

Table S1. The control and deficiencies used for the mapping, and their location, size, and mean survival rate from eggs to adults with standard deviation in parentheses.

Chromosome	Deficiency strain	Region	Deletion size (bp)	Female		Male	
				23°C	28°C	23°C	28°C
-	DSK001	-	0	0.58 (0.15)	0.18 (0.06)	0.51 (0.18)	0.18 (0.12)
2L	Df(2L)ED3	35B2 - 35D1	843185	0.44 (0.23)	0.18 (0.11)	0.31 (0.24)	0.26 (0.20)
	Df(2L)ED21	21B3 - 21B7	125158	0.36 (0.19)	0.17 (0.05)	0.62 (0.20)	0.12 (0.10)
	Df(2L)ED40	21D1 - 21D2	9980	0.58 (0.13)	0.51 (0.09)	0.52 (0.12)	0.53 (0.08)
	Df(2L)ED49	1A1 - 100E1	19888	0.58 (0.18)	0.26 (0.16)	0.60 (0.19)	0.46 (0.20)
	Df(2L)ED87	21E2 - 21E2	284732	0.58 (0.14)	0.46 (0.22)	0.53 (0.20)	0.37 (0.08)
	Df(2L)ED94	21E2 - 21E3	468874	0.53 (0.21)	0.12 (0.05)	0.47 (0.21)	0.06 (0.05)
	Df(2L)ED105	21E2 - 22A1	567674	0.38 (0.10)	0.31 (0.17)	0.37 (0.11)	0.25 (0.10)
	Df(2L)ED108	21F1 - 22A1	301394	0.79 (0.18)	0.43 (0.13)	0.02 (0.04)	0.00 (0.00)
	Df(2L)ED122	22B1 - 22D4	494297	0.37 (0.15)	0.10 (0.04)	0.38 (0.13)	0.10 (0.05)
	Df(2L)ED123	22B8 - 22D4	236161	0.49 (0.25)	0.43 (0.12)	0.47 (0.09)	0.33 (0.15)
	Df(2L)ED124	22D3 - 22D4	23445	0.54 (0.06)	0.28 (0.14)	0.48 (0.12)	0.23 (0.12)
	Df(2L)ED125	22B2 - 22D4	484626	0.36 (0.12)	0.19 (0.07)	0.46 (0.15)	0.19 (0.10)
	Df(2L)ED132	23A3 - 23A3	106	0.63 (0.14)	0.71 (0.15)	0.63 (0.13)	0.51 (0.14)
	Df(2L)ED136	22F4 - 23A3	260190	0.69 (0.26)	0.38 (0.10)	0.51 (0.19)	0.35 (0.15)
	Df(2L)ED206	23B8 - 23C5	181763	0.65 (0.29)	0.43 (0.15)	0.62 (0.10)	0.34 (0.10)
	Df(2L)ED216	23B8 - 23C5	181892	0.64 (0.06)	0.22 (0.07)	0.67 (0.08)	0.23 (0.06)
	Df(2L)ED234	23C4 - 24A2	632936	0.36 (0.30)	0.44 (0.20)	0.41 (0.24)	0.40 (0.10)
	Df(2L)ED243	24A2 - 24A4	24683	0.58 (0.08)	0.36 (0.08)	0.51 (0.16)	0.37 (0.21)
	Df(2L)ED247	24A2 - 24C3	138959	0.38 (0.14)	0.02 (0.04)	0.44 (0.12)	0.09 (0.05)
	Df(2L)ED250	24F4 - 25A7	344209	0.80 (0.19)	0.46 (0.23)	0.77 (0.32)	0.34 (0.15)
	Df(2L)ED256	25B1 - 25B10	108097	0.42 (0.17)	0.29 (0.14)	0.42 (0.25)	0.31 (0.19)
	Df(2L)ED270	25F2 - 25F5	141567	0.40 (0.14)	0.30 (0.13)	0.55 (0.13)	0.28 (0.08)
	Df(2L)ED279	25F2 - 26A1	248827	0.46 (0.12)	0.19 (0.09)	0.56 (0.23)	0.22 (0.11)
	Df(2L)ED280	25F5 - 26A1	105526	0.76 (0.17)	0.47 (0.24)	0.52 (0.06)	0.34 (0.15)
	Df(2L)ED284	25F2 - 26A3	285333	0.74 (0.18)	0.35 (0.02)	0.64 (0.14)	0.23 (0.11)
	Df(2L)ED285	25F5 - 26A3	142032	0.74 (0.13)	0.30 (0.17)	0.66 (0.10)	0.28 (0.15)
	Df(2L)ED292	25F5 - 26B2	179079	0.40 (0.19)	0.14 (0.14)	0.47 (0.14)	0.10 (0.05)
	Df(2L)ED299	26B1 - 26B2	2194	0.24 (0.18)	0.07 (0.05)	0.20 (0.20)	0.03 (0.03)
	Df(2L)ED330	26A3 - 26B2	55750	0.35 (0.13)	0.18 (0.11)	0.42 (0.11)	0.23 (0.18)
	Df(2L)ED331	26B2 - 26B2	18588	0.84 (0.26)	0.70 (0.14)	0.01 (0.02)	0.01 (0.02)
	Df(2L)ED334	25F2 - 26B2	341038	0.38 (0.18)	0.20 (0.15)	0.43 (0.21)	0.10 (0.06)
	Df(2L)ED343	26B2 - 26B5	82250	0.49 (0.16)	0.11 (0.11)	0.62 (0.30)	0.20 (0.15)
	Df(2L)ED347	25F5 - 26B5	280456	0.40 (0.16)	0.26 (0.11)	0.42 (0.14)	0.19 (0.15)
	Df(2L)ED353	26B2 - 26B5	83109	0.38 (0.14)	0.40 (0.18)	0.29 (0.24)	0.32 (0.20)
	Df(2L)ED354	26B1 - 26B5	102961	0.06 (0.06)	0.18 (0.20)	0.05 (0.07)	0.23 (0.15)
	Df(2L)ED369	26C3 - 26D1	72246	0.67 (0.17)	0.19 (0.10)	0.55 (0.16)	0.28 (0.15)
	Df(2L)ED371	26C3 - 26D1	73530	0.60 (0.17)	0.22 (0.16)	0.70 (0.13)	0.22 (0.08)
	Df(2L)ED373	26B2 - 26D1	430254	0.06 (0.02)	0.18 (0.08)	0.07 (0.08)	0.15 (0.13)
	Df(2L)ED374	26B10 - 26D1	232319	0.62 (0.23)	0.41 (0.09)	0.00 (0.01)	0.00 (0.00)
	Df(2L)ED384	26B2 - 26D7	465648	0.22 (0.28)	0.08 (0.07)	0.16 (0.23)	0.02 (0.04)
	Df(2L)ED385	26B1 - 26D7	485500	0.66 (0.15)	0.23 (0.12)	0.47 (0.08)	0.19 (0.09)
	Df(2L)ED438	27D1 - 27D4	52278	0.62 (0.26)	0.36 (0.12)	0.58 (0.10)	0.38 (0.25)
	Df(2L)ED440	27D3 - 27E1	74563	0.28 (0.10)	0.11 (0.05)	0.28 (0.16)	0.16 (0.10)
	Df(2L)ED463	27F4 - 27F7	661	0.78 (0.17)	0.48 (0.21)	0.77 (0.19)	0.27 (0.09)
	Df(2L)ED478	27F7 - 28B1	139196	0.72 (0.19)	0.58 (0.27)	0.77 (0.22)	0.54 (0.09)
	Df(2L)ED494	27F4 - 28B1	153371	0.58 (0.13)	0.25 (0.10)	0.50 (0.20)	0.32 (0.14)
	Df(2L)ED496	28C4 - 28C4	9590	0.84 (0.17)	0.54 (0.19)	0.74 (0.29)	0.58 (0.25)
	Df(2L)ED501	27F7 - 28C4	376256	0.59 (0.23)	0.15 (0.11)	0.57 (0.24)	0.31 (0.30)
	Df(2L)ED502	28C1 - 28C4	122088	0.62 (0.15)	0.55 (0.12)	0.61 (0.22)	0.46 (0.09)
	Df(2L)ED508	28B1 - 28C4	223552	0.17 (0.08)	0.47 (0.21)	0.26 (0.18)	0.34 (0.21)
	Df(2L)ED517	27F7 - 28D2	447744	0.46 (0.08)	0.07 (0.06)	0.34 (0.12)	0.18 (0.09)
	Df(2L)ED548	28E1 - 28E9	91467	0.72 (0.17)	0.35 (0.19)	0.65 (0.09)	0.29 (0.15)
	Df(2L)ED573	28F1 - 29A2	95377	0.45 (0.10)	0.52 (0.20)	0.54 (0.16)	0.38 (0.23)
	Df(2L)ED578	28F1 - 29A3	103066	0.38 (0.07)	0.19 (0.15)	0.41 (0.21)	0.18 (0.05)
	Df(2L)ED611	29B4 - 29C3	36967	0.60 (0.16)	0.38 (0.15)	0.58 (0.14)	0.30 (0.09)
	Df(2L)ED623	29C1 - 29E4	296560	0.60 (0.21)	0.43 (0.18)	0.56 (0.27)	0.31 (0.11)
	Df(2L)ED629	29B4 - 29E4	317273	0.63 (0.10)	0.42 (0.10)	0.69 (0.23)	0.58 (0.18)
	Df(2L)ED630	29C3 - 29E4	278827	0.46 (0.08)	0.31 (0.10)	0.35 (0.10)	0.21 (0.09)
	Df(2L)ED632	29E1 - 29E4	156152	0.52 (0.24)	0.30 (0.10)	0.38 (0.13)	0.17 (0.06)
	Df(2L)ED647	29E1 - 29F5	414176	0.38 (0.15)	0.18 (0.12)	0.37 (0.12)	0.18 (0.07)
	Df(2L)ED659	29E1 - 30A3	646785	0.63 (0.14)	0.39 (0.16)	0.52 (0.07)	0.37 (0.19)
	Df(2L)ED673	30A4 - 30B3	226380	0.49 (0.15)	0.20 (0.06)	0.46 (0.18)	0.14 (0.10)
	Df(2L)ED677	30B3 - 30B12	144271	0.42 (0.17)	0.33 (0.16)	0.49 (0.27)	0.32 (0.20)
	Df(2L)ED678	29F5 - 30B12	623585	0.58 (0.08)	0.49 (0.19)	0.65 (0.17)	0.42 (0.13)
	Df(2L)ED679	30B12 - 30B12	10552	0.52 (0.15)	0.26 (0.24)	0.63 (0.11)	0.37 (0.30)
	Df(2L)ED680	30A4 - 30B12	376664	0.56 (0.35)	0.24 (0.07)	0.41 (0.10)	0.20 (0.07)
	Df(2L)ED684	30B12 - 30C1	42145	0.62 (0.16)	0.30 (0.12)	0.57 (0.05)	0.18 (0.09)
	Df(2L)ED690	30B3 - 30E4	480705	0.26 (0.15)	0.14 (0.05)	0.23 (0.12)	0.14 (0.07)
	Df(2L)ED692	30B12 - 30E4	346986	0.52 (0.22)	0.11 (0.05)	0.40 (0.20)	0.10 (0.05)
	Df(2L)ED695	30C5 - 30E4	218967	0.66 (0.18)	0.43 (0.09)	0.76 (0.19)	0.41 (0.16)
	Df(2L)ED697	30C1 - 30E4	301348	0.57 (0.15)	0.29 (0.10)	0.54 (0.05)	0.41 (0.22)
	Df(2L)ED700	30E1 - 30E4	20668	0.58 (0.12)	0.20 (0.12)	0.58 (0.28)	0.12 (0.09)
	Df(2L)ED701	30C5 - 30F1	249119	0.50 (0.24)	0.19 (0.08)	0.44 (0.23)	0.10 (0.04)
	Df(2L)ED729	31B1 - 31D7	100900	0.45 (0.19)	0.12 (0.04)	0.30 (0.17)	0.09 (0.07)
	Df(2L)ED746	31F4 - 32A5	225931	0.88 (0.20)	0.14 (0.08)	0.76 (0.19)	0.11 (0.08)
	Df(2L)ED748	31B1 - 32A5	485690	0.71 (0.23)	0.13 (0.09)	0.87 (0.15)	0.09 (0.04)
	Df(2L)ED758	33C1 - 33E4	367471	0.45 (0.13)	0.23 (0.03)	0.49 (0.23)	0.36 (0.16)
	Df(2L)ED760	33B8 - 33E5	426429	0.44 (0.06)	0.22 (0.12)	0.49 (0.07)	0.12 (0.06)
	Df(2L)ED761	33A2 - 33E5	627604	0.42 (0.28)	0.10 (0.09)	0.44 (0.27)	0.14 (0.14)
	Df(2L)ED769	33E9 - 34A1	277041	0.48 (0.10)	0.14 (0.06)	0.42 (0.29)	0.22 (0.13)

Table S1. Continued.

Df(2L)ED771	33E4 - 34A1	388303	0.49 (0.13)	0.35 (0.19)	0.20 (0.03)	0.25 (0.11)
Df(2L)ED773	33E9 - 34A3	429228	0.60 (0.30)	0.27 (0.18)	0.56 (0.16)	0.27 (0.17)
Df(2L)ED774	34A3 - 34A3	683	0.38 (0.10)	0.34 (0.15)	0.30 (0.04)	0.32 (0.10)
Df(2L)ED775	33B8 - 34A3	965018	0.50 (0.18)	0.19 (0.12)	0.62 (0.21)	0.10 (0.13)
Df(2L)ED776	33E4 - 34A3	540490	0.42 (0.14)	0.43 (0.16)	0.40 (0.18)	0.41 (0.13)
Df(2L)ED777	33E7 - 34A3	490576	0.50 (0.24)	0.08 (0.09)	0.46 (0.32)	0.06 (0.07)
Df(2L)ED778	33E9 - 34A7	619745	0.53 (0.13)	0.34 (0.20)	0.42 (0.14)	0.26 (0.09)
Df(2L)ED779	34A3 - 34A7	191200	0.55 (0.15)	0.28 (0.14)	0.56 (0.16)	0.29 (0.11)
Df(2L)ED780	33E4 - 34A7	731007	0.58 (0.15)	0.13 (0.11)	0.50 (0.12)	0.12 (0.05)
Df(2L)ED784	34A4 - 34B6	327612	0.32 (0.27)	0.10 (0.08)	0.26 (0.23)	0.16 (0.16)
Df(2L)ED791	34E1 - 35B4	811156	0.41 (0.10)	0.19 (0.03)	0.42 (0.07)	0.12 (0.07)
Df(2L)ED793	34E4 - 35B4	754489	0.39 (0.05)	0.35 (0.11)	0.52 (0.26)	0.30 (0.13)
Df(2L)ED796	35C1 - 35C4	152111	0.50 (0.15)	0.26 (0.15)	0.50 (0.10)	0.30 (0.18)
Df(2L)ED929	21B3 - 21B3	18484	0.52 (0.22)	0.27 (0.11)	0.50 (0.13)	0.37 (0.26)
Df(2L)ED1000	35B8 - 35D1	336213	0.61 (0.25)	0.45 (0.17)	0.55 (0.24)	0.37 (0.12)
Df(2L)ED1004	35B10 - 35D1	272692	0.58 (0.10)	0.26 (0.08)	0.43 (0.16)	0.26 (0.15)
Df(2L)ED1050	35B8 - 35D4	765231	0.40 (0.13)	0.07 (0.10)	0.26 (0.15)	0.06 (0.06)
Df(2L)ED1054	35B10 - 35D4	701710	0.61 (0.16)	0.35 (0.17)	0.51 (0.10)	0.43 (0.11)
Df(2L)ED1056	35D2 - 35D4	284125	0.44 (0.29)	0.37 (0.20)	0.51 (0.30)	0.26 (0.11)
Df(2L)ED1092	35F12 - 36A10	329835	0.34 (0.16)	0.11 (0.04)	0.46 (0.08)	0.13 (0.05)
Df(2L)ED1102	35F12 - 36A10	334647	0.48 (0.12)	0.27 (0.26)	0.46 (0.15)	0.30 (0.20)
Df(2L)ED1109	36A3 - 36A10	164790	0.82 (0.12)	0.42 (0.16)	0.63 (0.16)	0.55 (0.11)
Df(2L)ED1143	36A10 - 36B1	106247	0.22 (0.13)	0.13 (0.05)	0.23 (0.15)	0.10 (0.05)
Df(2L)ED1153	35F12 - 36B2	502171	0.50 (0.19)	0.08 (0.06)	0.45 (0.17)	0.06 (0.05)
Df(2L)ED1158	36B1 - 36C9	658852	0.54 (0.19)	0.13 (0.09)	0.60 (0.18)	0.26 (0.13)
Df(2L)ED1161	36A10 - 36C9	788014	0.31 (0.10)	0.24 (0.07)	0.34 (0.12)	0.10 (0.07)
Df(2L)ED1164	36A10 - 36C9	787566	0.46 (0.23)	0.27 (0.19)	0.52 (0.19)	0.18 (0.05)
Df(2L)ED1165	36C1 - 36C9	360447	0.45 (0.32)	0.30 (0.11)	0.47 (0.24)	0.26 (0.09)
Df(2L)ED1175	36C1 - 36C10	383436	0.47 (0.16)	0.35 (0.11)	0.36 (0.08)	0.26 (0.09)
Df(2L)ED1183	36E6 - 36F7	465553	0.30 (0.06)	0.03 (0.03)	0.34 (0.07)	0.07 (0.07)
Df(2L)ED1186	36E6 - 37A2	581220	0.34 (0.22)	0.14 (0.07)	0.34 (0.11)	0.12 (0.12)
Df(2L)ED1187	36F7 - 37A2	115693	0.62 (0.04)	0.44 (0.10)	0.00 (0.00)	0.00 (0.00)
Df(2L)ED1196	36E6 - 37B1	671892	0.65 (0.15)	0.20 (0.12)	0.49 (0.09)	0.22 (0.14)
Df(2L)ED1198	36F7 - 37B1	206365	0.57 (0.16)	0.38 (0.06)	0.54 (0.06)	0.25 (0.08)
Df(2L)ED1200	44D8 - 45B4	155049	0.37 (0.13)	0.27 (0.16)	0.36 (0.12)	0.19 (0.09)
Df(2L)ED1202	37B1 - 37C5	334948	0.37 (0.21)	0.09 (0.09)	0.29 (0.17)	0.06 (0.07)
Df(2L)ED1226	37B9 - 37E3	460658	0.35 (0.15)	0.21 (0.11)	0.26 (0.10)	0.20 (0.07)
Df(2L)ED1231	37C5 - 37E3	305616	0.34 (0.16)	0.12 (0.07)	0.18 (0.13)	0.15 (0.05)
Df(2L)ED1236	37B9 - 37E4	483659	0.53 (0.14)	0.17 (0.09)	0.55 (0.16)	0.26 (0.13)
Df(2L)ED1238	37C1 - 37E4	357571	0.36 (0.18)	0.32 (0.14)	0.34 (0.18)	0.23 (0.15)
Df(2L)ED1242	37E5 - 37F1	15994	0.65 (0.03)	0.34 (0.17)	0.58 (0.13)	0.19 (0.08)
Df(2L)ED1243	37B9 - 37F1	524349	0.54 (0.10)	0.38 (0.13)	0.39 (0.10)	0.29 (0.09)
Df(2L)ED1245	37C1 - 37F1	398261	0.46 (0.13)	0.25 (0.07)	0.46 (0.18)	0.26 (0.05)
Df(2L)ED1250	37E5 - 37F1	24869	0.71 (0.09)	0.32 (0.13)	0.66 (0.13)	0.18 (0.17)
Df(2L)ED1251	37B9 - 37F1	533224	0.56 (0.22)	0.21 (0.09)	0.32 (0.07)	0.10 (0.07)
Df(2L)ED1272	37C5 - 38A2	594884	0.31 (0.19)	0.15 (0.04)	0.30 (0.11)	0.15 (0.10)
Df(2L)ED1303	37E5 - 38C6	864775	0.44 (0.17)	0.36 (0.29)	0.42 (0.17)	0.22 (0.09)
Df(2L)ED1305	38B4 - 38C6	296988	0.49 (0.16)	0.17 (0.10)	0.48 (0.13)	0.09 (0.03)
Df(2L)ED1315	38B4 - 38F5	832122	0.50 (0.18)	0.09 (0.08)	0.38 (0.12)	0.10 (0.04)
Df(2L)ED1317	38D1 - 38F5	278939	0.30 (0.15)	0.24 (0.12)	0.24 (0.11)	0.21 (0.15)
Df(2L)ED1375	38F5 - 39D2	457289	0.50 (0.31)	0.38 (0.19)	0.48 (0.31)	0.26 (0.06)
Df(2L)ED1378	38F1 - 39D2	574133	0.32 (0.21)	0.19 (0.08)	0.35 (0.11)	0.14 (0.06)
Df(2L)ED1382	39B4 - 39D2	159357	0.46 (0.22)	0.29 (0.09)	0.46 (0.15)	0.18 (0.08)
Df(2L)ED1384	38F5 - 39D2	474447	0.62 (0.25)	0.28 (0.07)	0.61 (0.09)	0.42 (0.15)
Df(2L)ED1451	38F5 - 39E2	666875	0.48 (0.10)	0.37 (0.13)	0.63 (0.09)	0.26 (0.05)
Df(2L)ED1454	39E3 - 39E6	28361	0.54 (0.13)	0.23 (0.05)	0.49 (0.10)	0.17 (0.10)
Df(2L)ED1455	39A1 - 39E6	605551	0.51 (0.15)	0.00 (-)	0.44 (0.18)	0.00 (-)
Df(2L)ED1462	39B4 - 39E6	406785	0.42 (0.13)	0.11 (0.07)	0.28 (0.14)	0.13 (0.09)
Df(2L)ED1466	39E3 - 40A5	199232	0.46 (0.12)	0.38 (0.10)	0.57 (0.10)	0.30 (0.10)
Df(2L)ED1473	39B4 - 40A5	577656	0.53 (0.07)	0.26 (0.17)	0.42 (0.16)	0.23 (0.23)
Df(2L)ED2809	21B1 - 21B1	5306	0.82 (0.23)	0.42 (0.13)	0.80 (0.23)	0.54 (0.26)
Df(2L)ED4330	23C4 - 23C5	56592	0.54 (0.22)	0.32 (0.05)	0.48 (0.24)	0.22 (0.18)
Df(2L)ED4559	23C4 - 23F6	479077	0.70 (0.15)	0.42 (0.05)	0.60 (0.16)	0.38 (0.05)
Df(2L)ED4651	23B8 - 23F6	604377	0.50 (0.21)	0.22 (0.10)	0.33 (0.09)	0.15 (0.05)
Df(2L)ED5878	21B1 - 21B3	93755	0.68 (0.15)	0.25 (0.10)	0.69 (0.17)	0.22 (0.06)
Df(2L)ED6569	27A1 - 27C4	212193	0.51 (0.18)	0.34 (0.11)	0.63 (0.25)	0.29 (0.07)
Df(2L)ED7007	27A1 - 27C7	254709	0.52 (0.21)	0.30 (0.16)	0.58 (0.14)	0.18 (0.06)
Df(2L)ED7666	22F4 - 22F4	1188	0.49 (0.17)	0.31 (0.18)	0.47 (0.19)	0.30 (0.21)
Df(2L)ED7733	21E2 - 21F1	266285	0.48 (0.17)	0.27 (0.10)	0.56 (0.18)	0.30 (0.20)
Df(2L)ED7762	22A6 - 22D3	539713	0.34 (0.20)	0.02 (0.02)	0.41 (0.27)	0.02 (0.02)
Df(2L)ED7853	25A3 - 25B10	299273	0.43 (0.20)	0.42 (0.07)	0.55 (0.12)	0.43 (0.15)
Df(2L)ED8142	31E1 - 32A4	271218	0.64 (0.18)	0.38 (0.19)	0.56 (0.16)	0.33 (0.24)
Df(2L)ED8185	34E1 - 35A4	456009	0.66 (0.16)	0.42 (0.09)	0.73 (0.24)	0.43 (0.10)
Df(2L)ED8186	34E4 - 35A4	399342	0.70 (0.10)	0.36 (0.09)	0.60 (0.07)	0.24 (0.10)
Df(2L)ED8368	36B1 - 36B2	33618	0.30 (0.15)	0.22 (0.07)	0.36 (0.14)	0.18 (0.08)
Df(2L)ED8386	36C1 - 36C9	337487	0.59 (0.08)	0.29 (0.12)	0.71 (0.30)	0.18 (0.10)
Df(2L)ED12487	25C3 - 25F2	604135	0.51 (0.22)	0.10 (0.08)	0.52 (0.18)	0.05 (0.05)
Df(2L)ED12527	28C4 - 28D3	203671	0.54 (0.24)	0.28 (0.13)	0.58 (0.21)	0.26 (0.21)
Df(2L)ED13216	36A12 - 36B1	70720	0.32 (0.15)	0.22 (0.14)	0.30 (0.25)	0.16 (0.07)

Table S1. Continued.

2R	Df(2R)ED1	53E9 - 53F8	70595	0.51 (0.20)	0.34 (0.19)	0.44 (0.21)	0.40 (0.12)
	Df(2R)ED1482	42A8 - 42A11	96487	0.53 (0.18)	0.26 (0.12)	0.50 (0.24)	0.18 (0.05)
	Df(2R)ED1484	42A2 - 42A14	351791	0.28 (0.18)	0.22 (0.09)	0.32 (0.22)	0.11 (0.07)
	Df(2R)ED1552	42A11 - 42C7	608682	0.29 (0.15)	0.09 (0.09)	0.27 (0.10)	0.14 (0.13)
	Df(2R)ED1612	42A13 - 42E6	829140	0.68 (0.23)	0.09 (0.06)	0.58 (0.15)	0.07 (0.04)
	Df(2R)ED1618	42C3 - 43A1	518138	0.67 (0.26)	0.37 (0.30)	0.54 (0.19)	0.28 (0.15)
	Df(2R)ED1673	42E4 - 43D3	547751	0.41 (0.07)	0.34 (0.31)	0.42 (0.16)	0.22 (0.18)
	Df(2R)ED1715	43A4 - 43F1	589972	0.53 (0.19)	0.42 (0.10)	0.49 (0.11)	0.20 (0.08)
	Df(2R)ED1725	43E4 - 44B5	542121	0.30 (0.08)	0.16 (0.07)	0.35 (0.12)	0.16 (0.15)
	Df(2R)ED1735	43F8 - 44D4	638302	0.59 (0.22)	0.31 (0.19)	0.46 (0.08)	0.23 (0.23)
	Df(2R)ED1742	44B8 - 44E3	549961	0.34 (0.07)	0.24 (0.23)	0.37 (0.13)	0.14 (0.10)
	Df(2R)ED1770	14A8 - 14C6	551912	0.39 (0.25)	0.22 (0.04)	0.41 (0.23)	0.17 (0.09)
	Df(2R)ED1791	44F7 - 45F1	630522	0.49 (0.11)	0.33 (0.15)	0.52 (0.15)	0.46 (0.24)
	Df(2R)ED2076	47A10 - 47C1	343202	0.34 (0.27)	0.40 (0.16)	0.44 (0.14)	0.33 (0.17)
	Df(2R)ED2098	47A7 - 47C6	482345	0.45 (0.19)	0.22 (0.10)	0.37 (0.12)	0.13 (0.09)
	Df(2R)ED2155	47C6 - 47F8	503346	0.41 (0.12)	0.28 (0.06)	0.52 (0.16)	0.29 (0.06)
	Df(2R)ED2219	47D6 - 48B6	467979	0.07 (0.08)	0.03 (0.04)	0.05 (0.05)	0.05 (0.07)
	Df(2R)ED2222	47F13 - 48B6	212411	0.44 (0.23)	0.10 (0.07)	0.38 (0.18)	0.11 (0.07)
	Df(2R)ED2247	53C9 - 53F10	388614	0.00 (0.00)	0.01 (0.02)	0.06 (0.13)	0.00 (0.00)
	Df(2R)ED2308	49D3 - 49E7	216614	0.39 (0.13)	0.32 (0.26)	0.37 (0.11)	0.25 (0.23)
	Df(2R)ED2311	49E4 - 49F10	277450	0.42 (0.24)	0.08 (0.07)	0.42 (0.21)	0.08 (0.03)
	Df(2R)ED2354	50E6 - 51B1	315512	0.57 (0.26)	0.18 (0.15)	0.52 (0.06)	0.20 (0.15)
	Df(2R)ED2423	51C5 - 51F11	520185	0.46 (0.22)	0.32 (0.14)	0.46 (0.24)	0.27 (0.17)
	Df(2R)ED2426	51E2 - 52B1	482016	0.37 (0.21)	0.22 (0.13)	0.38 (0.22)	0.22 (0.12)
	Df(2R)ED2436	51F11 - 52D11	627239	0.33 (0.21)	0.37 (0.13)	0.36 (0.26)	0.27 (0.10)
	Df(2R)ED2457	52D11 - 52E7	129848	0.37 (0.17)	0.12 (0.12)	0.38 (0.14)	0.02 (0.02)
	Df(2R)ED2487	52E6 - 53C4	261478	0.40 (0.04)	0.13 (0.07)	0.40 (0.17)	0.18 (0.08)
	Df(2R)ED2748	53D11 - 53F8	268682	0.34 (0.11)	0.26 (0.18)	0.28 (0.21)	0.15 (0.10)
	Df(2R)ED2751	53D14 - 53F8	240132	0.67 (0.31)	0.25 (0.18)	0.40 (0.16)	0.12 (0.04)
	Df(2R)ED3181	57F10 - 57F10	524868	0.34 (0.11)	0.24 (0.08)	0.43 (0.14)	0.36 (0.15)
	Df(2R)ED3610	54F1 - 55C8	561128	0.15 (0.09)	0.01 (0.02)	0.13 (0.05)	0.02 (0.02)
	Df(2R)ED3636	55B8 - 55E3	498523	0.03 (0.05)	0.04 (0.04)	0.04 (0.04)	0.03 (0.05)
	Df(2R)ED3683	55C2 - 56C4	940122	0.25 (0.16)	0.19 (0.09)	0.33 (0.22)	0.10 (0.07)
	Df(2R)ED3728	56D10 - 56E2	264297	0.26 (0.11)	0.08 (0.08)	0.27 (0.10)	0.10 (0.06)
	Df(2R)ED3791	57B1 - 57D4	552570	0.36 (0.21)	0.30 (0.21)	0.68 (0.16)	0.30 (0.14)
	Df(2R)ED3921	57F9 - 57F10	11246	0.78 (0.13)	0.28 (0.13)	0.50 (0.13)	0.26 (0.22)
	Df(2R)ED3923	57F6 - 57F10	67570	0.65 (0.19)	0.45 (0.30)	0.64 (0.09)	0.31 (0.16)
	Df(2R)ED3943	37B9 - 37C5	688723	0.38 (0.09)	0.08 (0.03)	0.36 (0.16)	0.08 (0.07)
	Df(2R)ED3952	58B10 - 58E5	386674	0.49 (0.23)	0.20 (0.15)	0.46 (0.12)	0.27 (0.13)
	Df(2R)ED4061	60C8 - 60D13	270614	0.58 (0.26)	0.27 (0.21)	0.41 (0.13)	0.18 (0.12)
	Df(2R)ED4071	60C8 - 60E8	540173	0.54 (0.24)	0.03 (0.03)	0.65 (0.33)	0.03 (0.03)
	Df(2R)ED9039	48C5 - 48E4	283867	0.33 (0.16)	0.31 (0.15)	0.35 (0.14)	0.20 (0.20)
	Df(2R)ED9045	48F5 - 49A7	212898	0.16 (0.17)	0.14 (0.23)	0.10 (0.13)	0.03 (0.03)
3L	Df(3L)ED201	91A5 - 91F1	224017	0.26 (0.11)	0.06 (0.06)	0.34 (0.21)	0.02 (0.04)
	Df(3L)ED202	61C9 - 61F7	597642	0.60 (0.19)	0.09 (0.08)	0.52 (0.19)	0.12 (0.08)
	Df(3L)ED207	61C9 - 62A6	829369	0.38 (0.27)	0.23 (0.17)	0.58 (0.23)	0.23 (0.19)
	Df(3L)ED208	63C1 - 63F5	644000	0.23 (0.07)	0.13 (0.09)	0.18 (0.12)	0.18 (0.12)
	Df(3L)ED210	64B9 - 64C13	804208	0.42 (0.12)	0.26 (0.08)	0.38 (0.15)	0.14 (0.08)
	Df(3L)ED211	65A9 - 65B4	334624	0.30 (0.24)	0.09 (0.05)	0.31 (0.14)	0.10 (0.08)
	Df(3L)ED215	69B5 - 69C4	86745	0.40 (0.11)	0.22 (0.09)	0.34 (0.08)	0.30 (0.05)
	Df(3L)ED217	70F4 - 71E1	831026	0.30 (0.20)	0.08 (0.07)	0.36 (0.23)	0.03 (0.04)
	Df(3L)ED218	71B1 - 71E1	575028	0.50 (0.25)	0.18 (0.13)	0.38 (0.15)	0.12 (0.03)
	Df(3L)ED220	72D4 - 72F1	324193	0.63 (0.19)	0.35 (0.16)	0.70 (0.18)	0.38 (0.13)
	Df(3L)ED223	73A1 - 73D5	439052	0.17 (0.07)	0.03 (0.02)	0.14 (0.15)	0.05 (0.03)
	Df(3L)ED224	75B1 - 75C6	429316	0.30 (0.20)	0.06 (0.05)	0.34 (0.20)	0.09 (0.08)
	Df(3L)ED225	75C1 - 75D4	435192	0.30 (0.08)	0.26 (0.13)	0.26 (0.13)	0.20 (0.12)
	Df(3L)ED228	76A1 - 76D2	701102	0.19 (0.02)	0.21 (0.09)	0.26 (0.17)	0.16 (0.05)
	Df(3L)ED230	79C2 - 80A4	699720	0.54 (0.18)	0.04 (0.03)	0.49 (0.15)	0.06 (0.06)
	Df(3L)ED231	80B1 - 80C1	73704	0.48 (0.08)	0.39 (0.11)	0.56 (0.19)	0.38 (0.19)
	Df(3L)ED4079	61A5 - 61B1	91461	0.37 (0.07)	0.26 (0.07)	0.42 (0.15)	0.21 (0.08)
	Df(3L)ED4177	61C1 - 61E2	715336	0.34 (0.21)	0.08 (0.05)	0.29 (0.23)	0.06 (0.08)
	Df(3L)ED4191	61C3 - 62A2	934664	0.22 (0.14)	0.08 (0.06)	0.28 (0.05)	0.18 (0.09)
	Df(3L)ED4196	61C7 - 62A2	839354	0.37 (0.13)	0.07 (0.05)	0.34 (0.21)	0.13 (0.12)
	Df(3L)ED4238	61C9 - 62A4	808192	0.46 (0.26)	0.38 (0.10)	0.40 (0.19)	0.42 (0.11)
	Df(3L)ED4256	62A3 - 62A6	40559	0.43 (0.13)	0.14 (0.05)	0.44 (0.17)	0.16 (0.11)
	Df(3L)ED4284	62B4 - 62B12	168110	0.50 (0.14)	0.30 (0.11)	0.53 (0.18)	0.19 (0.06)
	Df(3L)ED4287	62B4 - 62E5	756319	0.36 (0.18)	0.12 (0.05)	0.38 (0.19)	0.24 (0.05)
	Df(3L)ED4288	63A6 - 63B7	78264	0.38 (0.24)	0.18 (0.06)	0.36 (0.14)	0.27 (0.12)
	Df(3L)ED4293	63C1 - 63C1	24226	0.36 (0.17)	0.32 (0.09)	0.38 (0.19)	0.30 (0.09)
	Df(3L)ED4341	63F6 - 64B9	637145	0.33 (0.16)	0.19 (0.12)	0.19 (0.07)	0.15 (0.12)
	Df(3L)ED4342	64A12 - 64B12	347385	0.42 (0.16)	0.19 (0.13)	0.46 (0.12)	0.22 (0.11)
	Df(3L)ED4408	66A22 - 66C5	320467	0.18 (0.07)	0.06 (0.02)	0.27 (0.10)	0.03 (0.02)
	Df(3L)ED4414	66D12 - 66E6	233661	0.39 (0.17)	0.22 (0.13)	0.35 (0.16)	0.28 (0.13)
	Df(3L)ED4415	66D12 - 66E6	213016	0.22 (0.13)	0.14 (0.10)	0.26 (0.08)	0.10 (0.13)
	Df(3L)ED4416	66E1 - 67B1	522145	0.42 (0.20)	0.19 (0.08)	0.48 (0.17)	0.16 (0.11)
	Df(3L)ED4421	66D12 - 67B3	638749	0.34 (0.25)	0.06 (0.02)	0.22 (0.15)	0.05 (0.05)
	Df(3L)ED4457	67E2 - 68A7	761858	0.38 (0.14)	0.16 (0.08)	0.17 (0.12)	0.08 (0.07)
	Df(3L)ED4470	68A6 - 68E1	736241	0.53 (0.04)	0.43 (0.17)	0.61 (0.20)	0.40 (0.19)

Table S1. Continued.

	Df(3L)ED4483	69A5 - 69D3	415994	0.42 (0.19)	0.15 (0.07)	0.34 (0.16)	0.17 (0.07)
	Df(3L)ED4486	69C4 - 69F6	518066	0.25 (0.16)	0.26 (0.15)	0.26 (0.09)	0.37 (0.09)
	Df(3L)ED4502	70A3 - 70C10	765786	0.35 (0.17)	0.14 (0.10)	0.51 (0.22)	0.17 (0.10)
	Df(3L)ED4515	70C6 - 70C15	97860	0.52 (0.19)	0.23 (0.06)	0.34 (0.24)	0.19 (0.12)
	Df(3L)ED4528	70C15 - 70D2	39982	0.56 (0.15)	0.27 (0.08)	0.55 (0.08)	0.27 (0.12)
	Df(3L)ED4534	70C15 - 70D3	156653	0.30 (0.19)	0.17 (0.12)	0.36 (0.16)	0.13 (0.09)
	Df(3L)ED4536	70C11 - 70D3	202563	0.38 (0.07)	0.19 (0.03)	0.35 (0.11)	0.12 (0.11)
	Df(3L)ED4543	70C6 - 70F4	822815	0.16 (0.07)	0.14 (0.13)	0.33 (0.14)	0.07 (0.02)
	Df(3L)ED4606	72D4 - 73C4	692639	0.19 (0.07)	0.09 (0.02)	0.34 (0.26)	0.06 (0.07)
	Df(3L)ED4674	73B5 - 73E5	388134	0.42 (0.16)	0.15 (0.03)	0.25 (0.12)	0.10 (0.08)
	Df(3L)ED4685	73D5 - 74E2	721094	0.22 (0.18)	0.19 (0.13)	0.21 (0.18)	0.22 (0.05)
	Df(3L)ED4710	74D1 - 75B11	651836	0.29 (0.12)	0.07 (0.06)	0.30 (0.14)	0.09 (0.08)
	Df(3L)ED4743	75D4 - 75D8	133616	0.54 (0.13)	0.42 (0.17)	0.70 (0.14)	0.44 (0.18)
	Df(3L)ED4744	75D8 - 75E1	14368	0.38 (0.06)	0.37 (0.12)	0.38 (0.12)	0.26 (0.18)
	Df(3L)ED4782	75F2 - 76A1	174808	0.62 (0.09)	0.52 (0.22)	0.42 (0.10)	0.39 (0.13)
	Df(3L)ED4786	75F7 - 76A5	194711	0.42 (0.22)	0.34 (0.16)	0.40 (0.07)	0.28 (0.19)
	Df(3L)ED4789	76A1 - 76A5	124956	0.68 (0.17)	0.54 (0.17)	0.64 (0.21)	0.44 (0.16)
	Df(3L)ED4799	76A1 - 76B3	311466	0.53 (0.10)	0.31 (0.12)	0.57 (0.09)	0.30 (0.09)
	Df(3L)ED4858	76D3 - 77C1	506447	0.30 (0.12)	0.13 (0.10)	0.34 (0.21)	0.09 (0.08)
	Df(3L)ED4957	78C3 - 78F1	530381	0.38 (0.22)	0.10 (0.10)	0.42 (0.28)	0.15 (0.09)
	Df(3L)ED4978	78D5 - 79A2	346878	0.37 (0.20)	0.24 (0.06)	0.37 (0.14)	0.31 (0.16)
	Df(3L)ED5013	80A1 - 80B1	150650	0.63 (0.10)	0.25 (0.13)	0.57 (0.08)	0.25 (0.10)
	Df(3L)ED5017	80A4 - 80C2	162804	0.22 (0.14)	0.02 (0.02)	0.35 (0.11)	0.10 (0.13)
3R	Df(3R)ED2	21E2 - 21E2	697540	0.30 (0.02)	0.21 (0.08)	0.36 (0.19)	0.24 (0.09)
	Df(3R)ED5020	82A3 - 82B1	108705	0.66 (0.09)	0.40 (0.23)	0.71 (0.13)	0.28 (0.15)
	Df(3R)ED5021	82A1 - 82B1	193118	0.73 (0.26)	0.09 (0.05)	0.68 (0.24)	0.06 (0.05)
	Df(3R)ED5046	82A1 - 82D3	541858	0.62 (0.20)	0.26 (0.13)	0.66 (0.27)	0.16 (0.08)
