

**On-line Supplement Tab. 1.** Percentages of variance of characters in the wild rose accessions studied and eigenvectors associated with the first three axes of the PCA. For the abbreviations of rose characters see Tabs. 2, 3 and 4.

Principal component (axes)	1	2	3
Percentage of variance	34.42	11.58	9.4
Characters	Eigenvectors		
Dia. Br	<b>0.52</b>	0.14	0.17
Dt. Pr	-0.02	0.28	-0.16
Dia. Pr	<b>0.76</b>	0.03	0.09
L. Pr	0.35	<b>0.64</b>	0.26
L. Pr. dig	0.53	0.50	0.20
L. Pr/Dia. Pr	-0.24	<b>0.60</b>	0.22
Nb. Lft	0.44	-0.26	0.12
L. Lf	<b>-0.53</b>	-0.37	<b>0.68</b>
W. Lf	<b>-0.72</b>	-0.45	0.35
L. ra	0.03	-0.33	<b>0.78</b>
L. Lft	<b>-0.60</b>	0.08	0.51
W. