain	116xN2x31_3P	99.364	-0.928	0.611	29.488
Strain	8xN2x28_4P	67.857	8.395	12.979	69.595
Strain	116xN2x28_4P	68.116	9.100	12.979	69.595
Strain	116xN2x25_5P	109.125	4.330	12.985	31.054
Strain	116xN2x31_3P	29.111	-4.916	0.623	29.530
Strain	116xN2x31_3P	69.181	-14.465	13.003	69.940
Strain	8xN2x28_4P	47.840	-12.441	14.877	52.041
Strain	116xN2x25_5P	48.430	-14.161	13.003	101.453
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Strain	116xN2x31_3P	29.111	-4.916	0.623	29.530
Strain	116xN2x31_3P	69.181	-14.465	13.003	69.940
Strain	8xN2x28_4P	47.840	-12.441	14.877	52.041
Strain	116xN2x25_5P	48.430	-14.161	13.003	101.453
Strain	116xN2x15_4P	49.364	-15.928	13.003	101.453
Strain	116xN2x31_3P	99.364	-0.928	0.611	29.488
Strain	8xN2x28_4P	67.857	8.395	12.979	69.595
Strain	116xN2x28_4P	68.116	9.100	12.979	69.595
Strain	116xN2x25_5P	109.125	4.330	12.985	31.054
Strain	116xN2x31_3P	29.111	-4.916	0.623	29.530
Strain	116xN2x31_3P	69.181	-14.465	13.003	69.940
Strain	8xN2x28_4P	47.840	-12.441	14.877	52.041
Strain	116xN2x25_5P	48.430	-14.161	13.003	101.453
Strain	116xN2x15_4P	49.364	-15.928	13.003	101.453
Strain	116xN				



Strain 11x2xM1.5, 3p	77.130	-11.679	16.566	115.111
Strain 11x2xM1.5, 4p	77.134	-12.621	1.901	27.319
Strain 8x2xM8, 4p	69.680	-6.019	16.961	71.993
Strain 11x2xM2.5, 5p	51.929	-4.370	18.781	55.313
Strain 11x2xM1.5, 4p	110.172	-8.880	16.673	111.780
Strain 11x2xM1.5, 3p	26.256	-1.782	1.909	46.348
Strain 11x2xM2.5, 5p	50.909	-6.136	16.753	54.314
Strain 11x2xM1.5, 4p	109.133	-6.327	16.652	110.577
Strain 11x2xM1.5, 3p	27.277	-2.871	1.738	27.403
Strain 8x2xM8, 4p	69.333	-6.428	16.653	71.605
Strain 11x2xM2.5, 5p	52.045	-4.658	18.718	55.504
Strain 11x2xM1.5, 4p	110.188	-9.376	16.572	111.821
Strain 11x2xM1.5, 3p	26.100	-1.796	1.802	46.293
Strain 11x2xM2.5, 5p	51.042	-6.063	16.703	54.299
Strain 11x2xM1.5, 4p	109.121	-6.356	16.630	110.565
Strain 11x2xM1.5, 3p	30.077	-0.291	1.676	30.125
Strain 8x2xM8, 4p	74.435	2.480	16.637	76.312
Strain 11x2xM2.5, 5p	55.232	3.593	18.736	58.415
Strain 11x2xM1.5, 4p	113.761	-1.516	16.555	114.969
Strain 11x2xM1.5, 3p	26.859	-1.066	1.756	46.917
Strain 11x2xM2.5, 5p	50.969	-6.054	16.703	54.299
Strain 11x2xM1.5, 4p	109.099	-3.909	16.581	111.222
Strain 11x2xM1.5, 3p	27.787	-0.892	1.783	27.869
Strain 8x2xM8, 4p	70.481	0.160	16.844	72.676
Strain 11x2xM2.5, 5p	52.339	1.334	18.772	55.620
Strain 11x2xM1.5, 4p	110.943	-3.473	16.663	112.241
Strain 11x2xM1.5, 3p	20.483	-1.989	0.713	40.599
Strain 11x2xM2.5, 5p	47.623	-4.446	13.355	48.722
Strain 11x2xM1.5, 4p	86.159	-7.033	13.254	87.456
Strain 11x2xM1.5, 3p	20.541	-0.813	0.908	20.578
Strain 8x2xM8, 4p	47.751	0.160	13.360	49.640
Strain 11x2xM2.5, 5p	34.941	0.107	14.910	38.002
Strain 11x2xM1.5, 4p	86.287	-2.988	13.251	87.360
Strain 11x2xM1.5, 3p	20.493	-1.951	0.709	40.599
Strain 11x2xM2.5, 5p	47.629	-4.446	13.365	48.722
Strain 11x2xM1.5, 4p	86.159	-7.033	13.254	87.456
Strain 11x2xM1.5, 3p	20.541	-0.813	0.908	20.578
Strain 8x2xM8, 4p	47.751	0.160	13.360	49.640
Strain 11x2xM2.5, 5p	34.941	0.107	14.910	38.002
Strain 11x2xM1.5, 4p	86.287	-2.988	13.251	87.360
Strain 11x2xM1.5, 3p	20.483	-1.989	0.713	40.599
Strain 11x2xM2.5, 5p	47.623	-4.446	13.365	48.722
Strain 11x2xM1.5, 4p	86.159	-7.033	13.254	87.456
Strain 11x2xM1.5, 3p	19.807	-1.610	0.943	19.865
Strain 8x2xM8, 4p	46.778	-3.307	13.620	48.833
Strain 11x2xM2.5, 5p	34.289	-2.229	14.923	37.462
Strain 11x2xM1.5, 4p	85.148	-5.392	13.290	86.387
Strain 11x2xM1.5, 3p	19.566	-1.934	0.943	19.634
Strain 11x2xM2.5, 5p	46.353	-2.079	13.665	48.353
Strain 11x2xM1.5, 4p	84.745	-5.193	13.268	85.921
Strain 11x2xM1.5, 3p	19.771	-1.688	0.924	19.855
Strain 8x2xM8, 4p	46.575	-3.450	13.562	48.632
Strain 11x2xM2.5, 5p	34.316	-2.328	14.901	37.484
Strain 11x2xM1.5, 4p	85.050	-6.157	13.257	86.297
Strain 11x2xM1.5, 3p	19.590	-1.338	0.945	19.608
Strain 11x2xM2.5, 5p	46.397	-2.089	13.595	48.393
Strain 11x2xM1.5, 4p	84.772	-5.193	13.278	85.927
Strain 11x2xM1.5, 3p	20.541	-0.813	0.909	20.578
Strain 8x2xM8, 4p	47.751	0.160	13.360	49.640
Strain 11x2xM2.5, 5p	34.941	0.107	14.910	38.002
Strain 11x2xM1.5, 4p	86.287	-2.988	13.251	87.360
Strain 11x2xM1.5, 3p	20.483	-1.989	0.713	40.599
Strain 11x2xM2.5, 5p	47.623	-4.446	13.365	48.722
Strain 11x2xM1.5, 4p	86.159	-7.033	13.254	87.456
Strain 11x2xM1.5, 3p	19.991	-1.028	0.938	20.029
Strain 8x2xM8, 4p	46.976	-0.754	13.615	48.915



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BP-25-10	DR2-2.tow	Sels 6a C & M ZIII WLB,T NR+	F3_B	Strain	l13vE12.SP	1.621	0.081	0.441	1.681
BP-25-10	DR2-2.tow	Sels 6a C & M ZIII WRB,T NR+	F3_B	Strain	l13vE12.SP	1.610	-0.257	0.441	1.688
BP-25-10	DR2-2.tow	Sels 6a C & M ZIII WLA,T NR+	F3_B	Strain	l13vE12.SP	1.621	0.081	0.441	1.681
BP-25-10	DR2-2.tow	Sels 6a C & M ZIII WPA,T NR+	F3_B	Strain	l13vE12.SP	1.610	-0.257	0.441	1.688
BP-25-10	DR2-2.tow	Sels 6a C & M ZIII WL_0,T BI+	F3_B	Strain	l13vE12.SP	1.621	0.081	0.441	1.681
BP-25-10	DR2-2.tow	Sels 6a C & M ZIII WL_-90,T BI+	F3_B	Strain	l13vE12.SP	1.550	-0.083	0.449	1.611
BP-25-10	DR2-2.tow	Sels 6a C & M ZIII WL_45,T BI+	F3_B	Strain	l13vE12.SP	1.550	-0.083	0.449	1.611
BP-25-10	DR2-2.tow	Sels 6a C & M ZIII WL_90,T BI+	F3_B	Strain	l13vE12.SP	1.649	0.088	0.452	1.709
BP-25-10	DR2-2.tow	Sels 6a C & M ZIII WF_0,T BI+	F3_B	Strain	l13vE12.SP	1.625	-0.032	0.451	1.689
BP-25-10	DR2-2.tow	Sels 6a C & M ZIII WF_0,T BI-	F3_B	Strain	l13vE12.SP	1.610	-0.257	0.441	1.688
BP-25-10	DR2-2.tow	Sels 6a C & M ZIII WR_-45,T BI-	F3_B	Strain	l13vE12.SP	1.643	-0.183	0.452	1.715
BP-25-10	DR2-2.tow	Sels 6a C & M ZIII WR_45,T BI-	F3_B	Strain	l13vE12.SP	1.544	-0.182	0.439	1.616
BP-25-6	DR2-1.tow	10°C,T Global	F3_B	Strain	l13vE12.SP	1.582	-0.203	0.535	1.682
BP-25-6	DR2-1.tow	ULS 15yr la W ZIII WLB,T NR+	F3_B	Strain	l13vE12.SP	2.970	-1.862	0.376	3.076
BP-25-6	DR2-1.tow	ULS 15yr la W ZIII WRB,T NR+	F3_B	Strain	l13vE12.SP	2.970	-1.862	0.376	3.076
BP-25-6	DR2-1.tow	ULS 15yr la W ZIII WLA,T NR+	F3_B	Strain	l13vE12.SP	2.840	-1.827	0.380	3.398
BP-25-6	DR2-1.tow	ULS 15yr la W ZIII WPA,T NR+	F3_B	Strain	l13vE12.SP	3.076	1.068	0.379	3.278
BP-25-6	DR2-1.tow	ULS 15yr la W ZIII WL_0,T BI+	F3_B	Strain	l13vE12.SP	2.840	-1.827	0.380	3.398
BP-25-6	DR2-1.tow	ULS 15yr la W ZIII WL_-45,T BI+	F3_B	Strain	l13vE12.SP	2.491	-1.232	0.634	2.850
BP-25-6	DR2-1.tow	ULS 15yr la W ZIII WL_90,T BI+	F3_B	Strain	l13vE12.SP	2.100	-0.336	0.696	2.238
BP-25-6	DR2-1.tow	ULS 15yr la W ZIII WL_45,T BI+	F3_B	Strain	l13vE12.SP	1.903	-1.026	0.476	2.214
BP-25-6	DR2-1.tow	ULS 15yr la W ZIII WL_90,T BI+	F3_B	Strain	l13vE12.SP	1.614	-0.140	0.594	1.725
BP-25-6	DR2-1.tow	ULS 15yr la W ZIII WRB,T NR+	F3_B	Strain	l13vE12.SP	2.016	0.169	0.376	3.076
BP-25-6	DR2-1.tow	ULS 15yr la W ZIII WL_45,T BI-	F3_B	Strain	l13vE12.SP	2.115	0.476	0.376	3.076
BP-25-6	DR2-1.tow	ULS 15yr la W ZIII WL_90,T BI-	F3_B	Strain	l13vE12.SP	2.616	0.493	0.634	2.734
BP-25-6	DR2-1.tow	ULS 15yr 3 W + I ZIII WLB,T NR+	F3_B	Strain	l13vE12.SP	2.868	-1.030	0.764	3.142
BP-25-6	DR2-1.tow	ULS 15yr 3 W + I ZIII WRB,T NR+	F3_B	Strain	l13vE12.SP	2.995	0.279	0.764	3.103
BP-25-6	DR2-1.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F3_B	Strain	l13vE12.SP	2.868	-1.030	0.764	3.142
BP-25-6	DR2-1.tow	ULS 15yr 3 W + I ZIII WPA,T NR+	F3_B	Strain	l13vE12.SP	2.995	0.279	0.764	3.103
BP-25-6	DR2-1.tow	ULS 15yr 3 W + I ZIII WL_0,T BI+	F3_B	Strain	l13vE12.SP	2.868	-1.030	0.764	3.142
BP-25-6	DR2-1.tow	ULS 15yr 3 W + I ZIII WL_-45,T BI+	F3_B	Strain	l13vE12.SP	2.904	-0.761	0.842	3.118
BP-25-6	DR2-1.tow	ULS 15yr 3 W + I ZIII WL_90,T BI+	F3_B	Strain	l13vE12.SP	2.904	-0.761	0.842	3.118
BP-25-6	DR2-1.tow	ULS 15yr 3 W + I ZIII WRB,T NR+	F3_B	Strain	l13vE12.SP	2.533	-0.600	0.775	2.734
BP-25-6	DR2-1.tow	ULS 15yr 3 W + I ZIII WL_45,T BI-	F3_B	Strain	l13vE12.SP	2.569	-0.390	0.800	2.708
BP-25-6	DR2-1.tow	ULS 15yr 3 W + I ZIII WL_90,T BI-	F3_B	Strain	l13vE12.SP	2.695	0.279	0.764	3.103
BP-25-6	DR2-1.tow	ULS 15yr 3 W + I ZIII WF_0,T BI-	F3_B	Strain	l13vE12.SP	2.603	0.050	0.770	2.715
BP-25-6	DR2-1.tow	ULS 15yr 3 W + I ZIII WR_45,T BI-	F3_B	Strain	l13vE12.SP	2.970	-0.020	0.842	3.087
BP-25-6	DR2-1.tow	ULS 15yr 3 W + I ZIII WR_45,T BI+	F3_B	Strain	l13vE12.SP	1.900	-0.533	0.640	2.074
BP-25-6	DR2-1.tow	ULS 15yr 4 Cold ZIII WLB,T NR+	F3_B	Strain	l13vE12.SP	1.946	0.639	0.639	2.049
BP-25-6	DR2-1.tow	ULS 15yr 4 Cold ZIII WRB,T NR+	F3_B	Strain	l13vE12.SP	1.900	-0.533	0.640	2.074
BP-25-6	DR2-1.tow	ULS 15yr 4 Cold ZIII WLA,T NR+	F3_B	Strain	l13vE12.SP	1.906	0.640	0.640	2.074
BP-25-6	DR2-1.tow	ULS 15yr 4 Cold ZIII WPA,T NR+	F3_B	Strain	l13vE12.SP	1.906	0.640	0.640	2.074
BP-25-6	DR2-1.tow	ULS 15yr 4 Cold ZIII WL_0,T BI+	F3_B	Strain	l13vE12.SP	1.944	-0.430	0.663	2.098
BP-25-6	DR2-1.tow	ULS 15yr 4 Cold ZIII WL_-45,T BI+	F3_B	Strain	l13vE12.SP	1.916	-0.259	0.662	2.043
BP-25-6	DR2-1.tow	ULS 15yr 4 Cold ZIII WL_45,T BI+	F3_B	Strain	l13vE12.SP	1.797	-0.390	0.634	1.945
BP-25-6	DR2-1.tow	ULS 15yr 4 Cold ZIII WL_90,T BI+	F3_B	Strain	l13vE12.SP	1.820	-0.220	0.642	1.943
BP-25-6	DR2-1.tow	ULS 15yr 4 Cold ZIII WF_0,T BI+	F3_B	Strain	l13vE12.SP	1.946	0.041	0.639	2.049
BP-25-6	DR2-1.tow	ULS 15yr 4 Cold ZIII WR_-45,T BI-	F3_B	Strain	l13vE12.SP	1.821	-0.055	0.634	1.829
BP-25-6	DR2-1.tow	ULS 15yr 4 Cold ZIII WR_45,T BI-	F3_B	Strain	l13vE12.SP	1.968	-0.091	0.663	2.079
BP-25-6	DR2-1.tow	ULS 15yr 4 Cold ZIII WR_45,T BI+	F3_B	Strain	l13vE12.SP	1.968	-0.091	0.663	2.079
BP-25-6	DR2-1.tow	ULS 15yr 4 Cold ZIII WL_45,T BI-	F3_B	Strain	l13vE12.SP	1.989	-0.263	0.535	1.682
BP-25-6	DR2-1.tow	ULS 15yr 4 Cold ZIII WL_90,T BI-	F3_B	Strain	l13vE12.SP	1.989	-0.263	0.535	1.682
BP-25-6	DR2-1.tow	ULS 15yr 4 Cold ZIII WL_90,T BI+	F3_B	Strain	l13vE12.SP	1.944	-0.384	0.530	1.724
BP-25-6	DR2-1.tow	Sels 6a C & M ZIII WLB,T NR+	F3_B	Strain	l13vE12.SP	1.623	-0.018	0.530	1.707
BP-25-6	DR2-1.tow	Sels 6a C & M ZIII WLA,T NR+	F3_B	Strain	l13vE12.SP	1.593	-0.384	0.530	1.724
BP-25-6	DR2-1.tow	Sels 6a C & M ZIII WPA,T NR+	F3_B	Strain	l13vE12.SP	1.623	-0.018	0.530	1.707
BP-25-6	DR2-1.tow	Sels 6a C & M ZIII WL_0,T BI+	F3_B	Strain	l13vE12.SP	1.593	-0.384	0.530	1.724
BP-25-6	DR2-1.tow	Sels 6a C & M ZIII WL_-45,T BI+	F3_B	Strain	l13vE12.SP	1.628	-0.327	0.544	1.747
BP-25-6	DR2-1.tow	Sels 6a C & M ZIII WL_90,T BI+	F3_B	Strain	l13vE12.SP	1.613	-0.216	0.542	1.715
BP-25-6	DR2-1.tow	Sels 6a C & M ZIII WRB,T NR+	F3_B	Strain	l13vE12.SP	1.552	-0.190	0.529	1.650
BP-25-6	DR2-1.tow	Sels 6a C & M ZIII WL_45,T BI-	F3_B	Strain	l13vE12.SP	1.623	-0.018	0.530	1.707
BP-25-6	DR2-1.tow	Sels 6a C & M ZIII WF_0,T BI-	F3_B	Strain	l13vE12.SP	1.547	-0.081	0.525	1.636
BP-25-6	DR2-1.tow	Sels 6a C & M ZIII WR_-45,T BI-	F3_B	Strain	l13vE12.SP	1.643	-0.105	0.544	1.734
BP-25-0	DR2-1.tow	10°C,T Global	F3_B	Strain	l13vE12.SP	1.595	-0.001	1.126	1.853
BP-25-0	DR2-1.tow	ULS 15yr la W ZIII WLB,T NR+	F3_B	Strain	l13vE12.SP	2.740	-1.445	1.381	3.392
BP-25-0	DR2-1.tow	ULS 15yr la W ZIII WRB,T NR+	F3_B	Strain	l13vE12.SP	2.742	-1.440	1.381	3.391
BP-25-0	DR2-1.tow	ULS 15yr la W ZIII WLA,T NR+	F3_B	Strain	l13vE12.SP	2.740	-1.440	1.381	3.392
BP-25-0	DR2-1.tow	ULS 15yr la W ZIII WPA,T NR+	F3_B	Strain	l13vE12.SP	2.740	-1.440	1.381	3.392
BP-25-0	DR2-1.tow	ULS 15yr la W ZIII WL_0,T BI+	F3_B	Strain	l13vE12.SP	2.740	-1.445	1.381	3.392
BP-25-0	DR2-1.tow	ULS 15yr la W ZIII WL_-45,T BI+	F3_B	Strain	l13vE12.SP	2.118	-0.848	1.357	2.654
BP-25-0	DR2-1.tow	ULS 15yr la W ZIII WL_90,T BI+	F3_B	Strain	l13vE12.SP	1.979	-0.002	1.384	2.334
BP-25-0	DR2-1.tow	ULS 15yr la W ZIII WL_-90,T BI+	F3_B	Strain	l13vE12.SP	2.196	-0.822	1.352	2.706
BP-25-0	DR2-1.tow	ULS 15yr la W ZIII WL_45,T BI+	F3_B	Strain	l13vE12.SP	1.905	-0.002	1.314	2.315



Strain	133w12.1.sp	2.742	1.440	3.381
Strain	133w12.2.sp	2.195	0.916	1.352
Strain	133w12.3.sp	2.986	1.636	2.704
Strain	133w12.4.sp	2.120	0.846	1.358
Strain	133w12.5.sp	2.904	-0.665	1.836
Strain	133w12.6.sp	2.905	-0.660	1.836
Strain	133w12.7.sp	2.904	-0.665	1.836
Strain	133w12.8.sp	2.904	-0.660	1.836
Strain	133w12.9.sp	2.904	-0.660	1.836
Strain	133w12.10.sp	2.904	-0.660	1.836
Strain	133w12.11.sp	2.746	-0.369	1.359
Strain	133w12.12.sp	2.715	-0.002	1.839
Strain	133w12.13.sp	2.715	-0.002	1.839
Strain	133w12.14.sp	2.788	-0.366	1.834
Strain	133w12.15.sp	2.724	-0.003	1.820
Strain	133w12.16.sp	2.724	-0.003	1.820
Strain	133w12.17.sp	2.905	0.660	1.836
Strain	133w12.18.sp	2.788	0.360	1.834
Strain	133w12.19.sp	2.788	0.360	1.834
Strain	133w12.20.sp	2.788	0.360	1.834
Strain	133w12.21.sp	2.925	1.351	2.371
Strain	133w12.22.sp	2.925	1.351	2.371
Strain	133w12.23.sp	1.926	-0.293	1.351
Strain	133w12.24.sp	1.926	-0.293	1.351
Strain	133w12.25.sp	1.926	-0.293	1.351
Strain	133w12.26.sp	1.926	-0.293	1.351
Strain	133w12.27.sp	1.886	-0.170	1.351
Strain	133w12.28.sp	1.883	-0.002	1.357
Strain	133w12.29.sp	1.883	-0.002	1.357
Strain	133w12.30.sp	1.883	-0.169	1.343
Strain	133w12.31.sp	1.883	-0.169	1.343
Strain	133w12.32.sp	1.926	0.290	1.351
Strain	133w12.33.sp	1.926	0.290	1.351
Strain	133w12.34.sp	1.903	0.165	1.349
Strain	133w12.35.sp	1.887	0.167	1.351
Strain	133w12.36.sp	2.094	-0.002	1.518
Strain	133w12.37.sp	1.595	-0.593	1.001
Strain	133w12.38.sp	1.613	-0.192	1.127
Strain	133w12.39.sp	1.613	-0.192	1.127
Strain	133w12.40.sp	1.613	-0.189	1.127
Strain	133w12.41.sp	1.613	-0.189	1.127
Strain	133w12.42.sp	1.613	-0.192	1.127
Strain	133w12.43.sp	1.613	-0.192	1.127
Strain	133w12.44.sp	1.593	-0.111	1.127
Strain	133w12.45.sp	1.593	-0.111	1.127
Strain	133w12.46.sp	1.603	-0.111	1.125
Strain	133w12.47.sp	1.595	-0.001	1.122
Strain	133w12.48.sp	1.613	-0.189	1.127
Strain	133w12.49.sp	1.613	-0.189	1.127
Strain	133w12.50.sp	1.592	0.109	1.125
Strain	133w12.51.sp	1.592	0.109	1.127
Strain	133w12.52.sp	1.592	0.109	1.127
Strain	133w12.53.sp	1.592	0.109	1.127
Strain	133w12.54.sp	1.592	0.109	1.127
Strain	133w12.55.sp	1.592	0.109	1.127
Strain	133w12.56.sp	1.592	0.109	1.127
Strain	133w12.57.sp	1.592	0.109	1.127
Strain	133w12.58.sp	1.592	0.109	1.127
Strain	133w12.59.sp	1.592	0.109	1.127
Strain	133w12.60.sp	1.592	0.109	1.127
Strain	133w12.61.sp	1.592	0.109	1.127
Strain	133w12.62.sp	1.592	0.109	1.127
Strain	133w12.63.sp	1.592	0.109	1.127
Strain	133w12.64.sp	1.592	0.109	1.127
Strain	133w12.65.sp	1.592	0.109	1.127
Strain	133w12.66.sp	1.592	0.109	1.127
Strain	133w12.67.sp	1.592	0.109	1.127
Strain	133w12.68.sp	1.592	0.109	1.127
Strain	133w12.69.sp	1.592	0.109	1.127
Strain	133w12.70.sp	1.592	0.109	1.127
Strain	133w12.71.sp	1.592	0.109	1.127
Strain	133w12.72.sp	1.592	0.109	1.1

BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WRA,T NR-	F3_A	Strain	82E222.6P	0.246	4.060	1.217	4.246
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WRA,T NR-	GW_B	Strain	8VE38.6P	16.487	0.332	1.521	16.560
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_0,T BI+	F1_B	Strain	116VE38.6P	113.298	13.688	8.566	114.444
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_0,T BI+	F2_B	Strain	116VE31.4P	109.758	12.733	8.596	110.828
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_0,T BI+	F3_B	Strain	113VE15.4P	105.651	11.561	8.631	106.632
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_0,T BI+	F1_A	Strain	82E38.4P	-0.023	2.451	0.887	2.509
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_0,T BI+	F2_A	Strain	82E34.3P	0.185	2.451	1.185	2.509
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_0,T BI+	F3_A	Strain	82E222.6P	0.634	2.924	1.193	3.222
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_0,T BI+	GW_B	Strain	8VE38.6P	29.210	3.522	1.337	29.452
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_45,T BI+	F1_B	Strain	116VE38.6P	112.600	12.058	8.485	113.561
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_45,T BI+	F2_B	Strain	116VE31.4P	109.005	11.218	8.522	109.911
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_45,T BI+	F3_B	Strain	113VE15.4P	104.837	10.187	8.565	105.680
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_45,T BI+	F1_A	Strain	82E38.4P	-0.127	2.400	0.970	2.592
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_45,T BI+	F2_A	Strain	82E28.4P	0.544	2.808	1.217	3.108
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_45,T BI+	F3_A	Strain	82E22.6P	0.367	2.356	1.111	3.027
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_45,T BI+	GW_B	Strain	8VE38.6P	26.487	3.522	1.337	26.729
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_90,T BI+	F1_B	Strain	116VE38.6P	86.630	2.738	8.748	87.113
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_90,T BI+	F2_B	Strain	113VE31.4P	86.451	2.641	8.753	86.933
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_90,T BI+	F3_B	Strain	113VE15.4P	86.265	2.522	8.759	86.745
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_90,T BI+	F1_A	Strain	82E34.3P	-0.456	2.823	1.005	3.031
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_90,T BI+	F2_A	Strain	82E28.4P	0.542	3.283	1.374	3.626
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_90,T BI+	F3_A	Strain	82E22.6P	0.245	4.071	1.217	4.256
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_90,T BI+	GW_B	Strain	8VE38.6P	16.552	0.383	1.518	16.626
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_45,T BI+	F1_B	Strain	116VE31.4P	89.439	8.816	8.816	89.439
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_45,T BI+	F2_B	Strain	116VE31.4P	89.439	8.816	8.816	89.439
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_45,T BI+	F3_B	Strain	113VE15.4P	89.439	8.816	8.816	89.439
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_45,T BI+	F1_A	Strain	82E34.3P	0.260	2.799	0.997	2.982
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_45,T BI+	F2_A	Strain	82E28.4P	0.845	2.395	1.206	2.812
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_45,T BI+	F3_A	Strain	82E22.6P	1.156	2.988	1.182	3.424
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_45,T BI+	GW_B	Strain	8VE38.6P	17.598	0.927	1.542	17.690
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_90,T BI+	F1_B	Strain	116VE38.6P	89.873	0.289	8.810	90.304
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_90,T BI+	F2_B	Strain	116VE31.4P	89.488	0.377	8.810	89.921
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_90,T BI+	F3_B	Strain	113VE15.4P	89.488	0.377	8.810	89.921
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_90,T BI+	F1_A	Strain	82E34.3P	0.260	2.799	0.997	2.982
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_90,T BI+	F2_A	Strain	82E28.4P	0.845	2.395	1.206	2.812
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_90,T BI+	F3_A	Strain	82E22.6P	1.156	2.988	1.182	3.424
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WL_90,T BI+	GW_B	Strain	8VE38.6P	16.801	-0.219	1.549	16.974
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WR_0,T BI-	F1_B	Strain	116VE38.6P	113.732	-9.865	8.582	113.979
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WR_0,T BI-	F2_B	Strain	116VE31.4P	109.727	-9.013	8.611	110.438
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WR_0,T BI-	F3_B	Strain	113VE15.4P	105.665	-7.973	8.643	106.317
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WR_0,T BI-	F1_A	Strain	82E34.3P	-0.077	1.411	0.921	1.887
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WR_0,T BI-	F2_A	Strain	82E28.4P	0.440	1.887	1.068	2.000
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WR_0,T BI-	F3_A	Strain	82E22.6P	0.440	1.887	1.068	2.000
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WR_0,T BI-	GW_B	Strain	8VE38.6P	28.541	-3.251	1.321	28.756
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WR_45,T BI-	F1_B	Strain	116VE38.6P	115.866	-8.176	8.644	116.475
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WR_45,T BI-	F2_B	Strain	116VE31.4P	112.040	-7.458	8.669	112.622
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WR_45,T BI-	F3_B	Strain	113VE15.4P	107.591	-6.579	8.697	108.142
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WR_45,T BI-	F1_A	Strain	82E34.3P	0.002	1.511	0.926	1.772
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WR_45,T BI-	F2_A	Strain	82E28.4P	1.007	2.049	1.305	2.630
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WR_45,T BI-	F3_A	Strain	82E22.6P	1.105	2.285	1.175	2.797
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WR_45,T BI-	GW_B	Strain	8VE38.6P	26.487	3.522	1.337	26.729
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WR_90,T BI-	F1_B	Strain	116VE38.6P	86.630	-1.480	8.749	86.933
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WR_90,T BI-	F2_B	Strain	113VE31.4P	86.451	-1.257	8.753	86.632
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WR_90,T BI-	F3_B	Strain	113VE15.4P	86.233	-0.984	8.758	86.682
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WR_45,T BI-	F1_A	Strain	82E34.3P	-0.389	2.295	0.984	2.527
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WR_45,T BI-	F2_A	Strain	82E28.4P	0.598	2.336	1.294	2.760
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WR_45,T BI-	F3_A	Strain	82E22.6P	0.404	2.766	1.180	3.034
BP-25-4	D81+0 Right.tow	ULS 15Yr la W ZIII WR_45,T BI-	GW_B	Strain	8VE38.6P	17.314	-0.757	1.499	17.395
BP-25-4	D81+0 Right.tow	ULS 15Yr 3 W + I ZIII WRB,T NI+	F1_B	Strain	116VE38.6P	127.081	2.930	12.889	127.768
BP-25-4	D81+0 Right.tow	ULS 15Yr 3 W + I ZIII WRB,T NI+	F2_B	Strain	116VE31.4P	127.081	2.930	12.889	127.768
BP-25-4	D81+0 Right.tow	ULS 15Yr 3 W + I ZIII WRB,T NI+	F3_B	Strain	113VE15.4P	127.022	2.801	12.904	127.709
BP-25-4	D81+0 Right.tow	ULS 15Yr 3 W + I ZIII WRB,T NI+	F1_A	Strain	82E34.3P	-0.301	2.910	1.256	3.184
BP-25-4	D81+0 Right.tow	ULS 15Yr 3 W + I ZIII WRB,T NI+	F2_A	Strain	82E28.4P	0.829	3.312	1.641	3.788
BP-25-4	D81+0 Right.tow	ULS 15Yr 3 W + I ZIII WRB,T NI+	F3_A	Strain	82E22.6P	0.577	3.864	1.561	4.207
BP-25-4	D81+0 Right.tow	ULS 15Yr 3 W + I ZIII WRB,T NI+	GW_B	Strain	8VE38.6P	27.189	0.346	2.591	27.315
BP-25-4	D81+0 Right.tow	ULS 15Yr 3 W + I ZIII WRB,T NI+	F1_B	Strain	116VE38.6P	128.161	1.447	12.943	128.821
BP-25-4	D81+0 Right.tow	ULS 15Yr 3 W + I ZIII WRB,T NI+	F2_B	Strain	116VE31.4P	128.065	1.503	12.941	128.726
BP-25-4	D81+0 Right.tow	ULS 15Yr 3 W + I ZIII WRB,T NI+	F3_B	Strain	113VE15.4P	127.955	1.571	12.940	128.617
BP-25-4	D81+0 Right.tow	ULS 15Yr 3 W + I ZIII WRB,T NI+	F1_A	Strain	82E34.3P	0.016	3.069	1.140	3.291
BP-25-4	D81+0 Right.tow	ULS 15Yr 3 W + I ZIII WRB,T NI+	F2_A	Strain	82E28.4P	1.331	3.069	1.640	3.911
BP-25-4	D81+0 Right.tow	ULS 15Yr 3 W + I ZIII WRB,T NI+	F3_A	Strain	82E22.6P	1.393	3.549	1.562	4.120
BP-25-4	D81+0 Right.tow	ULS 15Yr 3 W + I ZIII WRB,T NI+	GW_B	Strain	8VE38.6P	27.353	-0.079	2.611	27.478
BP-25-4	D81+0 Right.tow	ULS 15Yr 3 W + I ZIII WUA,T NR+	F1_B	Strain	116VE38.6P	128.016	1.650	12.940	128.678
BP-25-4	D81+0 Right.tow	ULS 15Yr 3 W + I ZIII WUA,T NR+	F2_B	Strain	116VE31.4P	127.941	1.690	12.939	128.604
BP-25-4	D81+0 Right.tow	ULS 15Yr 3 W + I ZIII WUA,T NR+	F3_B	Strain	113VE15.4P	127.855	1.739	12.937	128.520

BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F1_A	Strain	8E2E34.3P	0.144	2.839	1.249	3.105
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F2_A	Strain	8E2E28.4P	1.228	3.069	1.638	3.689
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F3_A	Strain	8E2E22.6P	1.233	3.586	1.561	4.126
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	GW_B	Strain	8E2E38.6P	-0.017	2.610	27.432	127.672
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F1_B	Strain	116E38.6P	126.989	2.723	12.904	127.672
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F2_B	Strain	116E31.4P	126.989	2.723	12.904	127.672
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F3_B	Strain	116E15.4P	126.989	2.723	12.904	127.672
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	GW_B	Strain	8E2E34.3P	-0.309	2.912	1.256	3.186
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F1_A	Strain	8E2E28.4P	0.831	3.309	1.643	3.787
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F2_A	Strain	8E2E22.6P	0.577	3.860	1.562	4.204
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	GW_B	Strain	8E2E38.6P	132.967	2.874	12.874	133.865
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F1_B	Strain	116E38.6P	132.967	2.874	12.874	133.865
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F2_B	Strain	116E31.4P	132.967	2.874	12.874	133.865
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F3_B	Strain	116E15.4P	132.967	2.874	12.874	133.865
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	GW_B	Strain	8E2E34.3P	-0.123	2.854	1.249	3.117
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F1_A	Strain	8E2E28.4P	0.856	3.170	1.594	3.650
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F2_A	Strain	8E2E22.6P	0.723	3.668	1.541	4.097
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	GW_B	Strain	8E2E38.6P	127.031	2.823	12.901	127.716
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F1_B	Strain	116E38.6P	127.031	2.823	12.901	127.716
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F2_B	Strain	116E31.4P	127.031	2.823	12.901	127.716
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F3_B	Strain	116E15.4P	127.031	2.823	12.901	127.716
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	GW_B	Strain	8E2E34.3P	-0.305	2.911	1.256	3.185
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F1_A	Strain	8E2E28.4P	0.830	3.311	1.642	3.787
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F2_A	Strain	8E2E22.6P	0.577	3.862	1.561	4.206
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	GW_B	Strain	8E2E38.6P	127.179	0.314	2.592	27.304
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F1_B	Strain	116E38.6P	127.179	0.314	2.592	27.304
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F2_B	Strain	116E31.4P	127.179	0.314	2.592	27.304
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F3_B	Strain	116E15.4P	127.179	0.314	2.592	27.304
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	GW_B	Strain	8E2E34.3P	-0.114	2.921	1.255	3.182
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F1_A	Strain	8E2E28.4P	0.148	3.020	1.592	3.571
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F2_A	Strain	8E2E22.6P	1.140	3.505	1.550	3.999
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	GW_B	Strain	8E2E38.6P	127.481	0.640	2.612	27.613
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F1_B	Strain	116E38.6P	127.481	0.640	2.612	27.613
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F2_B	Strain	116E31.4P	127.481	0.640	2.612	27.613
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F3_B	Strain	116E15.4P	127.481	0.640	2.612	27.613
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	GW_B	Strain	8E2E34.3P	-0.097	2.549	1.232	2.833
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F1_A	Strain	8E2E28.4P	0.132	3.020	1.542	3.729
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F2_A	Strain	8E2E22.6P	0.012	3.270	1.542	3.729
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	GW_B	Strain	8E2E38.6P	30.722	-1.890	2.538	30.685
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F1_B	Strain	116E38.6P	30.722	-1.890	2.538	30.685
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F2_B	Strain	116E31.4P	30.722	-1.890	2.538	30.685
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F3_B	Strain	116E15.4P	30.722	-1.890	2.538	30.685
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	GW_B	Strain	8E2E34.3P	-0.273	2.745	1.244	3.026
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F1_A	Strain	8E2E28.4P	0.922	3.077	1.636	3.605
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F2_A	Strain	8E2E22.6P	0.522	3.513	1.556	3.511
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	GW_B	Strain	8E2E38.6P	27.361	-0.372	2.585	27.486
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F1_B	Strain	116E38.6P	27.361	-0.372	2.585	27.486
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F2_B	Strain	116E31.4P	27.361	-0.372	2.585	27.486
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F3_B	Strain	116E15.4P	27.361	-0.372	2.585	27.486
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	GW_B	Strain	8E2E34.3P	-0.129	1.954	0.950	2.177
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F1_A	Strain	8E2E28.4P	0.625	2.207	1.210	2.594
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F2_A	Strain	8E2E22.6P	0.509	2.522	1.167	2.852
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	GW_B	Strain	8E2E38.6P	19.039	0.166	1.490	19.097
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F1_B	Strain	116E38.6P	19.039	0.166	1.490	19.097
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F2_B	Strain	116E31.4P	19.039	0.166	1.490	19.097
BP-25-4	D81+0 Right.tow	ULS 15yr 3 W + I ZIII WLA,T NR+	F3_B	Strain	116E15.4P	19.039	0.166	1.490	19.097

BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WRB,T NI-	F2_B	Strain	116VE31.4P	102.126	1.489	8.671	102.504
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WRB,T NI-	F3_B	Strain	113VE15.4P	102.084	1.515	8.670	102.463
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WRB,T NI-	F1_A	Strain	8ZE234.3P	0.019	1.883	0.946	2.117
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WRB,T NI-	F2_A	Strain	8ZE228.4P	0.761	2.088	1.210	2.531
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WRB,T NI-	F3_A	Strain	8ZE222.6P	0.808	2.406	1.167	2.794
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WRB,T NI-	GW_B	Strain	116VE38.6P	19.078	0.808	8.670	15.499
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WRB,T NI-	F2_B	Strain	116VE31.4P	102.031	1.954	8.670	102.472
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WUA,T NR+	F2_B	Strain	116VE31.4P	102.093	1.950	8.670	102.472
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WUA,T NR+	F3_B	Strain	113VE15.4P	102.058	1.979	8.669	102.438
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WUA,T NR+	F1_A	Strain	8ZE234.3P	0.022	1.901	0.946	2.124
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WUA,T NR+	F2_A	Strain	8ZE228.4P	0.760	2.080	1.209	2.532
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WUA,T NR+	F3_A	Strain	8ZE222.6P	0.809	2.411	1.167	2.798
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WUA,T NR+	GW_B	Strain	8VE38.6P	19.078	0.043	1.497	19.137
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WUA,T NR+	F1_B	Strain	116VE38.6P	101.461	1.963	8.659	101.849
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WUA,T NR+	F2_B	Strain	116VE31.4P	101.480	1.947	8.660	101.827
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WUA,T NR+	F3_B	Strain	113VE15.4P	101.463	1.997	8.660	101.827
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WUA,T NR+	F1_A	Strain	8ZE234.3P	-0.132	1.951	0.950	2.174
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WPA,T NR-	F2_A	Strain	8ZE228.4P	0.827	2.205	1.211	2.592
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WPA,T NR-	F3_A	Strain	8ZE222.6P	0.509	2.548	1.167	2.849
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WPA,T NR-	GW_B	Strain	8VE38.6P	19.035	0.145	1.491	19.094
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_0,T BI+	F1_B	Strain	116VE38.6P	102.987	4.145	8.653	103.433
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_0,T BI+	F2_B	Strain	116VE31.4P	102.786	3.960	8.655	103.226
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_0,T BI+	F3_B	Strain	113VE15.4P	102.766	3.733	8.657	102.998
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_0,T BI+	F1_A	Strain	8ZE234.3P	-0.077	2.193	0.947	2.187
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_0,T BI+	F2_A	Strain	8ZE228.4P	0.647	2.193	1.159	2.572
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_0,T BI+	F3_A	Strain	8ZE222.6P	0.640	2.519	1.170	2.850
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_0,T BI+	GW_B	Strain	8VE38.6P	19.881	0.780	1.483	19.951
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_45,T BI+	F1_B	Strain	116VE38.6P	102.768	3.813	8.637	103.200
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_45,T BI+	F2_B	Strain	116VE31.4P	102.568	3.652	8.640	102.996
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_45,T BI+	F3_B	Strain	113VE15.4P	102.354	3.457	8.644	102.776
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_45,T BI+	F1_A	Strain	8ZE234.3P	0.068	1.979	0.950	2.196
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_45,T BI+	F2_A	Strain	8ZE228.4P	0.635	2.192	1.196	2.577
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_45,T BI+	F3_A	Strain	8ZE222.6P	0.636	2.526	1.178	2.872
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_90,T BI+	GW_B	Strain	8VE38.6P	19.750	0.636	1.478	19.722
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_90,T BI+	F1_B	Strain	116VE38.6P	101.469	2.001	8.658	101.857
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_90,T BI+	F2_B	Strain	116VE31.4P	101.476	1.982	8.659	101.864
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_90,T BI+	F3_B	Strain	113VE15.4P	101.486	1.959	8.660	101.874
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_90,T BI+	F1_A	Strain	8ZE234.3P	-0.131	1.953	0.950	2.175
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_90,T BI+	F2_A	Strain	8ZE228.4P	0.626	2.206	1.211	2.593
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_90,T BI+	F3_A	Strain	8ZE222.6P	0.509	2.550	1.167	2.851
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_90,T BI+	GW_B	Strain	8VE38.6P	19.036	0.155	1.491	19.095
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_90,T BI+	F1_B	Strain	116VE38.6P	102.039	4.146	8.659	103.434
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_90,T BI+	F2_B	Strain	116VE31.4P	102.037	2.309	8.671	102.436
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_90,T BI+	F3_B	Strain	113VE15.4P	102.010	2.254	8.670	102.402
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_45,T BI+	F1_A	Strain	8ZE234.3P	0.012	1.971	0.950	2.188
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_45,T BI+	F2_A	Strain	8ZE228.4P	0.698	2.119	1.195	2.531
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_45,T BI+	F3_A	Strain	8ZE222.6P	0.722	2.454	1.166	2.812
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_45,T BI+	GW_B	Strain	8VE38.6P	19.118	0.264	1.498	19.179
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_90,T BI+	F1_B	Strain	116VE38.6P	102.141	1.507	8.671	102.519
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_90,T BI+	F2_B	Strain	116VE31.4P	102.108	1.526	8.670	102.487
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_90,T BI+	F3_B	Strain	113VE15.4P	102.020	1.546	8.670	102.400
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_90,T BI+	F1_A	Strain	8ZE234.3P	0.021	1.897	0.946	2.180
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_90,T BI+	F2_A	Strain	8ZE228.4P	0.761	2.089	1.210	2.531
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_90,T BI+	F3_A	Strain	8ZE222.6P	0.809	2.408	1.167	2.796
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_90,T BI+	GW_B	Strain	8VE38.6P	19.084	0.033	1.497	19.143
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_45,T BI-	F1_B	Strain	116VE38.6P	103.448	-0.258	8.669	104.010
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_45,T BI-	F2_B	Strain	116VE31.4P	103.380	-0.105	8.670	103.743
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_45,T BI-	F3_B	Strain	113VE15.4P	103.083	0.081	8.670	103.447
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_45,T BI-	F1_A	Strain	8ZE234.3P	-0.040	1.787	0.940	2.029
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_45,T BI-	F2_A	Strain	8ZE228.4P	0.731	2.042	1.213	2.485
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_45,T BI-	F3_A	Strain	8ZE222.6P	0.720	2.384	1.164	2.697
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_45,T BI-	GW_B	Strain	8VE38.6P	19.084	0.033	1.497	19.143
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_90,T BI-	F1_B	Strain	116VE38.6P	101.516	1.192	8.658	101.866
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_90,T BI-	F2_B	Strain	116VE31.4P	101.515	1.197	8.659	101.892
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_90,T BI-	F3_B	Strain	113VE15.4P	101.524	1.253	8.660	101.900
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_45,T BI-	F1_A	Strain	8ZE234.3P	-0.120	1.862	0.944	2.091
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_45,T BI-	F2_A	Strain	8ZE228.4P	0.568	2.110	1.212	2.524
BP-25-4	D81+0 Right.tow	ULS 15yr 4 Cold ZIII WL_45,T BI-	F3_A	Strain	8ZE222.6P	0.572	2.411	1.165	2.738

BP-25-4	D81+0 Right.tow	ULS 15Yr 4 Cold ZIII WR 45,T BI-	GW B	Strain	8VE38.6P	19.067	-0.075	1.489	19.125
BP-25-4	D81+0 Right.tow	ULS 15Yr 7 Permanent,T Global	F1_B	Strain	116VE38.6P	95.277	1.633	9.911	95.805
BP-25-4	D81+0 Right.tow	ULS 15Yr 7 Permanent,T Global	F2_B	Strain	116VE31.4P	95.277	1.633	9.911	95.805
BP-25-4	D81+0 Right.tow	ULS 15Yr 7 Permanent,T Global	F1_A	Strain	113VE15.4P	95.277	1.633	9.911	95.805
BP-25-4	D81+0 Right.tow	ULS 15Yr 7 Permanent,T Global	F2_A	Strain	8ZE24.3P	0.059	2.061	1.064	2.338
BP-25-4	D81+0 Right.tow	ULS 15Yr 7 Permanent,T Global	F1_B	Strain	8ZE23.6P	0.065	2.124	1.389	2.477
BP-25-4	D81+0 Right.tow	ULS 15Yr 7 Permanent,T Global	F2_B	Strain	8ZE23.6P	0.065	2.124	1.389	2.477
BP-25-4	D81+0 Right.tow	ULS 15Yr 7 Permanent,T Global	GW_B	Strain	8VE38.6P	17.948	0.088	1.738	18.032
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F1_B	Strain	116VE38.6P	74.366	1.276	7.309	74.735
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F2_B	Strain	116VE31.4P	74.366	1.276	7.309	74.735
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F3_B	Strain	113VE15.4P	74.366	1.276	7.309	74.735
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F1_A	Strain	8ZE24.3P	0.045	1.584	0.783	1.776
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F2_A	Strain	8ZE28.4P	0.572	1.772	0.999	2.113
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F3_A	Strain	8ZE22.6P	0.546	2.053	0.973	2.337
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	GW_B	Strain	116VE38.6P	4.065	1.782	14.123	14.123
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F1_B	Strain	116VE31.4P	76.287	1.487	7.287	76.648
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F2_B	Strain	113VE15.4P	76.294	1.470	7.287	76.655
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F3_B	Strain	8ZE34.3P	0.095	1.630	0.786	1.813
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F1_A	Strain	8ZE28.4P	0.534	1.831	1.004	2.156
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F2_A	Strain	8ZE22.6P	0.455	2.131	0.974	2.386
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	GW_B	Strain	116VE38.6P	14.422	0.110	1.267	14.478
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F1_B	Strain	116VE38.6P	76.711	1.126	7.295	77.066
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F2_B	Strain	116VE31.4P	76.711	1.126	7.295	77.066
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F3_B	Strain	113VE15.4P	76.711	1.126	7.295	77.066
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F1_A	Strain	8ZE24.3P	0.003	1.591	0.783	1.773
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F2_A	Strain	8ZE22.6P	0.551	2.038	0.974	2.351
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F3_A	Strain	8VE38.6P	14.446	0.043	1.270	14.501
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	GW_B	Strain	116VE38.6P	76.273	1.451	7.287	76.635
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F1_B	Strain	116VE31.4P	76.280	1.440	7.287	76.641
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F2_B	Strain	113VE15.4P	76.289	1.427	7.288	76.650
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F3_B	Strain	8ZE34.3P	0.097	1.628	0.786	1.811
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F1_A	Strain	8ZE28.4P	0.535	1.830	1.004	2.155
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F2_A	Strain	8ZE22.6P	0.423	2.069	0.976	2.399
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	GW_B	Strain	116VE38.6P	14.423	0.059	1.267	14.477
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F1_B	Strain	116VE31.4P	77.097	2.875	7.285	77.494
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F2_B	Strain	113VE15.4P	76.994	2.754	7.286	77.387
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F3_B	Strain	113VE15.4P	76.880	2.607	7.287	77.269
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F1_A	Strain	8ZE34.3P	0.041	1.659	0.786	1.836
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F2_A	Strain	8ZE28.4P	0.564	1.825	0.998	2.156
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F3_A	Strain	8ZE22.6P	0.545	2.122	0.976	2.399
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	GW_B	Strain	116VE38.6P	14.749	0.444	1.245	14.810
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F1_B	Strain	116VE31.4P	76.466	1.385	7.276	77.232
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F2_B	Strain	113VE15.4P	76.446	1.378	7.276	77.232
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F3_B	Strain	8ZE34.3P	0.092	1.659	0.786	1.832
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F1_A	Strain	8ZE28.4P	0.534	1.831	1.004	2.155
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F2_A	Strain	8ZE22.6P	0.455	2.139	0.974	2.385
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F3_A	Strain	8VE38.6P	14.422	0.104	1.267	14.478
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	GW_B	Strain	116VE38.6P	76.458	1.707	7.295	77.024
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F1_B	Strain	116VE31.4P	76.645	1.677	7.295	77.009
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F2_B	Strain	113VE15.4P	76.628	1.641	7.294	76.992
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F3_B	Strain	8ZE34.3P	0.002	1.642	0.787	1.821
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F1_A	Strain	8ZE28.4P	0.546	1.825	0.998	2.156
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F2_A	Strain	8ZE22.6P	0.497	2.074	0.973	2.367
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F3_A	Strain	8VE38.6P	14.460	0.164	1.271	14.517
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	GW_B	Strain	116VE38.6P	76.701	1.152	7.295	77.055
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F1_B	Strain	116VE31.4P	76.682	1.165	7.295	77.037
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F2_B	Strain	113VE15.4P	76.660	1.179	7.294	77.015
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F3_B	Strain	8ZE34.3P	0.004	1.593	0.783	1.775
BP-25-4	D81+0 Right.tow	ULS 15Yr 8 Special,T Global	F1_A	Strain	8ZE28.4P	0.546	1.825	0.998	2.156

BP-25-4	DE1+0 Right.tow	Sels 6a C & M ZIII WL 90,T Bi+	F2_A	Strain	82E28.4P	0.623	1.754	1.003	2.114
BP-25-4	DE1+0 Right.tow	Sels 6a C & M ZIII WL 90,T Bi+	Strain	82E22.6P	0.651	2.036	0.974	2.349	
BP-25-4	DE1+0 Right.tow	Sels 6a C & M ZIII WL 90,T Bi+	GW_B	Strain	82E38.6P	14.448	0.038	1.271	14.504
BP-25-4	DE1+0 Right.tow	Sels 6a C & M ZIII WF,0,T Bi-	F1_B	Strain	110E38.6P	77.269	-0.225	7.285	77.612
BP-25-4	DE1+0 Right.tow	Sels 6a C & M ZIII WF,0,T Bi-	F2_B	Strain	110E31.4P	77.145	-0.107	7.286	77.489
BP-25-4	DE1+0 Right.tow	Sels 6a C & M ZIII WF,0,T Bi-	F3_A	Strain	113E31.3P	77.068	0.156	7.580	77.352
BP-25-4	DE1+0 Right.tow	Sels 6a C & M ZIII WF,0,T Bi-	F3_B	Strain	113E31.3P	77.068	0.156	7.580	77.352
BP-25-4	DE1+0 Right.tow	Sels 6a C & M ZIII WF,0,T Bi-	F2_A	Strain	82E28.4P	0.983	1.728	1.001	2.080
BP-25-4	DE1+0 Right.tow	Sels 6a C & M ZIII WF,0,T Bi-	F3_A	Strain	82E22.6P	0.546	1.984	0.969	2.275
BP-25-4	DE1+0 Right.tow	Sels 6a C & M ZIII WF,0,T Bi-	GW_B	Strain	82E38.6P	14.759	-0.299	1.242	14.816
BP-25-4	DE1+0 Right.tow	Sels 6a C & M ZIII WF,-45,T Bi-	F1_B	Strain	110E38.6P	77.483	-0.005	7.295	77.825
BP-25-4	DE1+0 Right.tow	Sels 6a C & M ZIII WF,-45,T Bi-	F2_B	Strain	110E31.4P	77.341	0.085	7.295	77.694
BP-25-4	DE1+0 Right.tow	Sels 6a C & M ZIII WF,-45,T Bi-	F3_B	Strain	113E15.4P	77.183	0.218	7.295	77.527
BP-25-4	DE1+0 Right.tow	Sels 6a C & M ZIII WF,-45,T Bi-	F1_A	Strain	82E34.3P	-0.036	1.534	0.780	1.721
BP-25-4	DE1+0 Right.tow	Sels 6a C & M ZIII WF,-45,T Bi-	F2_A	Strain	82E28.4P	0.995	1.768	1.001	2.099
BP-25-4	DE1+0 Right.tow	Sels 6a C & M ZIII WF,-45,T Bi-	F3_A	Strain	82E22.6P	0.995	1.768	1.001	2.099
BP-25-4	DE1+0 Right.tow	Sels 6a C & M ZIII WF,-45,T Bi-	GW_B	Strain	82E38.6P	14.730	-0.240	1.267	14.786
BP-25-4	DE1+0 Right.tow	Sels 6a C & M ZIII WF,45,T Bi-	F1_B	Strain	110E38.6P	76.300	0.920	7.286	76.653
BP-25-4	DE1+0 Right.tow	Sels 6a C & M ZIII WF,45,T Bi-	F2_B	Strain	110E31.4P	76.305	0.950	7.287	76.658
BP-25-4	DE1+0 Right.tow	Sels 6a C & M ZIII WF,45,T Bi-	F3_B	Strain	113E15.4P	76.312	0.986	7.287	76.665
BP-25-4	DE1+0 Right.tow	Sels 6a C & M ZIII WF,45,T Bi-	F1_A	Strain	82E34.3P	-0.089	1.571	0.783	1.758
BP-25-4	DE1+0 Right.tow	Sels 6a C & M ZIII WF,45,T Bi-	F2_A	Strain	82E28.4P	0.563	1.773	1.006	2.115
BP-25-4	DE1+0 Right.tow	Sels 6a C & M ZIII WF,45,T Bi-	F3_A	Strain	82E22.6P	0.498	2.045	0.972	2.319
BP-25-4	DE1+0 Right.tow	Sels 6a C & M ZIII WF,45,T Bi-	GW_B	Strain	82E38.6P	14.431	-0.022	1.266	14.467
BP-25-7	DE1+2.tow	10°C,T Global	F1_B	Strain	110E38.6P	74.400	-0.746	9.804	75.047
BP-25-7	DE1+2.tow	10°C,T Global	F2_B	Strain	110E31.4P	74.400	-0.746	9.804	75.047
BP-25-7	DE1+2.tow	10°C,T Global	F3_B	Strain	113E15.4P	74.400	-0.746	9.804	75.047
BP-25-7	DE1+2.tow	10°C,T Global	F1_A	Strain	82E34.3P	0.516	1.225	1.132	1.746
BP-25-7	DE1+2.tow	10°C,T Global	F2_A	Strain	82E28.4P	0.371	1.551	1.447	2.153
BP-25-7	DE1+2.tow	10°C,T Global	F3_A	Strain	82E22.6P	-0.101	1.582	1.502	2.191
BP-25-7	DE1+2.tow	10°C,T Global	GW_B	Strain	82E38.6P	14.064	-0.003	1.743	14.172
BP-25-7	DE1+2.tow	10°C,T Global	F1_B	Strain	110E38.6P	87.382	1.427	11.756	88.282
BP-25-7	DE1+2.tow	10°C,T Global	F2_B	Strain	110E31.4P	87.382	1.427	11.756	88.282
BP-25-7	DE1+2.tow	10°C,T Global	F3_B	Strain	113E15.4P	87.382	1.427	11.756	88.282
BP-25-7	DE1+2.tow	10°C,T Global	F1_A	Strain	82E34.3P	0.343	2.795	1.639	3.209
BP-25-7	DE1+2.tow	10°C,T Global	F2_A	Strain	82E28.4P	0.211	3.064	2.085	3.712
BP-25-7	DE1+2.tow	10°C,T Global	F3_A	Strain	82E22.6P	-0.396	2.705	1.851	3.425
BP-25-7	DE1+2.tow	10°C,T Global	GW_B	Strain	82E38.6P	17.068	0.685	2.079	17.208
BP-25-7	DE1+2.tow	10°C,T Global	F1_B	Strain	110E38.6P	88.914	-3.389	11.774	89.754
BP-25-7	DE1+2.tow	10°C,T Global	F2_B	Strain	110E31.4P	-3.223	11.774	89.595	11.774
BP-25-7	DE1+2.tow	10°C,T Global	F3_B	Strain	113E15.4P	88.914	-3.389	11.774	89.595
BP-25-7	DE1+2.tow	10°C,T Global	F1_A	Strain	82E34.3P	1.177	1.768	1.538	2.116
BP-25-7	DE1+2.tow	10°C,T Global	F2_A	Strain	82E28.4P	1.126	2.543	2.221	3.559
BP-25-7	DE1+2.tow	10°C,T Global	F3_A	Strain	82E22.6P	0.426	2.636	2.124	3.443
BP-25-7	DE1+2.tow	10°C,T Global	GW_B	Strain	82E38.6P	17.158	-0.703	2.100	17.300
BP-25-7	DE1+2.tow	10°C,T Global	F1_B	Strain	110E38.6P	88.194	-1.811	11.773	88.994
BP-25-7	DE1+2.tow	10°C,T Global	F2_B	Strain	110E31.4P	88.142	-1.751	11.772	88.942
BP-25-7	DE1+2.tow	10°C,T Global	F3_B	Strain	113E15.4P	88.081	-1.678	11.772	88.679
BP-25-7	DE1+2.tow	10°C,T Global	F1_A	Strain	82E34.3P	1.527	1.791	1.509	2.196
BP-25-7	DE1+2.tow	10°C,T Global	F2_A	Strain	82E22.6P	0.736	2.125	2.125	3.228
BP-25-7	DE1+2.tow	10°C,T Global	F3_A	Strain	82E22.6P	0.736	2.125	2.125	3.228
BP-25-7	DE1+2.tow	10°C,T Global	GW_B	Strain	82E38.6P	31.924	4.256	1.996	32.268
BP-25-7	DE1+2.tow	10°C,T Global	F1_B	Strain	110E38.6P	115.553	11.962	11.760	116.764
BP-25-7	DE1+2.tow	10°C,T Global	F2_B	Strain	113E15.4P	108.703	10.104	11.763	109.803
BP-25-7	DE1+2.tow	10°C,T Global	F3_B	Strain	82E34.3P	0.327	2.397	1.371	2.780
BP-25-7	DE1+2.tow	10°C,T Global	F1_A	Strain	82E28.4P	0.199	2.316	1.581	2.812
BP-25-7	DE1+2.tow	10°C,T Global	F2_A	Strain	82E22.6P	-0.320	2.216	1.646	2.778
BP-25-7	DE1+2.tow	10°C,T Global	F3_A	Strain	82E22.6P	-0.320	2.216	1.646	2.778
BP-25-7	DE1+2.tow	10°C,T Global	GW_B	Strain	82E38.6P	28.578	3.730	1.994	29.186
BP-25-7	DE1+2.tow	10°C,T Global	F1_B	Strain	110E38.6P	86.952	0.756	11.756	87.746

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BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 0,T BI+	Strain	8VE38.6P	31.946	2.562	3.531	32.243
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL -45,T BI+	Strain	116VE38.6P	135.334	5.692	17.336	136.559
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL -45,T BI+	Strain	116VE31.4P	134.488	5.226	17.336	135.701
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL -45,T BI+	Strain	113VE15.4P	133.552	4.671	17.336	134.753
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL -45,T BI+	Strain	8ZE24.3P	0.685	2.386	1.933	3.085
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL -45,T BI+	Strain	8ZE23.6P	0.718	2.478	2.023	3.250
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL -45,T BI+	Strain	8VE38.6P	30.785	2.973	11.763	118.578
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL -45,T BI+	Strain	8VE38.6P	30.785	2.973	11.763	118.578
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL -90,T BI+	Strain	116VE38.6P	128.586	-0.446	17.328	129.749
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL -90,T BI+	Strain	116VE31.4P	128.586	-0.502	17.328	129.749
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL -90,T BI+	Strain	113VE15.4P	128.588	-0.568	17.329	129.751
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL -90,T BI+	Strain	8ZE34.3P	0.622	2.522	1.894	3.215
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL -90,T BI+	Strain	8ZE28.4P	0.415	2.968	2.452	3.873
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL -90,T BI+	Strain	8ZE22.6P	-0.570	2.825	2.437	3.790
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL -90,T BI+	Strain	116VE38.6P	127.360	0.268	17.346	127.501
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL -90,T BI+	Strain	116VE31.4P	127.360	0.268	17.346	127.501
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL -45,T BI+	Strain	116VE31.4P	129.423	0.534	17.346	130.785
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 45,T BI+	Strain	113VE15.4P	129.502	0.383	17.344	130.658
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 45,T BI+	Strain	8ZE34.3P	1.022	2.111	1.826	2.973
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 45,T BI+	Strain	8ZE28.4P	0.770	2.585	2.280	3.539
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 45,T BI+	Strain	8ZE22.6P	0.303	2.889	2.430	3.795
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 45,T BI+	Strain	8VE38.6P	27.678	0.582	3.561	27.812
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 90,T BI+	Strain	116VE38.6P	129.007	-2.136	17.338	130.185
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 90,T BI+	Strain	116VE31.4P	129.007	-2.136	17.338	130.185
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 90,T BI+	Strain	113VE15.4P	128.268	-2.009	17.338	130.145
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 90,T BI+	Strain	8ZE28.4P	0.173	2.989	2.482	3.903
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 90,T BI+	Strain	8ZE22.6P	-0.272	2.654	2.549	3.690
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 0,T BI+	Strain	8VE38.6P	31.880	-2.573	3.514	32.176
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL -45,T BI-	Strain	116VE38.6P	135.019	-8.392	17.324	136.384
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL -45,T BI-	Strain	116VE31.4P	134.192	-7.911	17.324	135.537
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL -45,T BI-	Strain	113VE15.4P	133.281	-7.338	17.325	134.602
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL -45,T BI-	Strain	8ZE34.3P	1.152	1.989	1.894	2.978
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL -45,T BI-	Strain	8ZE28.4P	0.817	2.721	2.544	3.814
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL -45,T BI-	Strain	8VE38.6P	30.937	-2.597	3.536	3.123
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 45,T BI-	Strain	116VE31.4P	129.152	-3.263	17.318	130.349
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 45,T BI-	Strain	116VE31.4P	129.071	-3.131	17.319	130.265
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 45,T BI-	Strain	113VE15.4P	128.983	-2.973	17.321	130.175
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 45,T BI-	Strain	8ZE34.3P	0.794	2.186	1.887	3.002
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 45,T BI-	Strain	8ZE28.4P	0.547	2.881	2.552	3.895
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 45,T BI-	Strain	8ZE22.6P	-0.664	2.862	2.583	3.612
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 90,T BI-	Strain	116VE38.6P	27.591	-0.594	3.544	27.824
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 90,T BI-	Strain	116VE31.4P	27.591	-0.594	3.544	27.824
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 90,T BI-	Strain	113VE15.4P	97.778	-0.534	11.763	98.483
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 90,T BI-	Strain	8ZE28.4P	0.778	-0.554	11.763	98.484
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 90,T BI-	Strain	8ZE22.6P	0.506	1.604	1.370	2.169
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 90,T BI-	Strain	8VE38.6P	0.357	1.942	1.740	2.632
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 90,T BI-	Strain	8ZE22.6P	-0.288	1.908	1.771	2.619
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 90,T BI-	Strain	8VE38.6P	18.418	0.136	2.078	18.535
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 90,T BI-	Strain	116VE38.6P	98.035	-1.491	11.766	98.750
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 90,T BI-	Strain	116VE31.4P	98.035	-1.457	11.765	98.738
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 90,T BI-	Strain	113VE15.4P	98.008	-1.147	11.765	98.719
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 90,T BI-	Strain	8ZE34.3P	0.748	1.404	1.365	2.096
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 90,T BI-	Strain	8ZE28.4P	0.665	1.848	1.825	2.564
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 90,T BI-	Strain	8VE38.6P	19.405	-0.056	2.082	18.525
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 90,T BI-	Strain	116VE38.6P	97.713	-0.757	11.763	98.422
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 90,T BI-	Strain	116VE31.4P	97.720	-0.809	11.763	98.429
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 90,T BI-	Strain	113VE15.4P	97.728	-0.824	11.763	98.437
BP-25-7	DE1-12.tow	ULS 15Yr 3 W + I ZIIII WL 90,T BI-	Strain	8ZE34.3P	0.512	1.588	1.373	2.161

BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WRA,T NR-	F2_A	Strain	8zE28.4P	0.361	1.950	1.758	2.650
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WRA,T NR-	F3_A	Strain	8zE28.6P	-0.312	1.782	2.632	
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WRA,T NR-	GW_B	Strain	8vE38.6P	18.394	0.046	2.079	18.511
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_0,T B1+	F1_B	Strain	11vE38.6P	100.349	2.042	11.773	101.058
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_0,T B1+	F2_B	Strain	11vE31.4P	100.034	1.840	11.773	100.741
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_0,T B1+	F3_B	Strain	11vE15.3P	99.807	1.564	11.762	100.353
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_0,T B1+	F2_A	Strain	8zE28.4P	0.361	1.895	1.693	2.569
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_0,T B1+	F3_A	Strain	8zE28.6P	0.324	1.885	1.683	2.569
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_0,T B1+	GW_B	Strain	8zE22.6P	-0.081	1.943	1.762	2.625
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_0,T B1+	F1_B	Strain	8vE38.6P	19.550	0.853	2.076	19.679
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_45,T B1+	F1_B	Strain	11vE38.6P	99.452	1.639	11.767	100.159
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_45,T B1+	F2_B	Strain	11vE31.4P	99.245	1.465	11.767	99.951
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_45,T B1+	F3_B	Strain	11vE15.4P	99.017	1.297	11.767	99.722
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_45,T B1+	F2_A	Strain	8zE34.3P	0.533	1.580	1.383	2.155
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_45,T B1+	F3_A	Strain	8zE34.6P	0.511	1.567	1.363	2.155
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_45,T B1+	GW_B	Strain	8zE22.6P	-0.051	1.897	1.693	2.577
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_45,T B1+	F1_B	Strain	8vE38.6P	19.231	0.748	2.073	19.357
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_90,T B1+	F1_B	Strain	11vE38.6P	97.736	-0.656	11.763	98.444
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_90,T B1+	F2_B	Strain	11vE31.4P	97.741	-0.677	11.763	98.448
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_90,T B1+	F3_B	Strain	11vE15.4P	97.747	-0.703	11.763	98.454
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_90,T B1+	F2_A	Strain	8zE34.3P	0.508	1.587	1.371	2.165
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_90,T B1+	F3_A	Strain	8zE34.6P	0.359	1.946	1.749	2.641
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_90,T B1+	GW_B	Strain	8zE22.6P	-0.301	1.940	1.776	2.625
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_90,T B1+	F1_B	Strain	8vE38.6P	18.487	0.192	2.083	18.605
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_90,T B1+	F2_B	Strain	11vE38.6P	98.026	-1.315	11.766	98.738
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_90,T B1+	F3_B	Strain	11vE31.4P	98.007	-1.268	11.766	98.748
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_90,T B1+	F2_A	Strain	8zE34.3P	0.753	1.389	1.168	2.056
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_90,T B1+	F3_A	Strain	8zE34.6P	0.550	1.847	1.765	2.613
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_90,T B1+	GW_B	Strain	8zE22.6P	0.055	1.931	1.829	2.660
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_90,T B1+	F1_B	Strain	8vE38.6P	18.416	-0.086	2.082	18.534
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_90,T B1+	F2_B	Strain	11vE38.6P	99.877	-4.055	11.753	100.648
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_0,T B1-	F2_B	Strain	11vE31.4P	99.593	-3.847	11.754	100.358
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_0,T B1-	F3_B	Strain	11vE15.4P	99.283	-3.601	11.755	100.042
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_0,T B1-	F2_A	Strain	8zE28.4P	0.463	1.844	1.647	2.566
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_0,T B1-	F3_A	Strain	8zE28.6P	0.157	1.821	1.822	2.577
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_0,T B1-	GW_B	Strain	8zE22.6P	-0.157	1.815	1.822	2.577
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_0,T B1-	F1_B	Strain	8vE38.6P	19.489	-0.863	2.070	19.618
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_45,T B1-	F1_B	Strain	11vE38.6P	99.286	-3.638	11.760	100.046
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_45,T B1-	F2_B	Strain	11vE31.4P	99.094	-3.460	11.760	99.849
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_45,T B1-	F3_B	Strain	11vE15.4P	98.894	-3.247	11.760	99.634
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_45,T B1-	F2_A	Strain	8zE34.3P	0.705	1.355	1.374	2.055
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_45,T B1-	F3_A	Strain	8zE34.6P	0.508	1.832	1.758	2.616
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_45,T B1-	GW_B	Strain	8zE22.6P	-0.313	1.934	1.758	2.616
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_45,T B1-	F1_B	Strain	11vE38.6P	97.844	-1.735	11.759	98.564
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_45,T B1-	F2_B	Strain	11vE31.4P	97.832	-1.685	11.759	98.550
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_45,T B1-	F3_B	Strain	11vE15.4P	97.819	-1.626	11.759	98.537
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_45,T B1-	F2_A	Strain	8zE34.3P	0.383	1.462	1.373	2.088
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_45,T B1-	F3_A	Strain	8zE34.6P	0.415	1.910	1.759	2.656
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_45,T B1-	GW_B	Strain	8zE22.6P	-0.300	1.882	1.830	2.649
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_45,T B1-	F1_B	Strain	8vE38.6P	18.451	-0.202	2.077	18.568
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_45,T B1-	F2_B	Strain	11vE38.6P	96.453	-0.969	11.759	97.589
BP-25-7	DR1-12.tow	ULS 15yr 4 Cold ZIII WL_45,T B1-	F3_B	Strain	11vE15.4P	96.693	-0.969	13.236	97.589
BP-25-7	DR1-12.tow	ULS 15yr 7 Permanent,T Global	F2_B	Strain	11vE38.6P	95.693	-0.969	13.236	97.589
BP-25-7	DR1-12.tow	ULS 15yr 7 Permanent,T Global	F1_A	Strain	8zE34.3P	0.683	1.622	1.529	2.331
BP-25-7	DR1-12.tow	ULS 15yr 7 Permanent,T Global	F2_A	Strain	8zE34.6P	0.489	2.040	1.938	2.856
BP-25-7	DR1-12.tow	ULS 15yr 7 Permanent,T Global	F3_A	Strain	8zE22.6P	-0.132	2.082	2.008	2.896
BP-25-7	DR1-12.tow	ULS 15yr 7 Permanent,T Global	GW_B	Strain	8vE38.6P	18.219	-0.094	2.358	18.371
BP-25-7	DR1-12.tow	ULS 15yr 8 Special,T Global	F1_B	Strain	11vE38.6P	74.400	-0.746	9.804	75.047
BP-25-7	DR1-12.tow	ULS 15yr 8 Special,T Global	F2_B	Strain	11vE31.4P	74.400	-0.746	9.804	75.047
BP-25-7	DR1-12.tow	ULS 15yr 8 Special,T Global	F3_B	Strain	11vE15.4P	73.510	-0.746	9.804	75.047
BP-25-7	DR1-12.tow	ULS 15yr 8 Special,T Global	F2_A	Strain	8zE28.4P	0.310	1.925	1.132	2.746
BP-25-7	DR1-12.tow	ULS 15yr 8 Special,T Global	F3_A	Strain	8zE28.6P	0.371	1.551	1.447	2.153
BP-25-7	DR1-12.tow	ULS 15yr 8 Special,T Global	GW_B	Strain	8zE22.6P	-0.101	1.582	1.502	2.191
BP-25-7	DR1-12.tow	ULS 15yr 8 Special,T Global	F1_B	Strain	8vE38.6P	14.064	-0.003	1.743	14.172
BP-25-7	DR1-12.tow	ULS 15yr 8 Special,T Global	F2_B	Strain	11vE38.6P	75.814	-0.432	9.802	76.446
BP-25-7	DR1-12.tow	ULS 15yr 8 Special,T Global	F3_B	Strain	11vE31.4P	75.815	-0.454	9.802	76.447

BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WB,T NI+	F3_B	Strain	113VE15,4P	75,817	-0,479	9,803	76,449
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WB,T NI+	F1_A	Strain	8ZE34,3P	0,442	1,314	1,137	1,793
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WB,T NI+	F2_A	Strain	8ZE28,4P	0,313	1,604	1,447	2,183
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WB,T NI+	F3_A	Strain	8ZE22,6P	-0,211	1,603	1,486	2,196
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WB,T NI+	GW_B	Strain	8VE38,6P	14,327	0,073	1,740	14,432
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WB,T NI+	F1_B	Strain	116VE31,4P	75,886	-1,052	9,805	76,624
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WB,T NI+	F2_B	Strain	116VE15,4P	75,979	-1,044	9,805	76,609
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WB,T NI+	F3_B	Strain	113VE15,4P	75,972	-1,044	9,805	76,609
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WB,T NI+	F1_A	Strain	8ZE34,3P	0,606	1,176	1,137	1,744
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WB,T NI+	F2_A	Strain	8ZE28,4P	0,440	1,543	1,467	2,175
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WB,T NI+	F3_A	Strain	8ZE22,6P	0,005	1,613	1,525	2,220
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WB,T NI+	GW_B	Strain	8VE38,6P	14,336	-0,080	1,742	14,442
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WJA,T NR+	F1_B	Strain	116VE38,6P	75,985	-0,885	9,804	76,620
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WJA,T NR+	F2_B	Strain	116VE31,4P	75,979	-0,877	9,804	76,614
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WJA,T NR+	F3_B	Strain	113VE15,4P	75,973	-0,868	9,804	76,608
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WJA,T NR+	F1_A	Strain	8ZE34,3P	0,603	1,176	1,137	1,744
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WJA,T NR+	F2_A	Strain	8ZE28,4P	0,438	1,540	1,457	2,165
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WJA,T NR+	F3_A	Strain	8ZE22,6P	0,020	1,622	1,521	2,224
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WJA,T NR+	GW_B	Strain	8VE38,6P	14,327	-0,031	1,741	14,432
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WPA,T NR-	F1_B	Strain	116VE38,6P	75,780	-0,639	9,803	76,414
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WPA,T NR-	F2_B	Strain	116VE31,4P	75,785	-0,647	9,803	76,419
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WPA,T NR-	F3_B	Strain	113VE15,4P	75,790	-0,656	9,803	76,425
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WPA,T NR-	F1_A	Strain	8ZE34,3P	0,446	1,304	1,139	1,788
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WPA,T NR-	F2_A	Strain	8ZE28,4P	0,326	1,604	1,489	2,194
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WPA,T NR-	F3_A	Strain	8ZE22,6P	-0,226	1,604	1,489	2,194
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WPA,T NR-	GW_B	Strain	8VE38,6P	14,319	0,024	1,740	14,424
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WL_0,T BI+	F1_B	Strain	116VE38,6P	77,162	1,220	9,809	77,793
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WL_0,T BI+	F2_B	Strain	116VE31,4P	77,000	1,088	9,809	77,630
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WL_0,T BI+	F3_B	Strain	113VE15,4P	76,821	0,931	9,808	77,450
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WL_0,T BI+	F1_A	Strain	8ZE34,3P	0,507	1,289	1,131	1,788
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WL_0,T BI+	F2_A	Strain	8ZE28,4P	0,360	1,577	1,420	2,152
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WL_0,T BI+	F3_A	Strain	8ZE22,6P	-0,076	1,622	1,481	2,206
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WL_0,T BI+	GW_B	Strain	116VE38,6P	76,821	0,931	9,808	77,450
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WL_45,T BI+	F1_B	Strain	116VE31,4P	76,579	0,842	9,805	77,209
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WL_45,T BI+	F2_B	Strain	113VE15,4P	76,463	0,705	9,805	77,092
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WL_45,T BI+	F3_B	Strain	8ZE34,3P	0,462	1,308	1,127	1,788
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WL_45,T BI+	F1_A	Strain	8ZE28,4P	0,331	1,574	1,412	2,140
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WL_45,T BI+	F2_A	Strain	8ZE22,6P	-0,124	1,624	1,481	2,201
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WL_45,T BI+	F3_A	Strain	8VE38,6P	14,826	0,407	1,738	14,734
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WL_90,T BI+	GW_B	Strain	116VE38,6P	75,793	-0,546	9,802	76,426
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WL_90,T BI+	F1_B	Strain	116VE31,4P	75,706	-0,546	9,802	76,430
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WL_90,T BI+	F2_B	Strain	113VE15,4P	75,701	-0,557	9,803	76,430
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WL_90,T BI+	F3_B	Strain	8ZE34,3P	0,444	1,309	1,138	1,791
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WL_90,T BI+	F1_A	Strain	8ZE28,4P	0,314	1,607	1,452	2,189
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WL_90,T BI+	F2_A	Strain	8ZE22,6P	-0,219	1,604	1,489	2,199
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WL_90,T BI+	GW_B	Strain	8VE38,6P	14,321	0,046	1,740	14,427
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WL_45,T BI+	F1_B	Strain	116VE38,6P	76,080	-0,273	9,807	76,710
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WL_45,T BI+	F2_B	Strain	116VE31,4P	76,062	-0,273	9,807	76,693
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WL_45,T BI+	F3_B	Strain	113VE15,4P	76,042	-0,344	9,806	76,573
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WL_45,T BI+	F1_A	Strain	8ZE34,3P	0,604	1,180	1,136	1,745
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WL_45,T BI+	F2_A	Strain	8ZE28,4P	0,440	1,542	1,463	2,170
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WL_45,T BI+	F3_A	Strain	8ZE22,6P	0,090	1,531	1,416	2,122
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WL_45,T BI+	GW_B	Strain	8VE38,6P	14,330	-0,093	1,742	14,436
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WL_45,T BI+	F1_B	Strain	116VE38,6P	76,885	-2,765	9,787	77,556
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WF_0,T BI-	F2_B	Strain	116VE31,4P	76,741	-2,630	9,787	77,409
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WF_0,T BI-	F3_B	Strain	113VE15,4P	76,584	-2,470	9,788	77,248
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WF_0,T BI-	F1_A	Strain	8ZE34,3P	0,526	1,165	1,133	1,708
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WF_0,T BI-	F2_A	Strain	8ZE28,4P	0,385	1,535	1,477	2,164
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WF_0,T BI-	F3_A	Strain	8ZE22,6P	-0,125	1,548	1,521	2,174
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WF_0,T BI-	GW_B	Strain	8VE38,6P	14,715	-0,471	1,736	14,825
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WF_45,T BI-	F1_B	Strain	116VE31,4P	76,503	-2,378	9,802	77,167
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WF_45,T BI-	F2_B	Strain	113VE15,4P	76,398	-2,239	9,802	77,057
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WF_45,T BI-	F3_B	Strain	8ZE34,3P	0,575	1,155	1,141	1,722
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WF_45,T BI-	F1_A	Strain	8ZE28,4P	0,414	1,537	1,486	2,178
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WF_45,T BI-	F2_A	Strain	8ZE22,6P	-0,078	1,557	1,522	2,178
BP-25-7	DE1-2, tow	Sels 6a C & M ZIII WF_45,T BI-	F3_A	Strain	8VE38,6P	14,619	-0,414	1,740	14,728



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BP-25-7	DE1+2, tow	Sels 6a C & M ZIII WR 45,T BI-	F1_B	Strain 116VE38.6P	75.846	-1.252	9.800	76.487
BP-25-7	DE1+2, tow	Sels 6a C & M ZIII WR 45,T BI-	F2_B	Strain 116VE31.4P	75.841	-1.219	9.800	76.482
BP-25-7	DE1+2, tow	Sels 6a C & M ZIII WR 45,T BI-	F3_B	Strain 113VE15.4P	75.836	-1.181	9.801	76.476
BP-25-7	DE1+2, tow	Sels 6a C & M ZIII WR 45,T BI-	F1_A	Strain 82E34.3P	0.494	1.226	1.140	1.745
BP-25-7	DE1+2, tow	Sels 6a C & M ZIII WR 45,T BI-	F2_A	Strain 82E28.4P	0.352	1.588	1.486	2.203
BP-25-7	DE1+2, tow	Sels 6a C & M ZIII WR 45,T BI-	F3_A	Strain 82E22.6P	-0.719	1.524	1.324	2.215
BP-25-7	DE1+2, tow	Sels 6a C & M ZIII WR 45,T BI-	GW_B	Strain 8VE38.6P	14.338	-0.111	1.735	14.443
BP-25-9	DE1+1 Left, tow	10°C,T Global	F1_B	Strain 82E34.3P	0.508	2.064	1.058	2.393
BP-25-9	DE1+1 Left, tow	10°C,T Global	F2_B	Strain 82E28.4P	0.105	1.592	1.198	1.995
BP-25-9	DE1+1 Left, tow	10°C,T Global	F3_B	Strain 82E22.6P	-0.017	1.583	1.458	2.160
BP-25-9	DE1+1 Left, tow	10°C,T Global	F1_A	Strain 116VE38.6P	-74.397	-0.808	8.589	74.896
BP-25-9	DE1+1 Left, tow	10°C,T Global	F2_A	Strain 116VE31.4P	-74.397	-0.808	8.589	74.896
BP-25-9	DE1+1 Left, tow	10°C,T Global	F3_A	Strain 113VE15.4P	-74.397	-0.808	8.589	74.896
BP-25-9	DE1+1 Left, tow	10°C,T Global	GW_A	Strain 8VE38.6P	-14.065	-0.004	1.158	14.146
BP-25-9	DE1+1 Left, tow	10°C,T Global	F1_B	Strain 82E34.3P	0.193	1.555	1.455	1.904
BP-25-9	DE1+1 Left, tow	10°C,T Global	F2_B	Strain 82E28.4P	-0.193	2.901	1.739	3.388
BP-25-9	DE1+1 Left, tow	10°C,T Global	F3_B	Strain 82E22.6P	-0.895	2.890	3.619	2.982
BP-25-9	DE1+1 Left, tow	10°C,T Global	F1_A	Strain 116VE38.6P	-88.369	-0.832	10.324	88.974
BP-25-9	DE1+1 Left, tow	10°C,T Global	F2_A	Strain 116VE31.4P	-88.311	-0.839	10.323	88.916
BP-25-9	DE1+1 Left, tow	10°C,T Global	F3_A	Strain 113VE15.4P	-88.241	-0.849	10.323	88.847
BP-25-9	DE1+1 Left, tow	10°C,T Global	GW_A	Strain 8VE38.6P	-16.468	0.016	1.827	16.569
BP-25-9	DE1+1 Left, tow	10°C,T Global	F1_B	Strain 82E34.3P	1.375	3.470	1.516	4.028
BP-25-9	DE1+1 Left, tow	10°C,T Global	F2_B	Strain 82E28.4P	0.367	2.768	1.039	3.216
BP-25-9	DE1+1 Left, tow	10°C,T Global	F3_B	Strain 82E22.6P	-0.367	2.768	1.039	3.216
BP-25-9	DE1+1 Left, tow	10°C,T Global	F1_A	Strain 116VE38.6P	-86.293	-1.064	10.314	86.914
BP-25-9	DE1+1 Left, tow	10°C,T Global	F2_A	Strain 116VE31.4P	-86.339	-1.056	10.315	86.960
BP-25-9	DE1+1 Left, tow	10°C,T Global	F3_A	Strain 113VE15.4P	-86.395	-1.047	10.316	87.015
BP-25-9	DE1+1 Left, tow	10°C,T Global	GW_A	Strain 8VE38.6P	-16.425	-0.024	1.820	16.525
BP-25-9	DE1+1 Left, tow	10°C,T Global	F1_B	Strain 82E34.3P	1.338	3.435	1.497	3.979
BP-25-9	DE1+1 Left, tow	10°C,T Global	F2_B	Strain 82E28.4P	0.563	2.772	1.717	3.209
BP-25-9	DE1+1 Left, tow	10°C,T Global	F3_B	Strain 82E22.6P	-0.563	2.910	2.011	3.635
BP-25-9	DE1+1 Left, tow	10°C,T Global	F1_A	Strain 116VE38.6P	-86.293	-1.064	10.314	86.914
BP-25-9	DE1+1 Left, tow	10°C,T Global	F2_A	Strain 116VE31.4P	-86.339	-1.056	10.315	86.960
BP-25-9	DE1+1 Left, tow	10°C,T Global	F3_A	Strain 113VE15.4P	-86.403	-0.932	10.323	87.022
BP-25-9	DE1+1 Left, tow	10°C,T Global	GW_A	Strain 8VE38.6P	-16.434	-0.003	1.823	16.535
BP-25-9	DE1+1 Left, tow	10°C,T Global	F1_B	Strain 82E34.3P	0.458	3.830	1.552	4.157
BP-25-9	DE1+1 Left, tow	10°C,T Global	F2_B	Strain 82E28.4P	-0.187	2.881	1.755	3.379
BP-25-9	DE1+1 Left, tow	10°C,T Global	F3_B	Strain 82E22.6P	-0.898	2.879	2.011	3.625
BP-25-9	DE1+1 Left, tow	10°C,T Global	F1_A	Strain 116VE38.6P	-88.306	-0.965	10.315	88.911
BP-25-9	DE1+1 Left, tow	10°C,T Global	F2_A	Strain 116VE31.4P	-88.254	-0.964	10.315	88.960
BP-25-9	DE1+1 Left, tow	10°C,T Global	F3_A	Strain 113VE15.4P	-88.142	-0.964	10.315	88.960
BP-25-9	DE1+1 Left, tow	10°C,T Global	GW_A	Strain 8VE38.6P	-16.442	-0.005	1.825	16.545
BP-25-9	DE1+1 Left, tow	10°C,T Global	F1_B	Strain 82E34.3P	0.527	2.871	1.291	3.192
BP-25-9	DE1+1 Left, tow	10°C,T Global	F2_B	Strain 82E28.4P	-0.101	2.186	1.342	2.567
BP-25-9	DE1+1 Left, tow	10°C,T Global	F3_B	Strain 82E22.6P	-0.006	2.232	1.627	2.762
BP-25-9	DE1+1 Left, tow	10°C,T Global	F1_A	Strain 116VE38.6P	-128.662	13.762	10.059	128.786
BP-25-9	DE1+1 Left, tow	10°C,T Global	F2_A	Strain 116VE31.4P	-124.090	12.746	10.090	125.150
BP-25-9	DE1+1 Left, tow	10°C,T Global	F3_A	Strain 113VE15.4P	-118.792	11.527	10.126	119.779
BP-25-9	DE1+1 Left, tow	10°C,T Global	GW_A	Strain 8VE38.6P	-32.950	4.297	1.586	33.267
BP-25-9	DE1+1 Left, tow	10°C,T Global	F1_B	Strain 82E34.3P	0.383	2.497	1.412	2.996
BP-25-9	DE1+1 Left, tow	10°C,T Global	F2_B	Strain 82E28.4P	-0.383	2.497	1.412	2.996
BP-25-9	DE1+1 Left, tow	10°C,T Global	F3_B	Strain 82E22.6P	-0.470	2.372	1.639	2.921
BP-25-9	DE1+1 Left, tow	10°C,T Global	F1_A	Strain 116VE38.6P	-105.834	7.138	10.274	106.571
BP-25-9	DE1+1 Left, tow	10°C,T Global	F2_A	Strain 116VE31.4P	-103.592	6.582	10.284	104.300
BP-25-9	DE1+1 Left, tow	10°C,T Global	F3_A	Strain 113VE15.4P	-101.945	5.914	10.295	101.740
BP-25-9	DE1+1 Left, tow	10°C,T Global	GW_A	Strain 8VE38.6P	-23.673	2.270	1.756	23.847
BP-25-9	DE1+1 Left, tow	10°C,T Global	F1_B	Strain 82E34.3P	0.454	3.877	1.554	4.201
BP-25-9	DE1+1 Left, tow	10°C,T Global	F2_B	Strain 82E28.4P	-0.180	2.893	1.748	3.385
BP-25-9	DE1+1 Left, tow	10°C,T Global	F3_B	Strain 82E22.6P	-0.893	2.893	2.011	3.635
BP-25-9	DE1+1 Left, tow	10°C,T Global	F1_A	Strain 116VE38.6P	-88.330	-0.919	10.319	88.935
BP-25-9	DE1+1 Left, tow	10°C,T Global	F2_A	Strain 116VE31.4P	-88.276	-0.921	10.319	88.982
BP-25-9	DE1+1 Left, tow	10°C,T Global	F3_A	Strain 113VE15.4P	-88.211	-0.923	10.319	88.917
BP-25-9	DE1+1 Left, tow	10°C,T Global	GW_A	Strain 8VE38.6P	-16.451	-0.000	1.825	16.552
BP-25-9	DE1+1 Left, tow	10°C,T Global	F1_B	Strain 82E34.3P	0.716	2.773	1.296	3.144
BP-25-9	DE1+1 Left, tow	10°C,T Global	F2_B	Strain 82E28.4P	0.301	2.256	1.382	2.663
BP-25-9	DE1+1 Left, tow	10°C,T Global	F3_B	Strain 82E22.6P	-0.490	2.459	1.666	3.010
BP-25-9	DE1+1 Left, tow	10°C,T Global	F1_A	Strain 116VE38.6P	-95.570	6.102	10.216	96.705
BP-25-9	DE1+1 Left, tow	10°C,T Global	F2_A	Strain 116VE31.4P	-93.478	5.518	10.240	94.164
BP-25-9	DE1+1 Left, tow	10°C,T Global	F3_A	Strain 113VE15.4P	-91.476	5.031	10.240	91.964
BP-25-9	DE1+1 Left, tow	10°C,T Global	GW_A	Strain 8VE38.6P	-21.485	2.032	1.727	21.651
BP-25-9	DE1+1 Left, tow	10°C,T Global	F1_B	Strain 82E34.3P	1.358	3.455	1.507	4.006
BP-25-9	DE1+1 Left, tow	10°C,T Global	F2_B	Strain 82E28.4P	0.566	2.772	1.729	3.316
BP-25-9	DE1+1 Left, tow	10°C,T Global	F3_B	Strain 82E22.6P	-0.835	2.888	2.023	3.632
BP-25-9	DE1+1 Left, tow	10°C,T Global	F1_A	Strain 116VE38.6P	-86.292	-0.976	10.319	86.913



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BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WL 45,T BI+	F3_B	Strain	82E222.6P	0.247	2.737	2.291	3.578
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WL 45,T BI+	F1_A	Strain	116VE38.6P	-130.427	2.393	15.453	131.326
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WL 45,T BI+	F2_A	Strain	116VE31.4P	-130.172	2.128	15.456	131.069
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WL 45,T BI+	F3_A	Strain	113VE15.4P	-129.894	1.810	15.460	130.788
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WL 45,T BI+	GW_A	Strain	8VE38.6P	-29.313	1.220	3.064	28.504
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WL 90,T BI+	F1_B	Strain	82E34.3P	0.203	2.692	1.909	4.294
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WL 90,T BI+	F2_B	Strain	82E222.6P	0.454	2.916	2.442	3.830
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WL 90,T BI+	F3_B	Strain	116VE38.6P	-128.375	1.411	15.188	129.278
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WL 90,T BI+	F2_A	Strain	116VE31.4P	-128.390	1.410	15.188	129.293
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WL 90,T BI+	F3_A	Strain	113VE15.4P	-128.408	1.409	15.188	129.311
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WL 90,T BI+	GW_A	Strain	8VE38.6P	-27.177	-0.009	3.095	27.353
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WR 0,T BI-	F1_B	Strain	82E34.3P	0.903	3.421	1.798	3.969
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WR 0,T BI-	F2_B	Strain	82E28.4P	0.188	2.639	1.985	3.307
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WR 0,T BI-	F3_B	Strain	82E222.6P	0.130	2.694	1.966	3.566
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WR 0,T BI-	GW_A	Strain	116VE38.6P	-130.934	4.654	15.405	131.566
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WR 0,T BI-	F2_A	Strain	116VE31.4P	-137.074	4.047	15.115	138.201
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WR 0,T BI-	F3_A	Strain	113VE15.4P	-135.616	8.345	15.126	136.712
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WR 0,T BI-	GW_A	Strain	8VE38.6P	-32.230	-2.599	3.024	32.476
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F1_B	Strain	82E34.3P	1.132	3.581	1.837	4.180
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F2_B	Strain	82E28.4P	0.316	2.775	2.037	3.457
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F3_B	Strain	82E222.6P	0.203	2.762	2.496	3.728
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F1_A	Strain	116VE38.6P	-131.772	-5.853	15.121	132.766
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F2_A	Strain	116VE31.4P	-131.395	-5.135	15.121	132.599
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F3_A	Strain	113VE15.4P	-130.793	-4.739	15.135	132.299
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	GW_A	Strain	8VE38.6P	-28.741	-1.376	3.055	28.935
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F1_B	Strain	82E34.3P	0.823	3.584	1.816	4.075
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F2_B	Strain	82E28.4P	0.087	2.786	2.033	3.451
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F3_B	Strain	82E222.6P	-0.298	2.777	2.499	3.748
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F1_A	Strain	116VE38.6P	-130.745	-5.225	15.201	131.729
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F2_A	Strain	116VE31.4P	-130.476	-4.955	15.201	131.452
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F3_A	Strain	113VE15.4P	-130.181	-4.631	15.201	131.147
BP-25-9	DEI+1 Left-tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	GW_A	Strain	8VE38.6P	-28.459	-1.034	3.157	28.638
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WR,T NI+	F1_B	Strain	82E34.3P	0.923	3.584	1.816	4.075
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WR,T NI+	F2_B	Strain	82E28.4P	0.049	1.949	1.452	2.431
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WR,T NI+	F3_B	Strain	82E222.6P	-0.198	1.924	1.745	2.605
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WR,T NI+	F1_A	Strain	116VE38.6P	-98.144	-1.044	10.253	98.683
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WR,T NI+	F2_A	Strain	116VE31.4P	-98.133	-1.045	10.253	98.672
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WR,T NI+	F3_A	Strain	113VE15.4P	-98.120	-1.047	10.253	98.660
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WR,T NI+	GW_A	Strain	8VE38.6P	-18.527	-0.001	1.796	18.613
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WR,T NI+	F1_B	Strain	82E34.3P	0.716	1.329	2.902	2.902
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WR,T NI+	F2_B	Strain	82E28.4P	0.156	1.952	1.757	2.413
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WR,T NI+	F3_B	Strain	82E222.6P	0.051	1.961	1.757	2.413
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WR,T NI+	F1_A	Strain	116VE38.6P	-97.720	-1.081	10.252	98.262
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WR,T NI+	F2_A	Strain	116VE31.4P	-97.730	-1.089	10.252	98.273
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WR,T NI+	F3_A	Strain	113VE15.4P	-97.743	-1.087	10.252	98.285
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WR,T NI+	GW_A	Strain	8VE38.6P	-18.318	-0.009	1.795	18.605
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WRA,T NR+	F1_B	Strain	82E34.3P	0.710	2.479	1.327	2.901
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WRA,T NR+	F2_B	Strain	82E28.4P	0.205	1.921	1.448	2.415
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WRA,T NR+	F3_B	Strain	82E222.6P	0.159	1.930	1.751	2.611
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WRA,T NR+	F1_A	Strain	116VE38.6P	-97.736	-1.084	10.253	98.278
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WRA,T NR+	F2_A	Strain	116VE31.4P	-97.748	-1.064	10.253	98.290
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WRA,T NR+	F3_A	Strain	113VE15.4P	-97.748	-1.064	10.253	98.290
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WRA,T NR+	GW_A	Strain	8VE38.6P	-18.521	-0.005	1.795	18.600
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WRA,T NR+	F1_B	Strain	82E34.3P	0.532	2.565	1.338	2.942
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WRA,T NR+	F2_B	Strain	82E28.4P	0.050	1.948	1.456	2.432
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WRA,T NR+	F3_B	Strain	82E222.6P	-0.199	1.924	1.751	2.609
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WRA,T NR+	F1_A	Strain	116VE38.6P	-98.135	-1.071	10.252	98.675
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WRA,T NR+	F2_A	Strain	116VE31.4P	-98.125	-1.071	10.252	98.665
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WRA,T NR+	F3_A	Strain	113VE15.4P	-98.113	-1.073	10.252	98.653
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WRA,T NR+	GW_A	Strain	8VE38.6P	-18.423	-0.005	1.786	18.513
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WRA,T NR+	F1_B	Strain	82E34.3P	0.592	2.552	1.327	2.932
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WRA,T NR+	F2_B	Strain	82E28.4P	0.120	1.951	1.419	2.416
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WRA,T NR+	F3_B	Strain	82E222.6P	-0.017	1.951	1.718	2.599
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WL 0,T BI+	F1_A	Strain	116VE38.6P	-100.484	1.954	10.244	101.024
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WL 0,T BI+	F2_A	Strain	116VE31.4P	-100.144	1.744	10.246	100.682
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WL 0,T BI+	F3_A	Strain	113VE15.4P	-99.771	1.482	10.248	100.307
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WL 0,T BI+	GW_A	Strain	8VE38.6P	-19.786	0.861	1.779	19.885
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WL 0,T BI+	F1_B	Strain	82E34.3P	0.461	1.954	1.413	2.390
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WL 0,T BI+	F2_B	Strain	82E28.4P	0.073	1.936	1.413	2.390
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WL 0,T BI+	F3_B	Strain	82E222.6P	-0.107	1.911	1.703	2.562
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WL 0,T BI+	F1_A	Strain	116VE38.6P	-99.071	0.589	10.263	99.603
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WL 0,T BI+	F2_A	Strain	116VE31.4P	-98.934	0.473	10.263	99.466
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WL 0,T BI+	F3_A	Strain	113VE15.4P	-98.784	0.335	10.262	99.316
BP-25-9	DEI+1 Left-tow	ULS 15yr 4 Cold ZIII WL 0,T BI+	GW_A	Strain	8VE38.6P	-18.967	0.453	1.796	19.058

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BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WLA,T NR+	F3_A	Strain 113VE15.4P	-75.771	-0.823	8.580	76.259
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WLA,T NR+	GW_A	Strain 8VE38.6P	-14.343	-0.004	1.511	14.422
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WLA,T NR+	F1_B	Strain 8VE34.3P	0.457	2.122	1.107	2.436
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WPA,T NR-	F2_B	Strain 8ZE28.4P	0.055	1.622	1.208	2.023
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WPA,T NR-	F3_B	Strain 8ZE22.6P	-0.134	1.464	1.464	2.184
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WRA,T NR-	F1_A	Strain 116VE31.4P	-6.023	-0.827	8.579	76.509
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WRA,T NR-	F2_A	Strain 116VE31.4P	-76.509	-0.827	8.579	76.509
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WPA,T NR-	F3_A	Strain 113VE15.4P	-75.008	-0.827	8.579	76.495
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WPA,T NR-	GW_A	Strain 8VE38.6P	-14.344	-0.004	1.511	14.424
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL 0,T BI+	F1_B	Strain 8ZE34.3P	0.499	2.125	1.095	2.442
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL 0,T BI+	F2_B	Strain 8ZE28.4P	0.102	1.634	1.187	2.022
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL 0,T BI+	F3_B	Strain 8ZE22.6P	-0.015	1.642	1.445	2.187
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL 0,T BI+	F1_A	Strain 116VE38.6P	-77.208	1.194	8.576	77.592
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL 0,T BI+	F2_A	Strain 116VE31.4P	-77.033	1.016	8.576	77.515
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL 0,T BI+	F3_A	Strain 113VE15.4P	-76.540	0.850	8.576	77.502
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL 0,T BI+	GW_A	Strain 8VE38.6P	-14.343	0.850	1.505	12.822
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL -45,T BI+	F1_B	Strain 8ZE34.3P	0.459	2.138	1.096	2.437
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL -45,T BI+	F2_B	Strain 8ZE28.4P	0.075	1.613	1.182	2.001
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL -45,T BI+	F3_B	Strain 8ZE22.6P	-0.073	1.613	1.434	2.159
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL -45,T BI+	F1_A	Strain 116VE38.6P	-76.504	0.259	8.587	76.985
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL -45,T BI+	F2_A	Strain 116VE31.4P	-76.433	0.183	8.586	76.914
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL -45,T BI+	F3_A	Strain 113VE15.4P	-76.353	0.093	8.586	76.835
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL -45,T BI+	GW_A	Strain 8VE38.6P	-14.513	0.246	1.512	14.593
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL -90,T BI+	F1_B	Strain 8ZE34.3P	0.455	2.124	1.097	2.428
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL -90,T BI+	F2_B	Strain 8ZE28.4P	0.055	1.622	1.207	2.028
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL -90,T BI+	F3_B	Strain 8ZE22.6P	-0.134	1.615	1.462	2.183
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL -90,T BI+	F1_A	Strain 116VE38.6P	-76.025	-0.821	8.579	76.512
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL -90,T BI+	F2_A	Strain 116VE31.4P	-76.018	-0.821	8.579	76.505
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL -90,T BI+	F3_A	Strain 113VE15.4P	-76.010	-0.822	8.579	76.497
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL -90,T BI+	GW_A	Strain 8VE38.6P	-14.345	-0.003	1.511	14.424
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL 45,T BI+	F1_B	Strain 8ZE34.3P	0.518	2.087	1.093	2.412
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL 45,T BI+	F2_B	Strain 8ZE28.4P	0.126	1.602	1.181	2.194
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL 45,T BI+	F3_B	Strain 8ZE22.6P	-0.030	1.614	1.466	2.186
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL 45,T BI+	F1_A	Strain 116VE38.6P	-75.933	0.114	8.573	76.450
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL 45,T BI+	F2_A	Strain 116VE31.4P	-75.003	0.044	8.573	76.485
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL 45,T BI+	F3_A	Strain 113VE15.4P	-75.973	-0.030	8.574	76.455
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL 90,T BI+	GW_A	Strain 8VE38.6P	-14.430	0.220	1.507	14.510
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL 90,T BI+	F1_B	Strain 8ZE34.3P	0.576	2.065	1.101	2.410
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL 90,T BI+	F2_B	Strain 8ZE28.4P	0.158	1.604	1.204	2.012
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL 90,T BI+	F3_B	Strain 8ZE22.6P	-0.100	1.619	1.466	2.186
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL 90,T BI+	F1_A	Strain 116VE38.6P	-75.754	-0.829	8.579	76.543
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL 90,T BI+	F2_A	Strain 116VE31.4P	-75.754	-0.829	8.579	76.543
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL 90,T BI+	F3_A	Strain 113VE15.4P	-75.754	-0.829	8.579	76.550
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL 90,T BI+	GW_A	Strain 8VE38.6P	-14.343	-0.004	1.511	14.422
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WL 90,T BI+	F1_B	Strain 8ZE34.3P	0.519	2.013	1.102	2.353
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WF 0,T BI-	F2_B	Strain 8ZE28.4P	0.109	1.557	1.211	1.976
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WF 0,T BI-	F3_B	Strain 8ZE22.6P	-0.018	1.545	1.471	2.134
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WF 0,T BI-	F1_A	Strain 116VE38.6P	-76.994	-2.828	8.567	77.521
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WF 0,T BI-	F2_A	Strain 116VE31.4P	-76.834	-2.687	8.568	77.357
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WF 0,T BI-	F3_A	Strain 113VE15.4P	-76.860	-2.548	8.570	77.178
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WF 0,T BI-	GW_A	Strain 8VE38.6P	-14.263	-0.044	1.508	14.385
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WF -45,T BI-	F1_B	Strain 8ZE34.3P	0.136	1.592	1.219	2.002
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WF -45,T BI-	F2_B	Strain 8ZE28.4P	0.039	1.583	1.484	2.170
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WF -45,T BI-	F3_B	Strain 8ZE22.6P	-0.039	1.583	1.484	2.170
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WF -45,T BI-	F1_A	Strain 116VE38.6P	-76.131	-1.917	8.566	76.635
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WF -45,T BI-	F2_A	Strain 116VE31.4P	-76.082	-1.841	8.567	76.595
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WF -45,T BI-	F3_A	Strain 113VE15.4P	-76.030	-1.749	8.569	76.532
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WF -45,T BI-	GW_A	Strain 8VE38.6P	-14.461	-0.254	1.506	14.541
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WF -45,T BI-	F1_B	Strain 8ZE34.3P	0.500	2.048	1.106	2.381
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WF -45,T BI-	F2_B	Strain 8ZE28.4P	0.088	1.588	1.484	2.173
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WF -45,T BI-	F3_B	Strain 8ZE22.6P	-0.085	1.595	1.484	2.173
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WF 45,T BI-	F1_A	Strain 116VE38.6P	-76.187	-1.768	8.583	76.689
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WF 45,T BI-	F2_A	Strain 116VE31.4P	-76.153	-1.702	8.583	76.654
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WF 45,T BI-	F3_A	Strain 113VE15.4P	-76.116	-1.623	8.583	76.615
BP-25-9	DEI+1 Left-tow	Sels 6a C & M ZIII WF 45,T BI-	GW_A	Strain 8VE38.6P	-14.453	-0.228	1.512	14.534
BP-25-1	DEI-2, tow	10°C,T Global	F1_B	Strain 8ZE34.3P	0.266	1.302	0.645	1.477
BP-25-1	DEI-2, tow	10°C,T Global	F2_B	Strain 8ZE28.4P	-0.339	1.722	1.752	1.560
BP-25-1	DEI-2, tow	10°C,T Global	F1_A	Strain 116VE38.6P	-74.390	0.150	8.583	76.689
BP-25-1	DEI-2, tow	10°C,T Global	F2_A	Strain 116VE31.4P	-74.390	0.157	3.934	74.503
BP-25-1	DEI-2, tow	10°C,T Global	F3_A	Strain 113VE15.4P	-74.390	0.157	3.934	74.503
BP-25-1	DEI-2, tow	10°C,T Global	GW_A	Strain 8VE38.6P	-14.067	0.005	0.626	14.081
BP-25-1	DEI-2, tow	10°C,T Global	F1_B	Strain 8ZE34.3P	0.017	2.423	0.748	2.536
BP-25-1	DEI-2, tow	10°C,T Global	F2_B	Strain 8ZE28.4P	-0.824	2.394	0.903	2.688

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BP-25-1	DE1-2.tow	ULS 15yr Ia W ZIII WR 45,T BI-	F1_B	Strain 8zE234.3P	0.568	2.097	0.832	2.326
BP-25-1	DE1-2.tow	ULS 15yr Ia W ZIII WR 45,T BI-	F2_B	Strain 8zE238.4P	-0.218	2.738	0.904	2.892
BP-25-1	DE1-2.tow	ULS 15yr Ia W ZIII WR 45,T BI-	F3_B	Strain 8zE242.6P	-0.783	2.437	1.206	2.830
BP-25-1	DE1-2.tow	ULS 15yr Ia W ZIII WR 45,T BI-	F1_A	Strain 116VE38.6P	-93.056	5.171	4.399	93.303
BP-25-1	DE1-2.tow	ULS 15yr Ia W ZIII WR 45,T BI-	F2_A	Strain 116VE31.4P	-91.803	4.831	4.458	92.038
BP-25-1	DE1-2.tow	ULS 15yr Ia W ZIII WR 45,T BI-	F3_A	Strain 113VE15.4P	-90.413	4.460	4.572	90.632
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	GW_A	Strain 8zE234.3P	-0.228	2.482	1.000	2.648
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F1_B	Strain 8zE238.4P	-0.780	2.745	1.149	3.076
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F2_B	Strain 8zE242.6P	-0.101	2.965	1.580	3.361
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F3_A	Strain 116VE38.6P	-127.819	2.035	7.048	128.030
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F2_A	Strain 116VE31.4P	-127.783	2.026	7.047	127.993
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F3_A	Strain 113VE15.4P	-127.738	2.014	7.046	127.948
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	GW_A	Strain 8zE238.6P	-26.350	0.043	1.359	26.385
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F1_B	Strain 8zE234.3P	-0.743	2.700	1.107	2.818
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F2_B	Strain 8zE242.6P	0.475	2.793	1.580	3.326
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F3_A	Strain 116VE38.6P	-126.529	1.814	7.045	126.738
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F2_A	Strain 116VE31.4P	-126.565	1.823	7.046	126.774
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F3_A	Strain 113VE15.4P	-126.508	1.834	7.047	126.817
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	GW_A	Strain 8zE238.6P	-26.245	-0.024	1.342	26.280
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F1_B	Strain 8zE234.3P	0.743	2.283	1.003	2.602
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F2_B	Strain 8zE242.6P	-0.427	2.743	1.133	2.998
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F3_B	Strain 116VE38.6P	-126.502	1.798	7.034	126.712
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F2_A	Strain 116VE31.4P	-126.544	1.714	7.036	126.751
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F3_A	Strain 113VE15.4P	-126.590	1.738	7.038	126.797
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	GW_A	Strain 8zE238.6P	-26.226	-0.063	1.338	26.260
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F1_B	Strain 8zE234.3P	0.228	2.462	1.003	2.668
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F2_B	Strain 8zE242.6P	-0.768	2.748	1.150	3.077
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F3_B	Strain 116VE38.6P	-127.842	2.153	7.059	128.055
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F2_A	Strain 116VE31.4P	-127.793	2.144	7.065	128.006
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	F3_A	Strain 113VE15.4P	-127.767	2.116	7.055	128.005
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI-	GW_A	Strain 8zE238.6P	-26.377	0.082	1.362	26.412
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F1_B	Strain 8zE234.3P	0.456	2.039	0.950	2.312
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F2_B	Strain 8zE242.6P	-0.603	2.483	1.126	2.793
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F3_B	Strain 116VE38.6P	-135.133	-3.352	1.575	3.006
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F1_A	Strain 116VE31.4P	-133.926	-2.905	6.824	135.347
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F2_A	Strain 113VE15.4P	-132.572	-2.348	6.903	132.772
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F3_A	Strain 8zE238.6P	-30.493	0.082	1.379	30.436
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	GW_A	Strain 8zE234.3P	-0.551	2.524	1.126	2.818
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F1_B	Strain 8zE242.6P	0.592	2.557	1.567	3.057
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F2_B	Strain 116VE38.6P	-129.167	-1.653	6.901	129.362
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F3_A	Strain 116VE31.4P	-128.812	-1.349	6.920	129.005
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F2_A	Strain 113VE15.4P	-128.419	-0.969	6.942	128.610
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	GW_A	Strain 8zE238.6P	-27.769	-1.172	1.250	27.822
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F1_B	Strain 8zE234.3P	0.743	2.282	1.005	2.610
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F2_B	Strain 8zE242.6P	-0.473	2.786	1.179	3.119
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F3_B	Strain 116VE38.6P	-126.517	1.760	7.039	126.724
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F2_A	Strain 116VE31.4P	-126.553	1.774	7.041	126.761
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F3_A	Strain 113VE15.4P	-126.598	1.791	7.042	126.806
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	GW_A	Strain 8zE238.6P	-26.235	-0.041	1.340	26.269
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F1_B	Strain 8zE234.3P	0.336	2.124	0.978	2.362
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F2_B	Strain 8zE242.6P	-0.767	2.604	1.133	2.942
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F3_B	Strain 116VE38.6P	-130.478	-2.672	1.567	3.099
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F2_A	Strain 116VE31.4P	-129.167	-1.653	6.901	129.362
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F3_A	Strain 113VE15.4P	-128.419	-0.969	6.942	128.610
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	GW_A	Strain 8zE238.6P	-27.769	-1.172	1.250	27.822
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F1_B	Strain 8zE234.3P	0.743	2.282	1.005	2.610
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F2_B	Strain 8zE242.6P	-0.473	2.786	1.179	3.119
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F3_B	Strain 116VE38.6P	-126.517	1.760	7.039	126.724
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F2_A	Strain 116VE31.4P	-126.553	1.774	7.041	126.761
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F3_A	Strain 113VE15.4P	-126.598	1.791	7.042	126.806
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	GW_A	Strain 8zE238.6P	-27.164	-0.593	1.350	27.204
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F1_B	Strain 8zE234.3P	0.228	2.452	1.001	2.658
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F2_B	Strain 8zE242.6P	-0.775	2.747	1.150	3.077
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F3_B	Strain 116VE38.6P	-127.830	2.088	7.053	128.042
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F2_A	Strain 116VE31.4P	-127.793	2.075	7.052	128.004
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F3_A	Strain 113VE15.4P	-127.767	2.046	7.055	128.005
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	GW_A	Strain 8zE238.6P	-26.366	0.060	1.360	26.398
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F1_B	Strain 8zE234.3P	0.452	2.491	1.023	2.649
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F2_B	Strain 8zE242.6P	-0.548	2.814	1.150	3.089
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F3_B	Strain 116VE38.6P	-133.483	-3.364	1.598	3.291
BP-25-1	DE1-2.tow	ULS 15yr 3 W + I ZIII WR 45,T BI+	F2_A	Strain 116VE31.4P	-132.401	-2.922	6.812	132.756

BP-25-1	DE1-2.tow	ULS 15Yr 3 W + I ZIII WR 0,T BI-	F3_A	Strain 113VE15.4P	-131.202	6.329	6.860	131.534
BP-25-1	DE1-2.tow	ULS 15Yr 3 W + I ZIII WR 0,T BI-	GW_A	Strain 8VE38.6P	-29.795	1.741	1.177	29.869
BP-25-1	DE1-2.tow	ULS 15Yr 3 W + I ZIII WR 45,T BI-	F1_B	Strain 8ZE34.3P	0.337	2.494	1.034	2.721
BP-25-1	DE1-2.tow	ULS 15Yr 3 W + I ZIII WR 45,T BI-	F2_B	Strain 8ZE28.4P	-0.602	2.774	1.150	3.063
BP-25-1	DE1-2.tow	ULS 15Yr 3 W + I ZIII WR 45,T BI-	F3_B	Strain 8ZE22.6P	0.141	1.602	1.331	1.602
BP-25-1	DE1-2.tow	ULS 15Yr 3 W + I ZIII WR 45,T BI-	F1_A	Strain 116VE31.4P	-129.235	7.038	129.235	129.235
BP-25-1	DE1-2.tow	ULS 15Yr 3 W + I ZIII WR 45,T BI-	F2_A	Strain 113VE15.4P	-128.612	7.038	128.612	128.612
BP-25-1	DE1-2.tow	ULS 15Yr 3 W + I ZIII WR 45,T BI-	F3_A	Strain 8VE38.6P	-28.019	1.150	1.308	28.074
BP-25-1	DE1-2.tow	ULS 15Yr 3 W + I ZIII WR 45,T BI-	GW_A	Strain 8ZE34.3P	0.590	2.386	1.035	2.667
BP-25-1	DE1-2.tow	ULS 15Yr 3 W + I ZIII WR 45,T BI-	F1_B	Strain 8ZE28.4P	-0.427	2.890	1.150	3.140
BP-25-1	DE1-2.tow	ULS 15Yr 3 W + I ZIII WR 45,T BI-	F2_B	Strain 8ZE22.6P	0.534	2.826	1.601	3.309
BP-25-1	DE1-2.tow	ULS 15Yr 3 W + I ZIII WR 45,T BI-	F3_B	Strain 116VE31.4P	-127.976	3.917	6.914	128.223
BP-25-1	DE1-2.tow	ULS 15Yr 3 W + I ZIII WR 45,T BI-	F1_A	Strain 113VE15.4P	-127.748	3.744	6.931	127.991
BP-25-1	DE1-2.tow	ULS 15Yr 3 W + I ZIII WR 45,T BI-	F2_A	Strain 8VE38.6P	-28.007	0.525	0.821	127.745
BP-25-1	DE1-2.tow	ULS 15Yr 3 W + I ZIII WR 45,T BI-	GW_A	Strain 8ZE34.3P	0.234	1.607	0.780	1.602
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WB,T NI+	F1_B	Strain 8ZE28.4P	-0.467	1.871	0.878	2.119
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WB,T NI+	F2_B	Strain 8ZE22.6P	0.077	1.947	1.180	2.278
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WB,T NI+	F3_B	Strain 116VE31.4P	-101.578	1.504	4.291	101.680
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WB,T NI+	F1_A	Strain 113VE15.4P	-101.507	1.509	4.291	101.708
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WB,T NI+	GW_A	Strain 8VE38.6P	-19.407	-0.003	0.636	19.417
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WUA,T NR+	F1_B	Strain 8ZE34.3P	0.411	1.532	0.781	1.768
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WUA,T NR+	F2_B	Strain 8ZE28.4P	-0.350	1.860	0.870	2.083
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WUA,T NR+	F3_B	Strain 116VE31.4P	-101.433	1.463	4.287	101.571
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WUA,T NR+	F1_A	Strain 113VE15.4P	-101.400	1.471	4.288	101.701
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WUA,T NR+	GW_A	Strain 8VE38.6P	-19.399	-0.017	0.634	19.410
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WPA,T NR-	F1_B	Strain 8ZE34.3P	0.233	1.618	0.781	1.812
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WPA,T NR-	F2_B	Strain 8ZE28.4P	-0.463	1.877	0.879	2.123
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WPA,T NR-	F3_B	Strain 8ZE22.6P	0.078	1.994	1.181	2.285
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WPA,T NR-	F1_A	Strain 116VE31.4P	-102.417	4.283	102.519	102.519
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WPA,T NR-	F2_A	Strain 113VE15.4P	-102.362	4.282	102.465	102.465
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WPA,T NR-	GW_A	Strain 8VE38.6P	-19.452	0.032	0.642	19.463
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WL 0,T BI+	F1_B	Strain 8ZE34.3P	0.318	1.430	0.772	1.656
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WL 0,T BI+	F2_B	Strain 8ZE28.4P	-0.412	1.746	0.867	1.992
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WL 0,T BI+	F3_B	Strain 8ZE22.6P	0.251	1.763	1.175	2.134
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WL 0,T BI+	F1_A	Strain 116VE31.4P	-104.061	-0.453	4.235	104.148
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WL 0,T BI+	F2_A	Strain 113VE15.4P	-103.750	-0.283	4.244	103.837
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WL 0,T BI+	F3_A	Strain 8VE38.6P	-20.360	0.428	0.770	20.362
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WL 45,T BI+	F1_B	Strain 8ZE34.3P	-0.396	1.769	0.867	2.009
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WL 45,T BI+	F2_B	Strain 8ZE22.6P	0.334	1.772	1.172	2.151
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WL 45,T BI+	F3_B	Strain 116VE31.4P	-102.308	0.186	4.247	102.396
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WL 45,T BI+	F1_A	Strain 113VE15.4P	-102.231	0.302	4.252	102.319
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WL 45,T BI+	F2_A	Strain 8VE38.6P	-19.729	-0.388	0.614	19.742
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WL 45,T BI+	GW_A	Strain 8ZE34.3P	0.411	1.537	0.782	1.773
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WL 90,T BI+	F1_B	Strain 8ZE28.4P	-0.438	1.867	0.878	2.091
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WL 90,T BI+	F2_B	Strain 8ZE22.6P	0.251	1.887	1.180	2.251
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WL 90,T BI+	F3_B	Strain 116VE31.4P	-101.550	1.478	4.289	101.651
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WL 90,T BI+	F1_A	Strain 113VE15.4P	-101.574	1.484	4.289	101.675
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WL 90,T BI+	GW_A	Strain 8VE38.6P	-19.403	-0.009	0.635	19.413
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WL 45,T BI+	F1_B	Strain 8ZE34.3P	0.276	1.473	0.769	1.685
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WL 45,T BI+	F2_B	Strain 8ZE28.4P	-0.464	1.791	0.870	2.045
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WL 45,T BI+	F3_B	Strain 8ZE22.6P	0.157	1.823	1.173	2.173
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WL 45,T BI+	F1_A	Strain 116VE31.4P	-102.853	0.869	4.260	102.948
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WL 45,T BI+	F2_A	Strain 113VE15.4P	-102.729	0.948	4.290	102.823
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WL 45,T BI+	GW_A	Strain 8VE38.6P	-19.663	-0.194	0.641	19.675
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WL 90,T BI+	F1_B	Strain 8ZE34.3P	0.233	1.613	0.781	1.807
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WL 90,T BI+	F2_B	Strain 8ZE28.4P	-0.466	1.874	0.878	2.121
BP-25-1	DE1-2.tow	ULS 15Yr 4 Cold ZIII WL 90,T BI+	F3_B	Strain 8ZE22.6P	0.078	1.950	1.181	2.281

BP-25-1	DEL-2, tow	ULS 15Yr 4 Cold ZIII WL 90,T BI+	F1_A	Strain 116VEH38.6P	-102.413	1.623	4.281	102.515
BP-25-1	DEL-2, tow	ULS 15Yr 4 Cold ZIII WL 90,T BI+	F2_A	Strain 116VEH31.4P	-102.389	1.617	4.281	102.491
BP-25-1	DEL-2, tow	ULS 15Yr 4 Cold ZIII WL 90,T BI+	F3_A	Strain 113VEH15.4P	-102.359	1.610	4.280	102.461
BP-25-1	DEL-2, tow	ULS 15Yr 4 Cold ZIII WL 90,T BI+	GW_A	Strain 8VEH38.6P	-19.448	0.025	0.642	19.458
BP-25-1	DEL-2, tow	ULS 15Yr 4 Cold ZIII WL 90,T BI+	F1_B	Strain 8ZE24.3P	-0.313	1.655	0.790	1.860
BP-25-1	DEL-2, tow	ULS 15Yr 4 Cold ZIII WL 0,T BI-	F2_B	Strain 8ZE23.4P	-0.351	1.654	0.789	1.859
BP-25-1	DEL-2, tow	ULS 15Yr 4 Cold ZIII WL 0,T BI-	F3_B	Strain 8ZE23.4P	-0.351	1.654	0.789	1.859
BP-25-1	DEL-2, tow	ULS 15Yr 4 Cold ZIII WL 0,T BI-	GW_B	Strain 116VEH38.6P	-103.302	3.602	4.216	103.451
BP-25-1	DEL-2, tow	ULS 15Yr 4 Cold ZIII WL 0,T BI-	F2_A	Strain 116VEH31.4P	-103.053	3.425	4.227	103.196
BP-25-1	DEL-2, tow	ULS 15Yr 4 Cold ZIII WL 0,T BI-	F3_A	Strain 113VEH15.4P	-102.783	3.204	4.238	102.920
BP-25-1	DEL-2, tow	ULS 15Yr 4 Cold ZIII WL 0,T BI-	GW_A	Strain 8VEH38.6P	-20.276	0.587	0.595	20.293
BP-25-1	DEL-2, tow	ULS 15Yr 4 Cold ZIII WL -45,T BI-	F1_B	Strain 8ZE24.3P	-0.273	1.673	0.794	1.872
BP-25-1	DEL-2, tow	ULS 15Yr 4 Cold ZIII WL -45,T BI-	F2_B	Strain 8ZE28.4P	-0.407	1.925	0.880	2.155
BP-25-1	DEL-2, tow	ULS 15Yr 4 Cold ZIII WL -45,T BI-	F3_B	Strain 8ZE22.6P	-0.169	1.982	1.190	2.318
BP-25-1	DEL-2, tow	ULS 15Yr 4 Cold ZIII WL -45,T BI-	GW_B	Strain 116VEH38.6P	-102.597	2.843	4.289	102.709
BP-25-1	DEL-2, tow	ULS 15Yr 4 Cold ZIII WL -45,T BI-	F2_A	Strain 116VEH31.4P	-102.302	2.663	4.289	102.451
BP-25-1	DEL-2, tow	ULS 15Yr 4 Cold ZIII WL -45,T BI-	F3_A	Strain 113VEH15.4P	-102.475	2.663	4.289	102.600
BP-25-1	DEL-2, tow	ULS 15Yr 4 Cold ZIII WL -45,T BI-	GW_A	Strain 8VEH38.6P	-19.932	0.403	0.632	19.946
BP-25-1	DEL-2, tow	ULS 15Yr 4 Cold ZIII WL 45,T BI+	F1_B	Strain 8ZE24.3P	-0.359	1.623	0.795	1.843
BP-25-1	DEL-2, tow	ULS 15Yr 4 Cold ZIII WL 45,T BI+	F2_B	Strain 8ZE28.4P	-0.348	1.946	0.878	2.164
BP-25-1	DEL-2, tow	ULS 15Yr 4 Cold ZIII WL 45,T BI+	F3_B	Strain 8ZE22.6P	-0.350	1.936	1.190	2.299
BP-25-1	DEL-2, tow	ULS 15Yr 4 Cold ZIII WL 45,T BI+	GW_B	Strain 116VEH38.6P	-101.970	2.309	4.250	101.985
BP-25-1	DEL-2, tow	ULS 15Yr 4 Cold ZIII WL 45,T BI+	F2_A	Strain 116VEH31.4P	-101.835	2.243	4.254	101.948
BP-25-1	DEL-2, tow	ULS 15Yr 4 Cold ZIII WL 45,T BI+	F3_A	Strain 113VEH15.4P	-101.501	2.162	4.252	101.523
BP-25-1	DEL-2, tow	ULS 15Yr 4 Cold ZIII WL 45,T BI+	GW_A	Strain 8VEH38.6P	-10.449	0.368	0.520	11.521
BP-25-1	DEL-2, tow	ULS 15Yr 7 Permanent,T Global	F1_B	Strain 8ZE24.3P	-0.149	1.708	0.885	1.955
BP-25-1	DEL-2, tow	ULS 15Yr 7 Permanent,T Global	F2_B	Strain 8ZE28.4P	-0.443	2.037	0.986	2.306
BP-25-1	DEL-2, tow	ULS 15Yr 7 Permanent,T Global	F3_B	Strain 8ZE22.6P	-0.279	2.075	1.331	2.481
BP-25-1	DEL-2, tow	ULS 15Yr 7 Permanent,T Global	GW_A	Strain 116VEH38.6P	-95.206	1.440	5.491	95.376
BP-25-1	DEL-2, tow	ULS 15Yr 7 Permanent,T Global	F2_A	Strain 116VEH31.4P	-95.206	1.440	5.491	95.376
BP-25-1	DEL-2, tow	ULS 15Yr 7 Permanent,T Global	F3_A	Strain 113VEH15.4P	-95.206	1.440	5.491	95.376
BP-25-1	DEL-2, tow	ULS 15Yr 7 Permanent,T Global	GW_A	Strain 8VEH38.6P	-17.767	0.006	0.900	17.790
BP-25-1	DEL-2, tow	ULS 15Yr 8 Special,T Global	F1_B	Strain 8ZE24.3P	-0.256	1.582	0.732	1.752
BP-25-1	DEL-2, tow	ULS 15Yr 8 Special,T Global	F2_B	Strain 8ZE28.4P	-0.333	1.582	0.732	1.752
BP-25-1	DEL-2, tow	ULS 15Yr 8 Special,T Global	F3_B	Strain 8ZE22.6P	-0.213	1.591	0.884	1.874
BP-25-1	DEL-2, tow	ULS 15Yr 8 Special,T Global	GW_A	Strain 116VEH38.6P	-74.390	1.127	3.934	74.503
BP-25-1	DEL-2, tow	ULS 15Yr 8 Special,T Global	F2_A	Strain 116VEH31.4P	-74.390	1.127	3.934	74.503
BP-25-1	DEL-2, tow	ULS 15Yr 8 Special,T Global	F3_A	Strain 113VEH15.4P	-74.390	1.127	3.934	74.503
BP-25-1	DEL-2, tow	ULS 15Yr 8 Special,T Global	GW_A	Strain 8VEH38.6P	-14.067	0.005	0.626	14.081
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	F1_B	Strain 8ZE24.3P	-0.211	1.339	0.644	1.501
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	F2_B	Strain 8ZE28.4P	-0.382	1.570	0.726	1.772
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	F3_B	Strain 8ZE22.6P	-0.164	1.654	0.885	1.983
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	GW_A	Strain 116VEH38.6P	-76.779	1.193	3.857	76.901
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	F2_A	Strain 116VEH31.4P	-76.779	1.193	3.857	76.885
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	F3_A	Strain 113VEH15.4P	-76.760	1.187	3.857	76.866
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	GW_A	Strain 8VEH38.6P	-14.507	0.012	0.609	14.519
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	F1_B	Strain 8ZE24.3P	-0.328	1.286	0.646	1.485
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	F2_B	Strain 8ZE28.4P	-0.302	1.570	0.721	1.754
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	F3_B	Strain 8ZE22.6P	-0.332	1.574	0.983	1.885
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	GW_A	Strain 116VEH38.6P	-76.235	1.126	3.865	76.341
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	F2_A	Strain 116VEH31.4P	-76.235	1.126	3.865	76.341
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	F3_A	Strain 113VEH15.4P	-76.260	1.132	3.865	76.375
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	GW_A	Strain 8VEH38.6P	-14.485	-0.001	0.606	14.498
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	F1_B	Strain 8ZE24.3P	-0.328	1.290	0.645	1.479
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	F2_B	Strain 8ZE28.4P	-0.304	1.563	0.721	1.748
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	F3_B	Strain 8ZE22.6P	-0.331	1.569	0.983	1.881
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	GW_A	Strain 116VEH38.6P	-76.229	1.086	3.862	76.335
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	F2_A	Strain 116VEH31.4P	-76.245	1.101	3.862	76.351
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	F3_A	Strain 113VEH15.4P	-76.265	1.107	3.863	76.370
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	GW_A	Strain 8VEH38.6P	-14.479	0.006	0.606	14.498
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	F1_B	Strain 8ZE24.3P	-0.311	1.386	0.645	1.480
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	F2_B	Strain 8ZE28.4P	-0.379	1.574	0.726	1.775
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	F3_B	Strain 8ZE22.6P	-0.098	1.629	0.984	1.905
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	GW_A	Strain 116VEH38.6P	-76.800	1.224	3.860	76.907
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	F2_A	Strain 116VEH31.4P	-76.784	1.219	3.859	76.891
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	F3_A	Strain 113VEH15.4P	-76.765	1.212	3.859	76.871
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	GW_A	Strain 8VEH38.6P	-14.512	0.019	0.610	14.524
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	F1_B	Strain 8ZE24.3P	-0.269	1.230	0.639	1.412
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	F2_B	Strain 8ZE28.4P	-0.215	1.454	0.719	1.613
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	F3_B	Strain 8ZE22.6P	-0.215	1.511	0.979	1.813
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	GW_A	Strain 116VEH38.6P	-77.442	-0.153	3.836	77.737
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	F2_A	Strain 116VEH31.4P	-77.475	-0.042	3.840	77.571
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	F3_A	Strain 113VEH15.4P	-77.290	0.088	3.845	77.385
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	GW_A	Strain 8VEH38.6P	-14.865	-0.310	0.594	14.880
BP-25-1	DEL-2, tow	Sels 6a C & M ZIII WLB,T NI+	F1_B	Strain 8ZE24.3P	0.296	1.226	0.638	1.413



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BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WPA,T NR-	gw Suspension	EWP	-0.483	0.028	4.097	4.126
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WPA,T NR-	T1 E Suspension	T1	0.067	21.522	21.631	
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WPA,T NR-	T2 E Suspension	T2	0.058	3.108	21.485	21.709
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WPA,T NR-	T3 E Suspension	T3	0.052	4.262	21.444	21.863
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WPA,T NR-	iso 1 2-Parts	f1 schp	0.243	17.382	23.171	28.967
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WPA,T NR-	iso 1 2-Parts	42P	-0.137	17.455	20.133	27.856
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WPA,T NR-	iso 1 2-Parts	f2 schp	0.137	17.455	20.133	27.856
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WPA,T NR-	iso 2 2-Parts	72P	-0.077	-16.681	-0.058	16.681
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WPA,T NR-	iso 3 2-Parts	f3 schp	0.058	17.471	22.969	28.858
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WPA,T NR-	iso 3 2-Parts	102P	-0.038	-15.369	-0.025	15.369
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_0,T Bi+	gw Suspension	EWP	-0.087	12.859	4.106	13.499
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_0,T Bi+	T1 E Suspension	T1	-0.472	47.725	21.617	52.395
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_0,T Bi+	T2 E Suspension	T2	-0.408	45.002	21.572	49.907
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_0,T Bi+	T3 E Suspension	T3	-0.333	41.773	21.520	46.992
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_0,T Bi+	iso 1 2-Parts	f1 schp	-0.113	32.269	21.885	38.022
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_0,T Bi+	iso 1 2-Parts	f2 schp	-0.098	17.244	22.895	28.563
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_0,T Bi+	iso 2 2-Parts	72P	-0.141	30.091	0.177	30.092
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_0,T Bi+	iso 3 2-Parts	f3 schp	-0.080	17.198	22.848	28.597
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_0,T Bi+	iso 3 2-Parts	102P	-0.108	26.748	0.172	26.748
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_45,T Bi+	gw Suspension	EWP	2.385	7.943	3.922	9.174
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_45,T Bi+	T1 E Suspension	T1	1.936	32.357	21.339	38.609
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_45,T Bi+	T2 E Suspension	T2	1.753	31.042	21.325	37.702
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_45,T Bi+	T3 E Suspension	T3	1.544	21.101	21.325	37.702
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_45,T Bi+	iso 1 2-Parts	f1 schp	0.344	17.154	22.743	28.479
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_45,T Bi+	iso 1 2-Parts	f2 schp	0.470	16.975	0.089	16.982
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_45,T Bi+	iso 2 2-Parts	42P	0.527	17.133	22.739	28.476
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_45,T Bi+	iso 2 2-Parts	72P	0.417	15.558	0.086	15.564
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_45,T Bi+	iso 3 2-Parts	f3 schp	0.503	17.128	22.730	28.465
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_45,T Bi+	iso 3 2-Parts	102P	0.380	13.902	0.079	13.908
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_90,T Bi+	gw Suspension	EWP	0.044	3.584	3.867	5.272
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_90,T Bi+	T1 E Suspension	T1	1.675	17.863	21.236	27.801
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_90,T Bi+	T2 E Suspension	T2	1.573	17.863	21.236	27.801
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_90,T Bi+	T3 E Suspension	T3	1.370	17.867	21.239	27.804
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_90,T Bi+	iso 1 2-Parts	f1 schp	0.527	17.063	22.730	28.429
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_90,T Bi+	iso 1 2-Parts	42P	0.027	0.801	0.006	0.801
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_90,T Bi+	iso 2 2-Parts	f2 schp	0.627	17.088	22.732	28.446
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_90,T Bi+	iso 2 2-Parts	72P	0.026	0.777	0.005	0.777
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_90,T Bi+	iso 3 2-Parts	f3 schp	0.561	17.066	22.733	28.434
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_90,T Bi+	iso 3 2-Parts	102P	0.030	0.801	0.006	0.801
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_45,T Bi+	gw Suspension	EWP	-2.468	7.816	4.000	9.121
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_45,T Bi+	T1 E Suspension	T1	-2.171	21.519	21.412	38.092
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_45,T Bi+	T2 E Suspension	T2	-1.971	30.230	21.412	38.092
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_45,T Bi+	T3 E Suspension	T3	-1.731	28.804	21.389	35.919
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_45,T Bi+	iso 1 2-Parts	f1 schp	-0.426	17.188	22.837	28.589
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_45,T Bi+	iso 1 2-Parts	42P	-0.505	15.993	0.056	16.001
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_45,T Bi+	iso 2 2-Parts	f2 schp	-0.599	17.189	22.831	28.590
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_45,T Bi+	iso 2 2-Parts	72P	-0.444	14.680	0.081	14.687
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_45,T Bi+	iso 3 2-Parts	f3 schp	-0.562	17.181	22.815	28.572
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_45,T Bi+	iso 3 2-Parts	102P	-0.399	13.149	0.074	13.156
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_90,T Bi+	gw Suspension	EWP	-0.966	7.943	3.922	9.174
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_90,T Bi+	T1 E Suspension	T1	-0.736	17.997	21.277	27.522
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_90,T Bi+	T2 E Suspension	T2	-1.444	17.984	21.275	27.513
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_90,T Bi+	T3 E Suspension	T3	-1.532	17.989	21.274	27.502
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_90,T Bi+	iso 1 2-Parts	f1 schp	-0.647	17.083	22.770	28.479
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_90,T Bi+	iso 1 2-Parts	42P	-0.031	0.904	0.007	0.905
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_90,T Bi+	iso 2 2-Parts	f2 schp	-0.647	17.116	22.769	28.492
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_90,T Bi+	iso 2 2-Parts	72P	-0.031	0.878	0.006	0.879
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_90,T Bi+	iso 3 2-Parts	f3 schp	-0.882	17.080	22.767	28.476
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_90,T Bi+	iso 3 2-Parts	102P	-0.069	0.904	0.007	0.905
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_0,T Bi-	gw Suspension	EWP	-0.093	4.104	4.104	4.105
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_0,T Bi-	T1 E Suspension	T1	-0.073	2.106	21.541	21.644
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_0,T Bi-	T2 E Suspension	T2	-0.070	3.037	21.503	21.717
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_0,T Bi-	T3 E Suspension	T3	-0.064	4.190	21.460	21.865
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_0,T Bi-	iso 1 2-Parts	f1 schp	-0.016	17.381	23.197	28.993
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_0,T Bi-	iso 1 2-Parts	42P	0.024	-17.749	-0.156	17.750
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_0,T Bi-	iso 2 2-Parts	f2 schp	-0.027	17.479	23.066	28.941
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_0,T Bi-	iso 2 2-Parts	72P	0.028	-16.774	-0.063	16.775
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_0,T Bi-	iso 3 2-Parts	f3 schp	0.028	-16.774	-0.063	16.775
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_0,T Bi-	iso 3 2-Parts	102P	-0.093	-15.464	-0.027	15.464
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_45,T Bi-	gw Suspension	EWP	1.695	1.432	3.975	4.552
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_45,T Bi-	T1 E Suspension	T1	-0.932	8.756	21.407	23.147
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_45,T Bi-	T2 E Suspension	T2	-0.895	9.312	21.388	23.344
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_45,T Bi-	T3 E Suspension	T3	-0.851	10.008	21.366	23.609
BP-25-3	RA2-1.tow	ULS 15Yr la W ZIII WL_45,T Bi-	iso 1 2-Parts	f1 schp	-0.599	17.179	23.014	28.725