	Df(3R)ED5066	82D1 - 82E4	302797	0.54 (0.16)	0.34 (0.13)	0.47 (0.20)	0.34 (0.12)
	Df(3R)ED5071	82A1 - 82E4	755409	0.30 (0.20)	0.29 (0.10)	0.23 (0.12)	0.23 (0.12)
	Df(3R)ED5092	82A3 - 82E8	805399	0.30 (0.13)	0.11 (0.05)	0.22 (0.14)	0.05 (0.07)
	Df(3R)ED5095	82D1 - 82E8	437200	0.36 (0.12)	0.25 (0.12)	0.46 (0.15)	0.28 (0.07)
	Df(3R)ED5100	82A1 - 82E8	889812	0.29 (0.05)	0.18 (0.21)	0.18 (0.06)	0.12 (0.07)
	Df(3R)ED5138	82D5 - 82F8	483811	0.26 (0.19)	0.14 (0.05)	0.35 (0.15)	0.14 (0.07)
	Df(3R)ED5142	82B3 - 82F8	811587	0.34 (0.14)	0.28 (0.14)	0.20 (0.13)	0.26 (0.08)
	Df(3R)ED5147	82E8 - 83A1	280684	0.61 (0.10)	0.08 (0.06)	0.66 (0.18)	0.12 (0.09)
	Df(3R)ED5156	82F8 - 83A4	193919	0.62 (0.17)	0.42 (0.13)	0.48 (0.16)	0.26 (0.16)
	Df(3R)ED5177	83B4 - 83B6	23466	0.40 (0.32)	0.12 (0.10)	0.52 (0.16)	0.23 (0.16)
	Df(3R)ED5187	83B7 - 83B8	6020	0.31 (0.18)	0.06 (0.04)	0.51 (0.12)	0.11 (0.04)
	Df(3R)ED5196	83B9 - 83D2	323565	0.74 (0.15)	0.06 (0.06)	0.69 (0.26)	0.10 (0.12)
	Df(3R)ED5197	83B7 - 83D2	359362	0.41 (0.18)	0.10 (0.12)	0.34 (0.07)	0.02 (0.02)
	Df(3R)ED5220	84E6 - 84E11	116309	0.46 (0.16)	0.26 (0.18)	0.38 (0.13)	0.31 (0.13)
	Df(3R)ED5221	84C4 - 84E11	965801	0.60 (0.12)	0.26 (0.12)	0.51 (0.12)	0.20 (0.05)
	Df(3R)ED5223	84D9 - 84E11	602379	0.27 (0.16)	0.30 (0.09)	0.22 (0.10)	0.27 (0.14)
	Df(3R)ED5230	84E6 - 85A5	675360	0.62 (0.28)	0.67 (0.19)	0.46 (0.19)	0.50 (0.16)
	Df(3R)ED5296	84F6 - 85C3	806270	0.30 (0.13)	0.17 (0.13)	0.41 (0.21)	0.14 (0.15)
	Df(3R)ED5301	85C3 - 85C3	22497	0.64 (0.07)	0.40 (0.24)	0.62 (0.14)	0.39 (0.14)
	Df(3R)ED5327	85D1 - 85D1	2719	0.58 (0.12)	0.18 (0.12)	0.68 (0.14)	0.24 (0.05)
	Df(3R)ED5330	85A5 - 85D1	560209	0.21 (0.13)	0.07 (0.05)	0.17 (0.16)	0.04 (0.03)
	Df(3R)ED5331	85C3 - 85D1	195601	0.54 (0.27)	0.40 (0.13)	0.57 (0.08)	0.35 (0.14)
	Df(3R)ED5339	85D1 - 85D11	125299	0.75 (0.12)	0.13 (0.10)	0.66 (0.10)	0.24 (0.10)
	Df(3R)ED5416	85D16 - 85E6	335297	0.51 (0.24)	0.21 (0.11)	0.46 (0.15)	0.22 (0.11)
	Df(3R)ED5428	85E1 - 85F8	417820	0.37 (0.08)	0.30 (0.06)	0.34 (0.17)	0.27 (0.07)
	Df(3R)ED5438	85E5 - 85F8	321934	0.38 (0.17)	0.31 (0.17)	0.43 (0.16)	0.43 (0.18)
	Df(3R)ED5472	85F16 - 86B1	180223	0.46 (0.22)	0.45 (0.20)	0.56 (0.13)	0.42 (0.16)
	Df(3R)ED5474	85F11 - 86B1	241312	0.40 (0.21)	0.41 (0.15)	0.42 (0.07)	0.40 (0.19)
	Df(3R)ED5495	85F16 - 86C7	716259	0.27 (0.15)	0.07 (0.09)	0.22 (0.10)	0.13 (0.09)
	Df(3R)ED5506	86C7 - 86D5	287750	0.76 (0.06)	0.34 (0.12)	0.70 (0.12)	0.19 (0.13)
	Df(3R)ED5511	86C7 - 86D9	359178	0.93 (0.30)	0.87 (0.15)	1.10 (0.27)	0.71 (0.17)
	Df(3R)ED5514	86C7 - 86E11	684255	0.22 (0.07)	0.15 (0.14)	0.19 (0.04)	0.18 (0.15)
	Df(3R)ED5516	86D8 - 86E13	385730	0.31 (0.07)	0.42 (0.16)	0.23 (0.10)	0.35 (0.18)
	Df(3R)ED5518	86C7 - 86E13	734902	0.08 (0.05)	0.01 (0.02)	0.14 (0.06)	0.00 (0.00)
	Df(3R)ED5519	86E11 - 86E13	53930	0.58 (0.11)	0.46 (0.20)	0.58 (0.11)	0.32 (0.11)
	Df(3R)ED5554	87B5 - 87B11	162903	0.71 (0.22)	0.38 (0.09)	0.74 (0.29)	0.34 (0.16)
	Df(3R)ED5558	86F9 - 87B11	615275	0.58 (0.17)	0.42 (0.05)	0.61 (0.19)	0.43 (0.11)
	Df(3R)ED5559	86E11 - 87B11	874834	0.42 (0.20)	0.03 (0.03)	0.40 (0.17)	0.16 (0.05)
	Df(3R)ED5573	87B5 - 87B13	196465	0.38 (0.23)	0.23 (0.08)	0.28 (0.12)	0.14 (0.08)
	Df(3R)ED5577	86F9 - 87B13	648837	0.66 (0.10)	0.02 (0.04)	0.46 (0.12)	0.03 (0.03)
	Df(3R)ED5591	87B7 - 87C7	369479	0.74 (0.22)	0.34 (0.17)	0.57 (0.16)	0.34 (0.22)
	Df(3R)ED5608	87C7 - 87D7	275690	0.10 (0.02)	0.02 (0.02)	0.27 (0.10)	0.02 (0.02)
	Df(3R)ED5610	87B11 - 87D7	551659	0.56 (0.06)	0.07 (0.03)	0.73 (0.21)	0.13 (0.10)
	Df(3R)ED5612	87C7 - 87F6	925149	0.21 (0.15)	0.10 (0.06)	0.20 (0.11)	0.10 (0.07)
	Df(3R)ED5613	87E3 - 87F6	385385	0.50 (0.17)	0.18 (0.14)	0.50 (0.11)	0.12 (0.13)
	Df(3R)ED5622	87F10 - 88A4	300090	0.22 (0.12)	0.12 (0.09)	0.21 (0.11)	0.12 (0.06)
	Df(3R)ED5623	87E3 - 88A4	724163	0.15 (0.08)	0.02 (0.04)	0.14 (0.08)	0.01 (0.02)
	Df(3R)ED5634	88A4 - 88B1	260040	0.32 (0.11)	0.22 (0.08)	0.38 (0.13)	0.12 (0.11)
	Df(3R)ED5642	87F10 - 88C2	797952	1.04 (0.21)	0.68 (0.25)	1.03 (0.20)	0.71 (0.24)
	Df(3R)ED5644	88A4 - 88C9	607806	0.61 (0.20)	0.34 (0.11)	0.60 (0.16)	0.34 (0.16)
	Df(3R)ED5657	88D1 - 88D7	221350	0.26 (0.10)	0.24 (0.08)	0.42 (0.06)	0.31 (0.05)
	Df(3R)ED5660	88D1 - 88E1	396848	0.45 (0.20)	0.23 (0.15)	0.42 (0.15)	0.33 (0.10)

Table S1. Continued.

