

Supplementary Table S1. Significance test for winter survival traits in St. Augustinegrass Raleigh selfing population evaluated in 2021, 2022, and 2023 field trials at the Upper Mountain Research Station (Jackson Springs, NC).

	PGC21			UPGC21			FC21			WI21			WK21		
	Sum of Sq	Wald stat	<i>p</i> -value	Sum of Sq	Wald stat	<i>p</i> -value	Sum of Sq	Wald stat	<i>p</i> -value	Sum of Sq	Wald stat	<i>p</i> -value	Sum of Sq	Wald stat	<i>p</i> -value
Intercept	70,442.28	2,415.70	***	39,619.89	350.12	***	2,698.91	4,541.85	***	130,968.46	220.54	***	1,925.74	425.16	***
Rep	301.70	10.35	**	1,661.63	14.68	***	17.05	28.69	***	7,842.90	13.21	***	59.68	13.18	***
Genotype	20,174.34	691.85	***	75,077.78	663.45	***	368.75	620.55	***	459,789.26	774.23	***	3,406.32	752.04	***
	PGC22			UPGC22			FC22			WI22			WK22		
	Sum of Sq	Wald stat	<i>p</i> -value	Sum of Sq	Wald stat	<i>p</i> -value	Sum of Sq	Wald stat	<i>p</i> -value	Sum of Sq	Wald stat	<i>p</i> -value	Sum of Sq	Wald stat	<i>p</i> -value
Intercept	84,229.46	3,069.06	***	127,117.16	848.66	***	2,139.56	2,411.36	***	3,425,951.02	4,933.11	***	24,443.90	14,107.62	***
Rep	90.77	3.31	NS	1,496.25	9.99	**	7.49	8.44	**	17,509.92	25.21	***	40.77	23.53	***
Genotype	18,662.41	680.00	***	63,406.15	423.31	***	882.80	994.95	***	162,852.11	234.49	**	392.14	226.32	*
	PGC23			UPGC23			FC23			WI23			WK23		
	Sum of Sq	Wald stat	<i>p</i> -value	Sum of Sq	Wald stat	<i>p</i> -value	Sum of Sq	Wald stat	<i>p</i> -value	Sum of Sq	Wald stat	<i>p</i> -value	Sum of Sq	Wald stat	<i>p</i> -value
Intercept	204,749.00	2,624.08	***	99,985.75	462.39	***	2,480.46	2,144.44	***	1,764,982.58	11,946.35	***	16,908.35	45,442.17	***
Rep	1,195.00	15.32	***	642.13	2.97	NS	7.06	6.10	*	2,229.31	15.09	***	5.57	14.97	***
Genotype	52,832.00	677.09	***	239,249.79	1,106.42	***	768.78	664.63	***	100,304.00	678.91	***	260.95	701.33	***
	Antho23														
	Sum of Sq	Wald stat	<i>p</i> -value												
Intercept	2,797.99	5,034.50	***												
Rep	33.96	61.11	***												
Genotype	427.88	769.90	***												

***, **, and *, indicate significant at 0.001, 0.01, and 0.05 probability levels, respectively.