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BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL -90,T BI+	gw Suspension	EWp	0.015	5.861	6.601	8.827
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL -90,T BI+	T1 E Suspension	T1	0.468	26.350	31.195	40.837
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL -90,T BI+	T2 E Suspension	T2	0.468	26.350	31.195	40.837
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL -90,T BI+	T3 E Suspension	T3	0.405	26.350	31.196	40.837
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL -90,T BI+	iso 1 2-Parts	f1 schp	0.214	24.425	32.676	40.797
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL -90,T BI+	iso 1 2-Parts	42P	0.015	3.688	4.125	5.688
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL -90,T BI+	iso 1 2-Parts	f2 schp	0.015	3.688	4.125	5.688
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL -90,T BI+	iso 1 2-Parts	72P	0.014	1.881	0.015	1.951
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL -90,T BI+	iso 3 2-Parts	f3 schp	0.211	24.444	32.678	40.809
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL -90,T BI+	iso 3 2-Parts	102P	0.016	1.906	0.018	1.907
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI+	gw Suspension	EWp	-0.561	8.038	6.644	10.449
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI+	T1 E Suspension	T1	-0.518	32.946	31.265	45.424
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI+	T2 E Suspension	T2	-0.566	32.386	31.259	45.015
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI+	T3 E Suspension	T3	-0.507	31.722	44.533	44.533
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI+	iso 1 2-Parts	f1 schp	-0.560	24.462	32.682	40.811
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI+	iso 1 2-Parts	42P	-0.231	24.512	32.692	40.861
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI+	iso 2 2-Parts	72P	-0.072	8.373	0.067	8.374
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI+	iso 3 2-Parts	f3 schp	-0.222	24.458	32.682	40.821
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 90,T BI+	iso 3 2-Parts	102P	-0.068	7.729	0.070	7.729
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 90,T BI+	gw Suspension	EWp	-0.032	5.858	6.608	8.831
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 90,T BI+	T1 E Suspension	T1	-0.562	26.368	31.212	40.863
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 90,T BI+	T2 E Suspension	T2	-0.534	26.368	31.211	40.862
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 90,T BI+	T3 E Suspension	T3	-0.483	26.468	40.861	40.861
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 90,T BI+	iso 1 2-Parts	f1 schp	-0.563	24.468	31.239	37.831
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 90,T BI+	iso 1 2-Parts	42P	-0.018	1.931	0.018	1.931
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 90,T BI+	iso 2 2-Parts	f2 schp	-0.246	24.510	32.656	40.864
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 90,T BI+	iso 2 2-Parts	72P	-0.017	1.858	0.015	1.858
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 90,T BI+	iso 3 2-Parts	f3 schp	-0.251	24.454	32.692	40.827
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 90,T BI+	iso 3 2-Parts	102P	-0.019	1.915	0.018	1.915
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 90,T BI+	gw Suspension	EWp	-0.023	2.793	6.671	7.232
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 0,T BI-	T1 E Suspension	T1	-0.062	15.662	31.260	34.964
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 0,T BI-	T2 E Suspension	T2	-0.057	17.307	31.230	35.726
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 0,T BI-	T3 E Suspension	T3	-0.051	17.307	31.230	35.726
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 0,T BI-	iso 1 2-Parts	f1 schp	-0.031	24.452	32.874	40.971
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 0,T BI-	iso 1 2-Parts	42P	0.011	-9.535	-0.114	9.536
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 0,T BI-	iso 2 2-Parts	f2 schp	-0.028	24.514	32.840	40.981
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 0,T BI-	iso 3 2-Parts	72P	0.009	-8.810	-0.050	8.811
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 0,T BI-	iso 3 2-Parts	f3 schp	-0.024	24.471	32.825	40.943
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 0,T BI-	iso 3 2-Parts	102P	0.007	-7.801	-0.086	7.802
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 0,T BI-	iso 3 2-Parts	EWp	0.488	4.139	6.634	7.834
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 0,T BI-	iso 3 2-Parts	T1	-0.280	20.946	31.239	37.831
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 0,T BI-	iso 3 2-Parts	T2	-0.282	21.466	31.234	37.900
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 0,T BI-	iso 3 2-Parts	f1 schp	-0.153	24.461	32.762	40.910
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI-	iso 1 2-Parts	42P	0.026	-4.468	-0.047	4.469
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI-	iso 2 2-Parts	f2 schp	-0.163	24.523	32.776	40.936
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI-	iso 2 2-Parts	72P	0.027	-4.076	-0.037	4.076
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI-	iso 3 2-Parts	f3 schp	-0.198	24.460	32.769	40.892
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI-	iso 3 2-Parts	102P	0.028	-3.458	-0.036	3.458
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI-	iso 3 2-Parts	EWp	-0.491	16.038	31.179	37.846
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI-	iso 3 2-Parts	T1	0.212	20.931	31.179	37.587
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI-	iso 3 2-Parts	T2	0.212	20.931	31.179	37.587
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI-	iso 3 2-Parts	f1 schp	0.207	21.553	31.180	37.888
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI-	iso 3 2-Parts	42P	-0.020	-4.387	-0.046	4.388
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI-	iso 3 2-Parts	f2 schp	0.128	24.480	32.715	40.861
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI-	iso 3 2-Parts	72P	-0.022	-3.988	-0.036	3.988
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI-	iso 3 2-Parts	f3 schp	0.163	24.421	32.715	40.825
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI-	iso 3 2-Parts	102P	0.047	-5.681	-0.047	5.681
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI-	iso 3 2-Parts	EWp	0.082	25.988	21.438	33.697
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI-	iso 3 2-Parts	T1	0.080	25.575	21.435	33.370
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI-	iso 3 2-Parts	T2	0.079	25.074	21.431	32.985
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI-	iso 3 2-Parts	f1 schp	0.025	17.243	22.883	28.652
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI-	iso 3 2-Parts	42P	0.012	9.249	0.055	9.249
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI-	iso 3 2-Parts	f2 schp	0.026	17.257	22.886	28.663
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI-	iso 3 2-Parts	72P	0.012	8.786	0.049	8.786
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI-	iso 3 2-Parts	f3 schp	0.011	8.786	0.049	8.786
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI-	iso 3 2-Parts	102P	0.011	8.786	0.049	8.786
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI-	iso 3 2-Parts	EWp	0.065	3.104	3.940	5.016
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI-	iso 3 2-Parts	T1	0.010	16.930	21.431	27.311
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI-	iso 3 2-Parts	T2	0.012	17.233	21.429	27.498
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI-	iso 3 2-Parts	T3	0.015	17.602	21.426	27.729
BP-25-3	RA2-1.tow	ULS 15yr	3 W + I ZIII WL 45,T BI-	iso 3 2-Parts	f1 schp	0.001	17.245	22.937	28.697



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BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR 0,T BI-	gw Suspension	EWP	0.027	3.092	3.940	5.008
BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR 0,T BI-	T1 E Suspension	T1	0.041	16.884	21.429	27.281
BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR 0,T BI-	T2 E Suspension	T2	0.042	17.181	21.426	27.470
BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR 0,T BI-	T3 E Suspension	T3	0.044	17.564	21.424	27.704
BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR 0,T BI-	iso 1 2-Parts	f1 schp	0.014	17.243	22.935	28.694
BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR 0,T BI-	iso 1 2-Parts	42P	0.011	17.358	23.936	29.655
BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR 0,T BI-	iso 1 2-Parts	f2 schp	0.001	17.358	23.936	29.655
BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR 0,T BI-	iso 1 2-Parts	72P	0.000	17.358	23.936	29.655
BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR 0,T BI-	iso 3 2-Parts	f3 schp	0.015	17.232	22.925	28.679
BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR 0,T BI-	iso 3 2-Parts	102P	-0.000	-0.105	-0.001	0.105
BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR -45,T BI-	gw Suspension	EWP	0.123	3.584	3.931	5.321
BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR -45,T BI-	T1 E Suspension	T1	-0.182	18.825	21.430	28.524
BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR -45,T BI-	T2 E Suspension	T2	-0.172	18.994	21.428	28.635
BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR -45,T BI-	T3 E Suspension	T3	-0.159	19.199	21.426	28.770
BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR -45,T BI-	iso 1 2-Parts	f1 schp	-0.002	17.246	22.901	28.595
BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR -45,T BI-	iso 1 2-Parts	f2 schp	-0.002	17.246	22.901	28.595
BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR -45,T BI-	iso 1 2-Parts	72P	-0.072	17.268	22.920	28.697
BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR -45,T BI-	iso 2 2-Parts	f3 schp	-0.006	1.394	0.008	1.394
BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR -45,T BI-	iso 3 2-Parts	f3 schp	-0.079	17.228	22.915	28.668
BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR -45,T BI-	iso 3 2-Parts	102P	-0.008	1.662	0.012	1.662
BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR -45,T BI-	gw Suspension	EWP	-0.051	3.581	3.922	5.311
BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR 45,T BI-	T1 E Suspension	T1	0.277	18.839	21.404	28.515
BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR 45,T BI-	T2 E Suspension	T2	0.266	19.010	21.405	28.629
BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR 45,T BI-	T3 E Suspension	T3	0.254	19.238	21.406	28.766
BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR 45,T BI-	iso 1 2-Parts	f1 schp	0.016	17.258	22.896	28.566
BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR 45,T BI-	iso 1 2-Parts	42P	0.007	17.260	22.900	28.660
BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR 45,T BI-	iso 2 2-Parts	f2 schp	0.104	17.251	22.896	28.668
BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR 45,T BI-	iso 2 2-Parts	72P	0.008	1.427	0.009	1.427
BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR 45,T BI-	iso 3 2-Parts	f3 schp	0.112	17.212	22.894	28.643
BP-25-3	RA2-1.tow	ULS 15Yr 4 Cold ZIII WR 45,T BI-	iso 3 2-Parts	102P	0.011	1.686	0.012	1.696
BP-25-3	RA2-1.tow	ULS 15Yr 7 Permanent,T Global	gw Suspension	EWP	-0.008	3.936	4.349	5.866
BP-25-3	RA2-1.tow	ULS 15Yr 7 Permanent,T Global	T1 E Suspension	T1	-0.047	19.737	23.891	30.889
BP-25-3	RA2-1.tow	ULS 15Yr 7 Permanent,T Global	T2 E Suspension	T2	-0.047	19.737	23.891	30.889
BP-25-3	RA2-1.tow	ULS 15Yr 7 Permanent,T Global	T3 E Suspension	T3	-0.047	19.737	23.891	30.889
BP-25-3	RA2-1.tow	ULS 15Yr 7 Permanent,T Global	iso 1 2-Parts	f1 schp	-0.017	19.205	25.575	31.983
BP-25-3	RA2-1.tow	ULS 15Yr 7 Permanent,T Global	iso 1 2-Parts	42P	-0.000	0.532	0.004	0.532
BP-25-3	RA2-1.tow	ULS 15Yr 7 Permanent,T Global	iso 2 2-Parts	f2 schp	-0.017	19.244	25.576	32.007
BP-25-3	RA2-1.tow	ULS 15Yr 7 Permanent,T Global	iso 2 2-Parts	72P	-0.000	0.493	0.003	0.493
BP-25-3	RA2-1.tow	ULS 15Yr 7 Permanent,T Global	iso 3 2-Parts	f3 schp	-0.017	19.215	25.575	31.989
BP-25-3	RA2-1.tow	ULS 15Yr 7 Permanent,T Global	iso 3 2-Parts	102P	-0.000	0.522	0.004	0.522
BP-25-3	RA2-1.tow	ULS 15Yr 8 Special,T Global	gw Suspension	EWP	-0.001	3.089	3.236	4.470
BP-25-3	RA2-1.tow	ULS 15Yr 8 Special,T Global	T1 E Suspension	T1	0.016	15.406	17.738	23.494
BP-25-3	RA2-1.tow	ULS 15Yr 8 Special,T Global	T2 E Suspension	T2	-0.016	15.406	17.738	23.494
BP-25-3	RA2-1.tow	ULS 15Yr 8 Special,T Global	T3 E Suspension	T3	-0.016	15.406	17.738	23.494
BP-25-3	RA2-1.tow	ULS 15Yr 8 Special,T Global	iso 1 2-Parts	f1 schp	-0.005	14.314	18.981	23.774
BP-25-3	RA2-1.tow	ULS 15Yr 8 Special,T Global	iso 1 2-Parts	42P	-0.000	1.092	0.006	1.092
BP-25-3	RA2-1.tow	ULS 15Yr 8 Special,T Global	iso 2 2-Parts	f2 schp	-0.005	14.336	18.982	23.788
BP-25-3	RA2-1.tow	ULS 15Yr 8 Special,T Global	iso 2 2-Parts	72P	-0.000	1.070	0.005	1.070
BP-25-3	RA2-1.tow	ULS 15Yr 8 Special,T Global	iso 3 2-Parts	f3 schp	-0.005	14.321	18.982	23.778
BP-25-3	RA2-1.tow	ULS 15Yr 8 Special,T Global	iso 3 2-Parts	102P	-0.000	1.085	0.006	1.085
BP-25-3	RA2-1.tow	Sels 6a C M ZIII WRB,T NR+	gw Suspension	EWP	0.011	2.020	2.020	2.020
BP-25-3	RA2-1.tow	Sels 6a C M ZIII WRB,T NR+	T1 E Suspension	T1	0.011	18.036	17.771	25.020
BP-25-3	RA2-1.tow	Sels 6a C M ZIII WRB,T NR+	T2 E Suspension	T2	0.011	18.036	17.771	25.020
BP-25-3	RA2-1.tow	Sels 6a C M ZIII WRB,T NR+	T3 E Suspension	T3	0.012	18.419	17.768	25.592
BP-25-3	RA2-1.tow	Sels 6a C M ZIII WRB,T NR+	iso 1 2-Parts	f1 schp	0.004	14.340	18.995	23.800
BP-25-3	RA2-1.tow	Sels 6a C M ZIII WRB,T NR+	iso 1 2-Parts	42P	0.001	4.989	0.026	4.989
BP-25-3	RA2-1.tow	Sels 6a C M ZIII WRB,T NR+	iso 2 2-Parts	f2 schp	0.004	14.355	18.997	23.811
BP-25-3	RA2-1.tow	Sels 6a C M ZIII WRB,T NR+	iso 2 2-Parts	72P	0.001	4.688	0.022	4.689
BP-25-3	RA2-1.tow	Sels 6a C M ZIII WRB,T NR+	iso 3 2-Parts	f3 schp	0.005	14.335	18.994	23.796
BP-25-3	RA2-1.tow	Sels 6a C M ZIII WRB,T NR+	iso 3 2-Parts	102P	0.001	4.688	0.022	4.689
BP-25-3	RA2-1.tow	Sels 6a C M ZIII WRB,T NR+	iso 1 2-Parts	f1 schp	-0.024	13.071	17.766	22.057
BP-25-3	RA2-1.tow	Sels 6a C M ZIII WRB,T NR+	T1 E Suspension	T1	-0.023	13.277	17.765	22.179
BP-25-3	RA2-1.tow	Sels 6a C M ZIII WRB,T NR+	T2 E Suspension	T2	-0.022	13.528	17.764	22.328
BP-25-3	RA2-1.tow	Sels 6a C M ZIII WRB,T NR+	T3 E Suspension	T3	-0.009	14.326	19.027	23.817
BP-25-3	RA2-1.tow	Sels 6a C M ZIII WRB,T NR+	iso 1 2-Parts	f1 schp	0.001	-1.578	-0.010	1.578
BP-25-3	RA2-1.tow	Sels 6a C M ZIII WRB,T NR+	iso 2 2-Parts	f2 schp	-0.009	14.350	19.023	23.828
BP-25-3	RA2-1.tow	Sels 6a C M ZIII WRB,T NR+	iso 2 2-Parts	72P	-0.001	-1.378	-0.008	1.378
BP-25-3	RA2-1.tow	Sels 6a C M ZIII WRB,T NR+	iso 3 2-Parts	f3 schp	-0.001	-1.378	-0.008	1.378
BP-25-3	RA2-1.tow	Sels 6a C M ZIII WRB,T NR+	iso 3 2-Parts	102P	-0.001	-1.094	-0.007	1.094
BP-25-3	RA2-1.tow	Sels 6a C M ZIII WLA,T NR+	gw Suspension	EWP	-0.031	3.931	3.249	5.100
BP-25-3	RA2-1.tow	Sels 6a C M ZIII WLA,T NR+	T1 E Suspension	T1	-0.052	18.990	17.774	26.011
BP-25-3	RA2-1.tow	Sels 6a C M ZIII WLA,T NR+	T2 E Suspension	T2	-0.047	18.723	17.772	25.815
BP-25-3	RA2-1.tow	Sels 6a C M ZIII WLA,T NR+	T3 E Suspension	T3	-0.042	17.770	17.770	25.595
BP-25-3	RA2-1.tow	Sels 6a C M ZIII WLA,T NR+	iso 1 2-Parts	f1 schp	-0.015	14.342	18.998	23.804



BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR+	iso 1	2-Parts	42P	-0.005	4.971	0.026	4.971
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR+	iso 2	2-Parts	f2 schp	-0.014	14.357	19.000	23.814
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR+	iso 2	2-Parts	72P	-0.004	4.672	0.022	4.672
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR+	iso 3	2-Parts	f3 schp	-0.013	14.337	18.996	23.799
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR+	iso 3	2-Parts	102P	-0.004	4.354	0.024	4.354
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WRA,T NR-	iso 1	2-Parts	EW P	-0.009	12.543	17.429	22.165
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WRA,T NR-	iso 2	2-Parts	EW P	-0.009	12.543	17.429	22.165
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WRA,T NR-	iso 3	2-Parts	EW P	-0.017	13.279	17.762	22.177
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WRA,T NR-	iso 3	2-Parts	EW P	-0.016	13.530	17.761	22.328
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WRA,T NR-	iso 1	2-Parts	f1 schp	0.006	14.324	19.023	23.813
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WRA,T NR-	iso 1	2-Parts	42P	-0.001	-1.574	-0.010	1.574
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WRA,T NR-	iso 2	2-Parts	f2 schp	0.007	14.347	19.020	23.824
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WRA,T NR-	iso 3	2-Parts	72P	-0.001	-1.374	-0.008	1.374
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WRA,T NR-	iso 3	2-Parts	f3 schp	0.008	14.335	19.018	23.815
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WRA,T NR-	iso 3	2-Parts	102P	-0.001	-1.009	-0.009	1.009
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WRA,T NR-	iso 3	2-Parts	EW P	-0.001	-1.009	-0.009	1.009
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WRA,T NR-	iso 3	2-Parts	EW P	-0.020	19.038	17.773	26.045
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 1	2-Parts	T1	-0.018	18.767	17.771	25.946
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 2	2-Parts	T2	-0.015	18.445	17.769	25.611
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	T3	-0.006	14.342	18.997	23.802
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 1	2-Parts	f1 schp	-0.002	5.021	0.026	5.021
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 2	2-Parts	42P	-0.005	14.356	18.999	23.812
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	f2 schp	-0.001	4.718	0.022	4.718
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	72P	-0.004	14.356	18.992	23.804
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	f3 schp	-0.004	14.356	18.992	23.804
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	102P	-0.001	-1.334	-0.007	1.334
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	EW P	0.056	3.545	3.241	4.803
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	EW P	0.169	17.459	17.758	24.903
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	T1	0.159	17.325	17.757	24.809
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	T2	0.145	17.165	17.757	24.698
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	T3	0.055	14.331	18.989	23.790
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 1	2-Parts	f1 schp	0.011	3.357	0.018	3.357
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 2	2-Parts	42P	0.054	14.350	18.992	23.804
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	f2 schp	0.011	3.357	0.018	3.357
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	72P	0.055	14.334	18.981	23.782
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	f3 schp	0.011	3.034	0.016	3.034
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	102P	0.009	3.165	3.242	4.530
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	EW P	0.223	15.829	17.757	23.789
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	T1	0.210	15.830	17.757	23.789
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	T2	0.195	15.830	17.757	23.790
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	T3	0.074	14.329	18.998	23.796
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 1	2-Parts	f1 schp	0.007	1.500	0.009	1.500
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 1	2-Parts	42P	0.007	1.500	0.009	1.500
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 1	2-Parts	72P	0.003	1.490	0.007	1.490
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	f2 schp	0.076	14.333	18.999	23.799
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	f3 schp	0.008	1.497	0.008	1.497
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	102P	-0.057	3.539	3.247	4.803
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	EW P	-0.187	17.407	17.772	24.878
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	T1	-0.175	17.279	17.771	24.787
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	T2	-0.161	17.125	17.770	24.679
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 1	2-Parts	f1 schp	-0.060	14.382	19.005	23.809
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 1	2-Parts	42P	-0.052	14.382	19.005	23.809
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 2	2-Parts	f2 schp	-0.052	14.382	19.005	23.809
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	72P	-0.012	3.136	0.015	3.136
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	f3 schp	-0.059	14.343	19.004	23.809
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	102P	-0.012	2.984	0.016	2.984
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	EW P	-0.002	3.164	3.243	4.531
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	T1	-0.232	15.847	17.762	23.805
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	T2	-0.220	15.846	17.762	23.804
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	T3	-0.205	15.846	17.762	23.804
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	f1 schp	-0.077	1.514	0.009	1.514
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	42P	-0.076	14.353	19.004	23.816
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 2	2-Parts	f2 schp	-0.007	1.493	0.007	1.493
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	72P	-0.007	1.493	0.007	1.493
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	f3 schp	-0.079	14.336	19.003	23.805
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	102P	-0.008	1.510	0.009	1.510
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	EW P	0.006	2.536	3.249	4.121
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	T1	-0.004	13.041	17.765	22.038
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	T2	-0.003	13.250	17.764	22.161
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	T3	-0.003	13.250	17.764	22.161
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	f1 schp	-0.001	14.325	19.026	23.815
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	42P	-0.001	-1.608	-0.011	1.608
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 2	2-Parts	f2 schp	-0.001	14.349	19.022	23.827
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	72P	0.000	-1.406	-0.008	1.406
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	f3 schp	-0.001	14.336	19.019	23.817
BP-25-3	RA2+1.tow	SelS 6a C & M ZIII WLA,T NR-	iso 3	2-Parts	102P	0.000	-1.119	-0.007	1.119