	Df(3R)ED5662	88D1 - 88E2	434545	0.38 (0.14)	0.14 (0.11)	0.34 (0.14)	0.17 (0.11)
	Df(3R)ED5664	88D1 - 88E3	531540	0.53 (0.14)	0.02 (0.04)	0.32 (0.11)	0.02 (0.04)
	Df(3R)ED5688	88E12 - 88F1	37068	0.34 (0.13)	0.08 (0.05)	0.30 (0.06)	0.14 (0.06)
	Df(3R)ED5705	88E12 - 89A5	502138	0.14 (0.08)	0.08 (0.06)	0.10 (0.07)	0.02 (0.04)
	Df(3R)ED5780	89E11 - 90C1	625324	0.37 (0.13)	0.18 (0.19)	0.42 (0.10)	0.25 (0.11)
	Df(3R)ED5781	89E13 - 90C1	562695	0.57 (0.20)	0.31 (0.13)	0.53 (0.23)	0.27 (0.07)
	Df(3R)ED5785	90C2 - 90D1	225960	0.64 (0.21)	0.24 (0.15)	0.57 (0.19)	0.30 (0.20)
	Df(3R)ED5807	90C2 - 91A5	681121	0.31 (0.18)	0.07 (0.06)	0.15 (0.05)	0.05 (0.04)
	Df(3R)ED5815	90F4 - 91B8	491112	0.04 (0.04)	0.02 (0.02)	0.01 (0.02)	0.02 (0.04)
	Df(3R)ED5911	91C5 - 91F8	422856	0.50 (0.14)	0.30 (0.15)	0.46 (0.19)	0.14 (0.07)
	Df(3R)ED5938	91D4 - 92A11	735402	0.14 (0.06)	0.04 (0.04)	0.11 (0.06)	0.04 (0.00)
	Df(3R)ED6025	92A11 - 92E2	666791	0.53 (0.17)	0.00 (0.00)	0.38 (0.05)	0.01 (0.02)
	Df(3R)ED6027	92B3 - 92E2	472646	0.65 (0.28)	0.30 (0.13)	0.70 (0.08)	0.34 (0.18)
	Df(3R)ED6052	93D4 - 93D8	68869	0.37 (0.07)	0.22 (0.13)	0.42 (0.22)	0.18 (0.09)
	Df(3R)ED6058	93D4 - 93F6	423105	0.38 (0.21)	0.13 (0.09)	0.39 (0.19)	0.07 (0.03)
	Df(3R)ED6076	93E10 - 94A1	409323	0.56 (0.27)	0.26 (0.10)	0.30 (0.14)	0.22 (0.08)
	Df(3R)ED6079	94A1 - 94A2	91507	0.55 (0.23)	0.37 (0.10)	0.66 (0.15)	0.30 (0.08)
	Df(3R)ED6085	93F14 - 94B5	706744	0.29 (0.18)	0.18 (0.14)	0.22 (0.16)	0.18 (0.07)
	Df(3R)ED6090	94A1 - 94C1	656195	0.27 (0.11)	0.12 (0.06)	0.34 (0.16)	0.17 (0.10)
	Df(3R)ED6091	94B5 - 94C4	138626	0.53 (0.13)	0.11 (0.04)	0.56 (0.09)	0.17 (0.08)
	Df(3R)ED6093	94A2 - 94C4	592519	0.37 (0.16)	0.17 (0.10)	0.19 (0.07)	0.16 (0.09)
	Df(3R)ED6096	94B5 - 94E7	634288	0.14 (0.11)	0.02 (0.02)	0.06 (0.05)	0.02 (0.02)
	Df(3R)ED6103	94D3 - 94E9	359862	0.32 (0.15)	0.14 (0.08)	0.25 (0.06)	0.12 (0.05)
	Df(3R)ED6105	94E9 - 94E11	37549	0.26 (0.05)	0.12 (0.10)	0.38 (0.17)	0.10 (0.08)
	Df(3R)ED6116	95B4 - 95C1	46434	0.57 (0.14)	0.27 (0.09)	0.48 (0.28)	0.26 (0.15)
	Df(3R)ED6119	95C8 - 95C12	35707	0.28 (0.14)	0.14 (0.04)	0.27 (0.15)	0.12 (0.08)
	Df(3R)ED6144	95C8 - 95D1	55833	0.57 (0.28)	0.10 (0.08)	0.54 (0.37)	0.14 (0.08)
	Df(3R)ED6150	95D1 - 95D11	114310	0.42 (0.24)	0.27 (0.26)	0.50 (0.16)	0.17 (0.12)
	Df(3R)ED6155	95B4 - 95D11	283236	0.32 (0.10)	0.19 (0.11)	0.33 (0.09)	0.20 (0.12)
	Df(3R)ED6168	95D1 - 95F8	328141	0.24 (0.13)	0.10 (0.07)	0.21 (0.06)	0.04 (0.04)
	Df(3R)ED6187	95D10 - 96A7	492295	0.14 (0.08)	0.12 (0.03)	0.33 (0.17)	0.15 (0.10)
	Df(3R)ED6220	96A7 - 96C3	639975	0.74 (0.23)	0.50 (0.07)	0.62 (0.17)	0.39 (0.12)
	Df(3R)ED6232	96F10 - 97D2	762106	0.20 (0.09)	0.14 (0.07)	0.12 (0.11)	0.06 (0.02)
	Df(3R)ED6235	97B9 - 97D12	445273	0.54 (0.18)	0.48 (0.13)	0.51 (0.07)	0.60 (0.19)
	Df(3R)ED6242	97E4 - 97E11	123525	0.29 (0.03)	0.17 (0.05)	0.35 (0.10)	0.07 (0.02)
	Df(3R)ED6255	97D2 - 97F1	482865	0.30 (0.08)	0.14 (0.06)	0.33 (0.09)	0.14 (0.02)
	Df(3R)ED6265	97E2 - 98A7	467511	0.59 (0.28)	0.18 (0.17)	0.61 (0.28)	0.14 (0.05)
	Df(3R)ED6277	98B6 - 98B6	10924	0.65 (0.20)	0.15 (0.07)	0.46 (0.09)	0.14 (0.09)
	Df(3R)ED6290	98C3 - 98E5	485726	0.48 (0.20)	0.16 (0.09)	0.59 (0.27)	0.18 (0.08)
	Df(3R)ED6310	98F12 - 99B2	373258	0.51 (0.08)	0.25 (0.20)	0.65 (0.31)	0.13 (0.18)
	Df(3R)ED6315	99B10 - 99C1	17077	0.34 (0.16)	0.27 (0.06)	0.32 (0.08)	0.25 (0.12)
	Df(3R)ED6316	99A5 - 99C1	527344	0.25 (0.14)	0.11 (0.04)	0.36 (0.14)	0.13 (0.04)
	Df(3R)ED6332	99E4 - 99F2	111366	0.30 (0.09)	0.36 (0.19)	0.36 (0.09)	0.33 (0.07)
	Df(3R)ED6346	100A5 - 100B1	265322	0.18 (0.11)	0.19 (0.15)	0.26 (0.10)	0.23 (0.13)
	Df(3R)ED6361	100C7 - 100E3	469313	0.34 (0.30)	0.11 (0.09)	0.26 (0.08)	0.18 (0.04)
	Df(3R)ED6362	100E1 - 100E3	141893	0.47 (0.12)	0.19 (0.10)	0.39 (0.15)	0.22 (0.10)
	Df(3R)ED7665	84B4 - 84E11	1003556	0.07 (0.05)	0.16 (0.14)	0.08 (0.04)	0.09 (0.06)
	Df(3R)ED10257	83A7 - 83B4	81922	0.33 (0.12)	0.13 (0.07)	0.30 (0.14)	0.11 (0.09)
	Df(3R)ED10549	88D6 - 88D7	17163	0.59 (0.09)	0.30 (0.09)	0.44 (0.10)	0.34 (0.20)
	Df(3R)ED10555	88C9 - 88D8	361038	0.82 (0.05)	0.40 (0.20)	0.65 (0.17)	0.61 (0.11)
	Df(3R)ED10556	88D6 - 88E1	192661	0.53 (0.18)	0.27 (0.17)	0.35 (0.12)	0.21 (0.14)
	Df(3R)ED10557	88D6 - 88E2	230358	0.44 (0.22)	0.21 (0.07)	0.48 (0.34)	0.16 (0.13)
	Df(3R)ED10561	88E2 - 88E2	25799	0.42 (0.17)	0.21 (0.04)	0.42 (0.08)	0.14 (0.07)
	Df(3R)ED10564	88D6 - 88E3	327353	0.36 (0.22)	0.14 (0.12)	0.33 (0.27)	0.14 (0.09)
	Df(3R)ED10566	88E2 - 88E5	118112	0.64 (0.16)	0.23 (0.17)	0.66 (0.11)	0.16 (0.07)
	Df(3R)ED10639	89B7 - 89D2	268307	0.30 (0.12)	0.21 (0.06)	0.24 (0.10)	0.04 (0.03)
	Df(3R)ED10642	89C7 - 89D5	171514	0.37 (0.16)	0.27 (0.07)	0.38 (0.13)	0.22 (0.10)
	Df(3R)ED10811	93A4 - 93B8	111808	0.24 (0.14)	0.10 (0.06)	0.31 (0.07)	0.13 (0.06)
	Df(3R)ED10820	93A4 - 93B12	162720	0.39 (0.08)	0.26 (0.10)	0.52 (0.03)	0.32 (0.08)
	Df(3R)ED10838	93C1 - 93D4	162185	0.44 (0.23)	0.07 (0.07)	0.60 (0.38)	0.05 (0.05)
	Df(3R)ED10893	95C8 - 95E1	217754	0.47 (0.12)	0.29 (0.03)	0.34 (0.09)	0.19 (0.17)
	Df(3R)ED10894	95A7 - 95E1	435407	0.45 (0.10)	0.37 (0.18)	0.50 (0.10)	0.29 (0.08)
	Df(3R)ED10946	96B20 - 96D1	221386	0.40 (0.11)	0.25 (0.12)	0.37 (0.13)	0.27 (0.10)
	Df(3R)ED10953	96C6 - 96D1	70912	0.26 (0.07)	0.38 (0.07)	0.38 (0.10)	0.34 (0.07)
	Df(3R)ED10961	97E11 - 97F1	19770	0.46 (0.16)	0.28 (0.11)	0.46 (0.06)	0.22 (0.09)
	Df(3R)ED10966	97E11 - 97F1	28417	0.50 (0.21)	0.22 (0.12)	0.37 (0.05)	0.27 (0.09)
	Df(3R)ED10970	97E11 - 98B5	652492	0.18 (0.12)	0.14 (0.07)	0.22 (0.07)	0.06 (0.06)
	Df(3R)ED10993	99B10 - 99C2	41267	0.32 (0.10)	0.16 (0.10)	0.26 (0.07)	0.24 (0.16)
	Df(3R)ED13102	99B1 - 99B10	279997	0.37 (0.07)	0.18 (0.05)	0.24 (0.12)	0.16 (0.08)
X	Df(1)ED404	1D2 - 1E3	200503	0.30 (0.07)	0.26 (0.16)	0.00 (0.00)	0.00 (0.00)
	Df(1)ED409	2C7 - 2F5	275404	0.19 (0.11)	0.14 (0.12)	0.02 (0.05)	0.00 (0.00)
	Df(1)ED411	3A3 - 3A8	172827	0.27 (0.13)	0.19 (0.11)	0.02 (0.05)	0.00 (0.00)
	Df(1)ED418	5C7 - 5E4	377712	0.24 (0.30)	0.22 (0.18)	0.01 (0.02)	0.00 (0.00)
	Df(1)ED429	9D3 - 9D3	38567	0.84 (0.27)	0.38 (0.12)	0.78 (0.25)	0.38 (0.18)
	Df(1)ED447	17C1 - 17F1	356796	0.45 (0.23)	0.27 (0.05)	0.01 (0.02)	0.00 (0.00)
	Df(1)ED6396	1B5 - 1B8	30101	0.34 (0.08)	0.22 (0.08)	0.01 (0.02)	0.00 (0.00)
	Df(1)ED6443	1B14 - 1E1	370684	0.35 (0.12)	0.22 (0.11)	0.00 (0.00)	0.01 (0.02)
	Df(1)ED6574	2E1 - 3A2	203136	0.46 (0.20)	0.34 (0.21)	0.00 (0.00)	0.00 (0.00)
	Df(1)ED6579	3A6 - 3A8	53476	0.26 (0.09)	0.21 (0.22)	0.00 (0.00)	0.00 (0.00)

Table S1. Continued.

