

**Supplementary Table 6a.** Silent site divergence estimates and number of amino acid differences at positively selected sites for all pairs of *S-RNase* alleles with less than 5% amino acid differences in Fig. 1a. Differences located outside the region analyzed in Vieira *et al.* (2007b) are marked with the + signal.

Comparison type	Code in Fig. 1a	Comparison		<i>K<sub>s</sub></i>	Number of amino acid differences	Number of indel differences	Sites under selection
Within <i>Amygdalus</i>	2	<i>P. webbii</i> S10	<i>P. tenella</i> S7	0.038	3+1	0	0
	5	<i>P. dulcis</i> S11	<i>P. tenella</i> S8	0.027	0+1	0	-
	10	<i>P. dulcis</i> S21	<i>P. webbii</i> S6	0.009	2	1	1
	11	<i>P. dulcis</i> Sm	<i>P. persica</i> S2	0.062	4+6	1+1	3
	13	<i>P. dulcis</i> S2	<i>P. webbii</i> S5	0.003	0	0	-
	16	<i>P. dulcis</i> S62	<i>P. webbii</i> S7	0.007	1	0	1
	31	<i>P. dulcis</i> Sf	<i>P. webbii</i> S9	0.004	1	0	0
	23	<i>P. dulcis</i> Sn	<i>P. tenella</i> S9	0.027	3	0	1
	34	<i>P. dulcis</i> S30	<i>P. webbii</i> S3b	0.001	0	0	-
	Within <i>Prunus</i>	6	<i>P. armeniaca</i> S10	<i>P. salicina</i> S7	0.010	1	2
7		<i>P. armeniaca</i> S17	<i>P. spinosa</i> S3.1 and S3.2	0.010	1	0	1
7		<i>P. armeniaca</i> S17	<i>P. mume</i> S11	0.000	0	0	-
7		<i>P. mume</i> S11	<i>P. spinosa</i> S3.1 and S3.2	0.013	0	0	-
11		<i>P. armeniaca</i> S16	<i>P. salicina</i> Sa	0.015	1	0	1
19		<i>P. mume</i> S12	<i>P. salicina</i> Sk	0.098	2	0	1
14		<i>P. armeniaca</i> Sh	<i>P. salicina</i> Sh	0.014	1	0	0
21		<i>P. mume</i> PMSRN-7	<i>P. salicina</i> Sg	0.038	1	0	1
29		<i>P. armeniaca</i> S19	<i>P. spinosa</i> S1	0.042	1	0	0
30		<i>P. armeniaca</i> S8b	<i>P. salicina</i> S8	0.061	3	0	1

	33	<i>P. mume</i> S1	<i>P. salicina</i> S10	0.053	5	0	4
	15	<i>P. armeniaca</i> S9	<i>P. mume</i> S13	0.028	2	0	0
	15	<i>P. armeniaca</i> S9	<i>P. spinosa</i> S8	0.037	0	0	-
	15	<i>P. mume</i> S13	<i>P. spinosa</i> S8	0.029	2	0	0
	35	<i>P. mume</i> PMSRN-4	<i>P. salicina</i> Sf	0.086	1	0	0
	X2	<i>P. armeniaca</i> S14	<i>P. salicina</i> Sn	0.127	4	0	3
Within <i>Cerasus</i>	22	<i>P. avium</i> S13	<i>P. cerasus</i> S13	0.000	0	0	-
Between	2	<i>P. webbii</i> S10	<i>P. armeniaca</i> PA1	0.024	1	0	0
<i>Amygdalus</i> and							
<i>Prunus</i>							
	2	<i>P. tenella</i> S7	<i>P. armeniaca</i> PA1	0.037	2	0	0
	4	<i>P. dulcis</i> S24	<i>P. mume</i> PMSRN-5	0.055	3	0	2
	3	<i>P. dulcis</i> Sk	<i>P. spinosa</i> S6	0.043	11+1	1	5
	8	<i>P. dulcis</i> S13	<i>P. salicina</i> Sd	0.056	4	0	1
	11	<i>P. dulcis</i> Sm	<i>P. armeniaca</i> S16	0.184	2	0	1
	11	<i>P. dulcis</i> Sm	<i>P. salicina</i> Sa	0.092	7+9	1+1	4
	11	<i>P. persica</i> S2	<i>P. armeniaca</i> S16	0.034	1	0	1
	11	<i>P. persica</i> S2	<i>P. salicina</i> Sa	0.025	2+3	0	1
	12	<i>P. dulcis</i> S6	<i>P. mume</i> MSRN-2	0.009	3+1	0	0
	24	<i>P. dulcis</i> S25b	<i>P. spinosa</i> S15	0.047	3	0	0
	28	<i>P. dulcis</i> S18	<i>P. spinosa</i> S16	0.033	4	0	0
	26	<i>P. tenella</i> S1	<i>P. armeniaca</i> S4	0.053	1	0	0
	27	<i>P. webbii</i> S1a	<i>P. salicina</i> Sn	0.036	3	0	1
	35	<i>P. tenella</i> S3	<i>P. mume</i> PMSRN-4	0.069	1	0	0
	35	<i>P. tenella</i> S3	<i>P. salicina</i> Sf	0.030	0	0	-
	X1	<i>P. dulcis</i> S20	<i>P. armeniaca</i> S18b	0.203	3	0	2
	X2	<i>P. webbii</i> S1a	<i>P. armeniaca</i> S14	0.155	5	0	3
Between	1	<i>P. mume</i> S9	<i>P. pseudocerasus</i>	0.059	1	0	1
<i>Amygdalus</i> and			S1				
<i>Cerasus</i>							

	5	<i>P. dulcis</i> S11	<i>P. avium</i> S1	0.039	0+1	0	-
	5	<i>P. tenella</i> S8	<i>P. avium</i> S1	0.044	0	0	-
	3	<i>P. dulcis</i> Sk	<i>P. avium</i> S12	0.097	10+5	1	4
	18	<i>P. tenella</i> S5	<i>P. avium</i> S16	0.040	3	0	1
Between <i>Prunus</i> and <i>Cerasus</i>	3	<i>P. spinosa</i> S6	<i>P. avium</i> S12	0.046	5	0	1
	9	<i>P. salicina</i> Si	<i>P. avium</i> S23	0.094	3	0	1
	20	<i>P. armeniaca</i> S15	<i>P. avium</i> S10	0.051	1	1	0
	25	<i>P. armeniaca</i> S12b	<i>P. avium</i> S19	0.079	3	0	2
	32	<i>P. salicina</i> S12	<i>P. avium</i> S21 and S25	0.058	1	0	1
	17	<i>P. armeniaca</i> S18a	<i>P. avium</i> S6	0.050	3	2	3

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