BP-25-3	RA2+1.tow	Sels 6a C & M ZIIII WR -45,T Bi-	gw Suspension	EWP	0.037	2.829	3.246	4.306
BP-25-3	RA2+1.tow	Sels 6a C & M ZIIII WR -45,T Bi-	T1_E Suspension	T1	-0.153	14.346	17.767	22.837
BP-25-3	RA2+1.tow	Sels 6a C & M ZIIII WR -45,T Bi-	T2_E Suspension	T2	-0.146	14.460	17.766	22.908
BP-25-3	RA2+1.tow	Sels 6a C & M ZIIII WR -45,T Bi-	T3_E Suspension	T3	-0.138	14.597	17.765	22.994
BP-25-3	RA2+1.tow	Sels 6a C & M ZIIII WR -45,T Bi-	iso 1 2-Parts	f1 schp	-0.053	14.331	19.019	23.814
BP-25-3	RA2+1.tow	Sels 6a C & M ZIIII WR -45,T Bi-	iso 2 2-Parts	42P	-0.051	14.254	19.001	23.824
BP-25-3	RA2+1.tow	Sels 6a C & M ZIIII WR -45,T Bi-	iso 3 2-Parts	f2 schp	-0.051	14.254	19.001	23.824
BP-25-3	RA2+1.tow	Sels 6a C & M ZIIII WR -45,T Bi-	iso 1 2-Parts	72P	-0.051	14.254	19.001	23.824
BP-25-3	RA2+1.tow	Sels 6a C & M ZIIII WR -45,T Bi-	iso 2 2-Parts	f3 schp	-0.062	14.335	19.015	23.813
BP-25-3	RA2+1.tow	Sels 6a C & M ZIIII WR -45,T Bi-	iso 3 2-Parts	102P	-0.000	0.059	0.000	0.059
BP-25-3	RA2+1.tow	Sels 6a C & M ZIIII WR -45,T Bi-	gw Suspension	EWP	0.022	2.829	3.241	4.302
BP-25-3	RA2+1.tow	Sels 6a C & M ZIIII WR -45,T Bi-	T1_E Suspension	T1	0.148	14.362	17.751	22.834
BP-25-3	RA2+1.tow	Sels 6a C & M ZIIII WR -45,T Bi-	T2_E Suspension	T2	0.141	14.476	17.751	22.906
BP-25-3	RA2+1.tow	Sels 6a C & M ZIIII WR -45,T Bi-	T3_E Suspension	T3	0.132	14.614	17.752	22.994
BP-25-3	RA2+1.tow	Sels 6a C & M ZIIII WR -45,T Bi-	iso 1 2-Parts	f1 schp	0.031	14.318	19.002	23.813
BP-25-3	RA2+1.tow	Sels 6a C & M ZIIII WR -45,T Bi-	iso 2 2-Parts	f2 schp	0.054	14.342	19.002	23.807
BP-25-3	RA2+1.tow	Sels 6a C & M ZIIII WR -45,T Bi-	iso 3 2-Parts	72P	-0.000	-0.083	-0.000	0.083
BP-25-3	RA2+1.tow	Sels 6a C & M ZIIII WR -45,T Bi-	iso 1 2-Parts	f3 schp	0.060	14.325	19.002	23.797
BP-25-3	RA2+1.tow	Sels 6a C & M ZIIII WR -45,T Bi-	iso 2 2-Parts	102P	0.000	0.086	0.001	0.086
BP-25-8	RA1+2.tow	10°C,T Global	gw Suspension	EWP	-0.000	1.902	3.735	4.191
BP-25-8	RA1+2.tow	10°C,T Global	T1_E Suspension	T1	-0.001	8.550	20.121	21.862
BP-25-8	RA1+2.tow	10°C,T Global	T2_E Suspension	T2	-0.001	8.550	20.121	21.862
BP-25-8	RA1+2.tow	10°C,T Global	T3_E Suspension	T3	-0.001	8.550	20.121	21.862
BP-25-8	RA1+2.tow	10°C,T Global	iso 1 2-Parts	f1 schp	-0.000	16.010	21.447	26.763
BP-25-8	RA1+2.tow	10°C,T Global	iso 1 2-Parts	42P	0.000	-7.460	-0.076	7.460
BP-25-8	RA1+2.tow	10°C,T Global	iso 2 2-Parts	f2 schp	-0.000	16.053	21.436	26.780
BP-25-8	RA1+2.tow	10°C,T Global	iso 3 2-Parts	72P	-0.000	-7.503	-0.065	7.504
BP-25-8	RA1+2.tow	10°C,T Global	iso 1 2-Parts	f3 schp	-0.000	16.080	21.429	26.792
BP-25-8	RA1+2.tow	10°C,T Global	iso 2 2-Parts	102P	0.000	-7.531	-0.059	7.531
BP-25-8	RA1+2.tow	10°C,T Global	gw Suspension	EWP	0.802	11.697	4.770	12.648
BP-25-8	RA1+2.tow	10°C,T Global	T1_E Suspension	T1	0.362	24.154	24.154	48.303
BP-25-8	RA1+2.tow	10°C,T Global	T2_E Suspension	T2	0.472	36.954	24.325	48.303
BP-25-8	RA1+2.tow	10°C,T Global	T3_E Suspension	T3	0.447	36.056	24.384	43.530
BP-25-8	RA1+2.tow	10°C,T Global	iso 1 2-Parts	f1 schp	0.124	19.327	25.767	32.210
BP-25-8	RA1+2.tow	10°C,T Global	iso 1 2-Parts	42P	0.147	24.640	0.194	24.641
BP-25-8	RA1+2.tow	10°C,T Global	iso 2 2-Parts	f2 schp	0.132	19.337	25.761	32.211
BP-25-8	RA1+2.tow	10°C,T Global	iso 3 2-Parts	72P	0.132	22.019	0.165	22.020
BP-25-8	RA1+2.tow	10°C,T Global	iso 1 2-Parts	f3 schp	0.133	19.333	25.742	32.194
BP-25-8	RA1+2.tow	10°C,T Global	iso 2 2-Parts	102P	0.115	18.959	0.142	18.960
BP-25-8	RA1+2.tow	10°C,T Global	gw Suspension	EWP	0.106	11.697	5.376	12.648
BP-25-8	RA1+2.tow	10°C,T Global	T1_E Suspension	T1	-0.172	-12.333	24.387	25.951
BP-25-8	RA1+2.tow	10°C,T Global	T2_E Suspension	T2	-0.153	-10.931	24.353	26.694
BP-25-8	RA1+2.tow	10°C,T Global	T3_E Suspension	T3	-0.127	-9.199	24.315	25.997
BP-25-8	RA1+2.tow	10°C,T Global	iso 1 2-Parts	f1 schp	-0.365	19.492	26.415	32.830
BP-25-8	RA1+2.tow	10°C,T Global	iso 1 2-Parts	42P	0.444	-34.380	-0.529	34.387
BP-25-8	RA1+2.tow	10°C,T Global	iso 2 2-Parts	f2 schp	-0.221	19.561	26.175	32.677
BP-25-8	RA1+2.tow	10°C,T Global	iso 3 2-Parts	72P	0.280	-32.874	-0.322	32.877
BP-25-8	RA1+2.tow	10°C,T Global	iso 1 2-Parts	f3 schp	-0.121	19.610	25.931	32.512
BP-25-8	RA1+2.tow	10°C,T Global	iso 2 2-Parts	102P	0.133	18.959	0.142	18.960
BP-25-8	RA1+2.tow	10°C,T Global	gw Suspension	EWP	0.362	24.154	24.154	48.303
BP-25-8	RA1+2.tow	10°C,T Global	T1_E Suspension	T1	0.472	36.954	24.325	48.303
BP-25-8	RA1+2.tow	10°C,T Global	T2_E Suspension	T2	0.030	41.431	24.472	48.119
BP-25-8	RA1+2.tow	10°C,T Global	T3_E Suspension	T3	0.041	38.944	24.436	45.576
BP-25-8	RA1+2.tow	10°C,T Global	iso 1 2-Parts	f1 schp	0.056	36.028	24.354	43.510
BP-25-8	RA1+2.tow	10°C,T Global	iso 1 2-Parts	42P	0.003	19.336	25.778	32.224
BP-25-8	RA1+2.tow	10°C,T Global	iso 2 2-Parts	f2 schp	0.012	19.345	25.771	32.224
BP-25-8	RA1+2.tow	10°C,T Global	iso 3 2-Parts	72P	0.011	21.981	0.164	21.982
BP-25-8	RA1+2.tow	10°C,T Global	iso 1 2-Parts	f3 schp	0.016	18.959	0.142	18.960
BP-25-8	RA1+2.tow	10°C,T Global	iso 2 2-Parts	102P	0.013	18.924	0.142	18.926
BP-25-8	RA1+2.tow	10°C,T Global	gw Suspension	EWP	0.215	-3.330	4.771	5.922
BP-25-8	RA1+2.tow	10°C,T Global	T1_E Suspension	T1	0.134	-12.381	24.374	27.339
BP-25-8	RA1+2.tow	10°C,T Global	T2_E Suspension	T2	0.130	-10.928	24.341	26.682
BP-25-8	RA1+2.tow	10°C,T Global	T3_E Suspension	T3	0.126	-9.186	24.305	25.986
BP-25-8	RA1+2.tow	10°C,T Global	iso 1 2-Parts	f1 schp	0.032	19.485	26.405	32.816
BP-25-8	RA1+2.tow	10°C,T Global	iso 1 2-Parts	42P	-0.110	-34.370	-0.531	34.374
BP-25-8	RA1+2.tow	10°C,T Global	iso 2 2-Parts	f2 schp	0.087	19.553	26.165	32.664
BP-25-8	RA1+2.tow	10°C,T Global	iso 3 2-Parts	72P	0.114	-19.553	-0.164	19.553
BP-25-8	RA1+2.tow	10°C,T Global	iso 1 2-Parts	f3 schp	-0.114	-19.553	-0.164	19.553
BP-25-8	RA1+2.tow	10°C,T Global	iso 2 2-Parts	102P	-0.122	-19.602	-0.164	19.602
BP-25-8	RA1+2.tow	10°C,T Global	gw Suspension	EWP	-0.189	-31.034	-0.117	31.035
BP-25-8	RA1+2.tow	10°C,T Global	T1_E Suspension	T1	0.535	11.730	4.774	12.675
BP-25-8	RA1+2.tow	10°C,T Global	T2_E Suspension	T2	0.271	41.601	24.469	48.265
BP-25-8	RA1+2.tow	10°C,T Global	T3_E Suspension	T3	0.261	39.102	24.433	46.108
BP-25-8	RA1+2.tow	10°C,T Global	iso 1 2-Parts	f1 schp	0.254	36.171	24.391	43.627



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BP-25-8	RAI-2, tow	ULS 15Yr 1a W ZIII WL 45,T BI-	iso 3	2-Parts	102P	-0.849	-21.397	-0.164	21.414
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI+	9W Suspension		EW P	0.431	8.786	7.735	11.713
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI+	T1_E Suspension		T1	0.171	30.457	35.584	46.839
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI+	T2_E Suspension		T2	0.161	29.238	35.573	46.047
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI+	T3_E Suspension		T3	0.151	27.813	35.560	45.145
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI+	iso 1	2-Parts	fl schp	0.065	27.772	37.039	46.142
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI+	iso 2	2-Parts	f1 schp	0.071	27.607	37.049	46.142
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI+	iso 2	2-Parts	f2 schp	0.071	27.607	37.047	46.202
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI+	iso 2	2-Parts	72P	0.006	2.351	0.025	2.351
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI+	iso 3	2-Parts	f3 schp	0.071	27.592	37.050	46.195
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI+	iso 3	2-Parts	102P	0.002	0.897	0.010	0.897
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI+	9W Suspension		EW P	0.360	-0.286	7.734	7.748
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	T1_E Suspension		T1	0.010	1.288	35.528	35.551
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	T2_E Suspension		T2	0.013	2.213	35.520	35.589
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	T3_E Suspension		T3	0.017	3.117	35.511	35.602
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 1	2-Parts	fl schp	-0.017	27.449	35.572	45.592
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 1	2-Parts	42P	-0.008	-26.919	-0.545	26.924
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 2	2-Parts	f2 schp	0.010	27.627	37.423	46.516
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 2	2-Parts	72P	-0.011	-26.134	-0.403	26.137
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 3	2-Parts	f3 schp	0.012	27.745	37.310	46.496
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 3	2-Parts	102P	-0.009	-25.104	-0.298	25.106
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	9W Suspension		EW P	0.220	8.782	7.737	11.706
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	T1_E Suspension		T1	0.040	30.483	35.590	46.834
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	T2_E Suspension		T2	0.042	27.265	35.565	46.042
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	T3_E Suspension		T3	0.069	35.514	35.548	46.082
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 1	2-Parts	fl schp	0.013	27.477	37.041	46.120
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 1	2-Parts	42P	0.002	3.723	0.049	3.724
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 2	2-Parts	f2 schp	0.019	27.611	37.053	46.209
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 2	2-Parts	72P	0.001	2.334	0.025	2.334
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 3	2-Parts	f3 schp	0.020	27.585	37.055	46.202
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 3	2-Parts	102P	0.001	0.881	0.010	0.881
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	9W Suspension		EW P	0.208	-0.284	7.732	7.740
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	T1_E Suspension		T1	0.069	35.514	35.548	46.082
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	T2_E Suspension		T2	0.069	35.514	35.548	46.082
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	T3_E Suspension		T3	0.070	3.323	35.507	35.562
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 1	2-Parts	fl schp	0.046	27.445	37.566	46.524
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 1	2-Parts	42P	-0.048	-26.909	-0.545	26.914
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 2	2-Parts	f2 schp	0.053	27.622	37.417	46.508
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 2	2-Parts	72P	-0.049	-26.124	-0.403	26.127
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 3	2-Parts	f3 schp	0.057	27.741	37.305	46.489
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 3	2-Parts	102P	-0.050	-25.094	-0.298	25.096
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	9W Suspension		EW P	0.162	30.526	35.588	46.862
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	T1_E Suspension		T1	0.102	29.302	35.576	46.090
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	T2_E Suspension		T2	0.098	27.869	35.563	45.182
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	T3_E Suspension		T3	0.039	27.475	37.038	46.116
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 1	2-Parts	fl schp	0.006	3.810	0.050	3.811
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 1	2-Parts	42P	0.045	27.609	37.050	46.206
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 2	2-Parts	f2 schp	0.004	2.414	0.026	2.414
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 2	2-Parts	72P	0.046	27.593	37.052	46.198
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 3	2-Parts	f3 schp	0.041	2.414	0.026	2.414
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 3	2-Parts	102P	0.041	2.414	0.026	2.414
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	9W Suspension		EW P	0.581	6.149	7.667	9.952
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	T1_E Suspension		T1	0.545	22.526	35.502	42.049
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	T2_E Suspension		T2	0.510	21.940	35.500	41.736
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	T3_E Suspension		T3	0.470	21.254	35.458	41.377
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 1	2-Parts	fl schp	0.245	27.461	37.062	46.128
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 1	2-Parts	42P	-0.038	-4.389	-0.060	4.399
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 2	2-Parts	f2 schp	0.251	27.595	37.057	46.204
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 2	2-Parts	72P	-0.046	-5.144	-0.057	5.145
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 3	2-Parts	f3 schp	0.045	2.414	0.026	2.414
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 3	2-Parts	102P	-0.057	-5.866	-0.066	5.867
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	9W Suspension		EW P	0.162	3.688	8.392	8.492
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	T1_E Suspension		T1	0.582	14.792	35.483	38.447
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	T2_E Suspension		T2	0.555	14.792	35.483	38.447
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	T3_E Suspension		T3	0.523	14.792	35.484	38.447
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 1	2-Parts	fl schp	0.313	27.423	37.482	46.202
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 1	2-Parts	42P	-0.138	-12.632	-0.199	12.634
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 2	2-Parts	f2 schp	0.316	27.534	37.154	46.246
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 2	2-Parts	72P	-0.138	-12.632	-0.199	12.634
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 3	2-Parts	f3 schp	0.313	27.534	37.154	46.246
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	iso 3	2-Parts	102P	-0.138	-12.632	-0.199	12.634
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	9W Suspension		EW P	0.284	6.122	7.684	9.929
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	T1_E Suspension		T1	-0.431	22.438	35.547	42.038
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	T2_E Suspension		T2	-0.398	21.857	35.541	41.726
BP-25-8	RAI-2, tow	ULS 15Yr 3 W + I ZIII WBL,T NI-	T3_E Suspension		T3	-0.361	21.175	35.535	41.367

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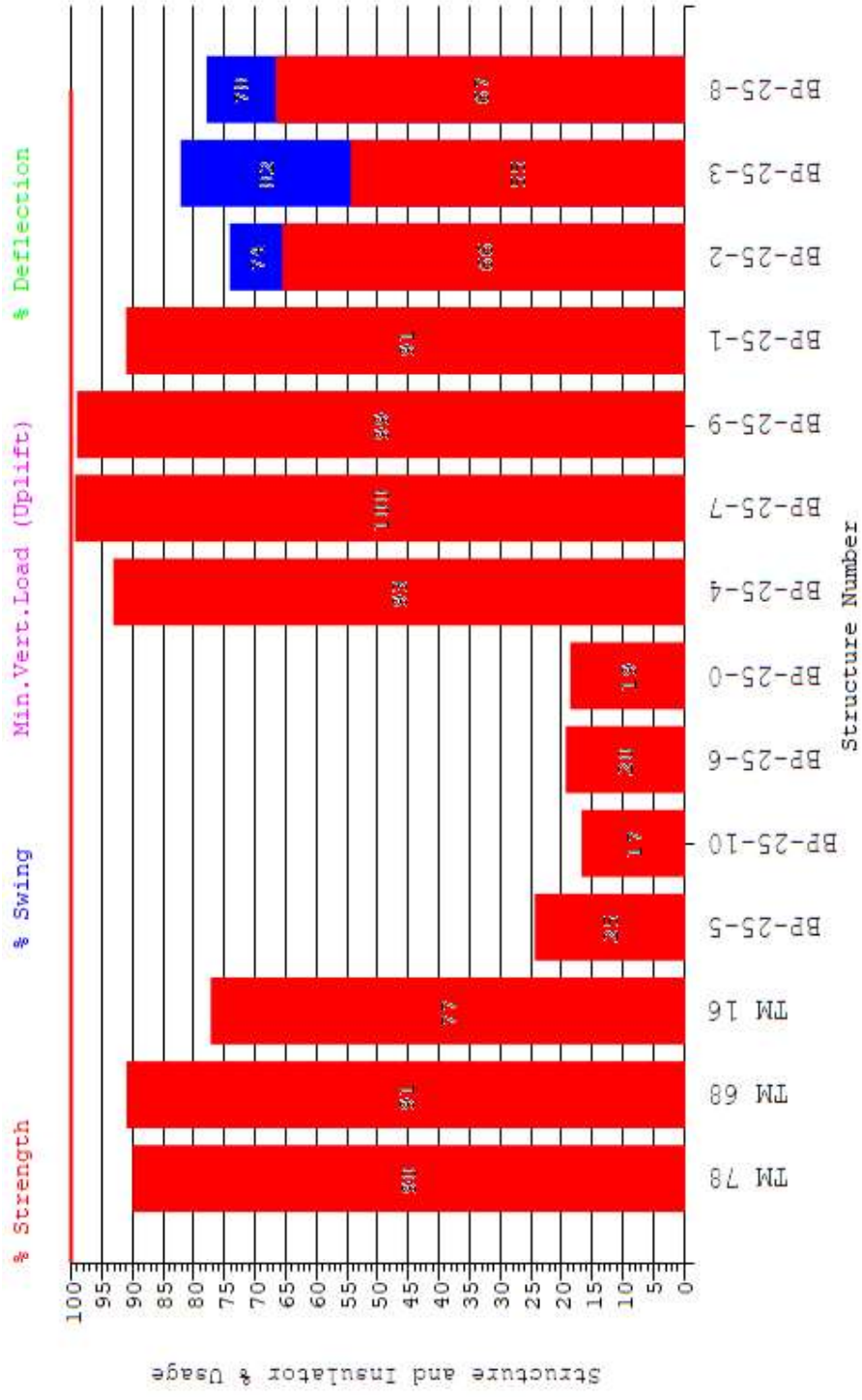
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BP-25-8	RA1+2.tow	Sels 6a C & M ZIII WR_45,T BI-	iso 1	2-Parts	f1 schp	0.061	16.005	21.473	26.781
BP-25-8	RA1+2.tow	Sels 6a C & M ZIII WR_45,T BI-	iso 1	2-Parts	42P	-0.032	-9.289	-0.101	9.290
BP-25-8	RA1+2.tow	Sels 6a C & M ZIII WR_45,T BI-	iso 2	2-Parts	f2 schp	0.059	16.085	21.455	26.797
BP-25-8	RA1+2.tow	Sels 6a C & M ZIII WR_45,T BI-	iso 2	2-Parts	72P	-0.032	-9.201	-0.083	9.201
BP-25-8	RA1+2.tow	Sels 6a C & M ZIII WR_45,T BI-	iso 3	2-Parts	f3 schp	0.062	16.009	21.444	26.809
BP-25-8	RA1+2.tow	Sels 6a C & M ZIII WR_45,T BI-	iso 3	2-Parts	102P	-0.035	-9.070	-0.071	9.071

Detailed Angle Member Upgrading Report for Structure Range

Str. No.	Structure Label	Group	Angle Type	Angle Size	Length (m)	Angle Weight (N)	Steel Bolt Type	Number of Bolts	Max. Usage	Comp. Usage	Comp. Load Case	Design Comp. Case Capacity (kN)	Comp. Control Criterion	Tens. Usage	Tens. Load Case Capacity (kN)	Design Tension Control Criterion





About DNV

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Whether assessing a new ship design, optimizing the performance of a wind farm, analyzing sensor data from a gas pipeline or certifying a food company's supply chain, DNV enables its customers and their stakeholders to make critical decisions with confidence.

Driven by its purpose, to safeguard life, property, and the environment, DNV helps tackle the challenges and global transformations facing its customers and the world today and is a trusted voice for many of the world's most successful and forward-thinking companies.