Df(1)ED6584	3A8 - 3B1	49222	0.40 (0.24)	0.31 (0.11)	0.00 (0.00)	0.00 (0.00)
Df(1)ED6630	3B1 - 3C5	351370	0.44 (0.22)	0.26 (0.09)	0.05 (0.11)	0.00 (0.00)
Df(1)ED6712	3D3 - 3F1	357080	0.13 (0.08)	0.20 (0.21)	0.00 (0.00)	0.00 (0.00)
Df(1)ED6727	4B6 - 4D5	585887	0.46 (0.28)	0.18 (0.14)	0.00 (0.00)	0.00 (0.00)
Df(1)ED6802	5A12 - 5D1	285900	0.63 (0.24)	0.30 (0.17)	0.00 (0.00)	0.00 (0.00)
Df(1)ED6829	5C7 - 5F3	451119	0.50 (0.19)	0.12 (0.05)	0.00 (0.00)	0.00 (0.00)
Df(1)ED6849	5F3 - 6D3	452200	0.26 (0.12)	0.03 (0.05)	0.00 (0.00)	0.00 (0.00)
Df(1)ED6878	6C12 - 6D8	103655	0.42 (0.22)	0.27 (0.07)	0.00 (0.00)	0.00 (0.00)
Df(1)ED6906	7A3 - 7B2	210722	0.38 (0.08)	0.05 (0.03)	0.00 (0.00)	0.01 (0.02)
Df(1)ED6940	36A10 - 36B1	297221	0.44 (0.16)	0.42 (0.13)	0.00 (0.00)	0.00 (0.00)
Df(1)ED6957	8B6 - 8C13	243242	0.75 (0.19)	0.58 (0.13)	0.00 (0.00)	0.00 (0.00)
Df(1)ED6989	8F9 - 9B1	383820	0.51 (0.18)	0.13 (0.16)	0.00 (0.00)	0.00 (0.00)
Df(1)ED6991	8F9 - 9B4	524871	0.18 (0.17)	0.18 (0.06)	0.00 (0.00)	0.00 (0.00)
Df(1)ED7005	9B1 - 9D3	513509	0.15 (0.08)	0.06 (0.05)	0.00 (0.00)	0.00 (0.00)
Df(1)ED7010	9D3 - 9D4	82437	0.11 (0.05)	0.21 (0.14)	0.00 (0.00)	0.00 (0.00)
Df(1)ED7067	10B8 - 10C10	210959	0.38 (0.06)	0.25 (0.17)	0.00 (0.00)	0.00 (0.00)
Df(1)ED7147	10D7 - 11A1	290417	0.20 (0.15)	0.06 (0.05)	0.00 (0.00)	0.00 (0.00)
Df(1)ED7153	11A1 - 11B1	560373	0.42 (0.13)	0.28 (0.09)	0.00 (0.00)	0.00 (0.00)
Df(1)ED7161	11A1 - 11B14	743779	0.34 (0.16)	0.00 (-)	0.00 (0.00)	0.00 (-)
Df(1)ED7165	11B15 - 11E1	386346	0.44 (0.07)	0.28 (0.15)	0.00 (0.00)	0.00 (0.00)
Df(1)ED7170	11B15 - 11E8	524724	0.57 (0.13)	0.28 (0.12)	0.00 (0.00)	0.00 (0.00)
Df(1)ED7173	11B15 - 11F1	621133	0.16 (0.06)	0.00 (-)	0.00 (0.00)	0.00 (-)
Df(1)ED7217	12A9 - 12C6	180238	0.30 (0.12)	0.07 (0.05)	0.00 (0.00)	0.00 (0.00)
Df(1)ED7229	12E5 - 12F2	431710	0.80 (0.16)	0.54 (0.16)	0.03 (0.07)	0.00 (0.00)
Df(1)ED7261	12F2 - 12F5	185603	0.31 (0.10)	0.34 (0.16)	0.00 (0.00)	0.00 (0.00)
Df(1)ED7265	12F4 - 13A5	181838	0.49 (0.33)	0.37 (0.22)	0.00 (0.00)	0.02 (0.05)
Df(1)ED7289	13A5 - 13A12	100973	0.53 (0.19)	0.26 (0.20)	0.00 (0.00)	0.00 (0.00)
Df(1)ED7294	13B1 - 13C3	274883	0.41 (0.24)	0.32 (0.09)	0.00 (0.00)	0.00 (0.00)
Df(1)ED7331	13C3 - 13F1	363268	0.46 (0.14)	0.14 (0.02)	0.00 (0.00)	0.00 (0.00)
Df(1)ED7344	13E1 - 13F17	241694	0.34 (0.07)	0.13 (0.06)	0.01 (0.02)	0.00 (0.00)
Df(1)ED7355	14A8 - 14B7	186930	0.21 (0.08)	0.18 (0.11)	0.10 (0.05)	0.00 (0.00)
Df(1)ED7374	15A1 - 15E3	412445	0.62 (0.22)	0.26 (0.09)	0.00 (0.00)	0.00 (0.00)
Df(1)ED7413	17D1 - 17F1	206484	0.39 (0.14)	0.17 (0.10)	0.00 (0.00)	0.00 (0.00)
Df(1)ED7441	18A3 - 18C2	168474	0.20 (0.10)	0.22 (0.09)	0.00 (0.00)	0.00 (0.00)
Df(1)ED7635	19A2 - 19C1	278714	0.41 (0.07)	0.28 (0.16)	0.04 (0.07)	0.00 (0.00)
Df(1)ED7664	19F1 - 19F6	250376	0.43 (0.12)	0.23 (0.05)	0.00 (0.00)	0.00 (0.00)
Df(1)ED11354	61B1 - 61C1	191859	0.37 (0.16)	0.13 (0.09)	0.00 (0.00)	0.00 (0.00)
Df(1)ED11437	2F6 - 3A4	518880	0.32 (0.06)	0.11 (0.10)	0.00 (0.00)	0.00 (0.00)
Df(1)ED12405	19C4 - 19E5	594760	0.41 (0.18)	0.18 (0.08)	0.00 (0.00)	0.00 (0.00)
Df(1)ED12425	19E7 - 19F3	216238	0.41 (0.18)	0.43 (0.21)	0.00 (0.00)	0.00 (0.00)
Df(1)ED12432	20C1 - 20C1	97858	0.39 (0.09)	0.48 (0.19)	0.34 (0.10)	0.34 (0.09)
Df(1)ED13157	18F4 - 19C1	288549	0.44 (0.20)	0.17 (0.06)	0.05 (0.04)	0.05 (0.11)
Df(1)ED13478	16F6 - 16F7	16605	0.42 (0.13)	0.55 (0.12)	0.00 (0.00)	0.00 (0.00)
Df(1)ED14021	20C1 - 20E1	320915	0.46 (0.15)	0.55 (0.16)	0.00 (0.00)	0.00 (0.00)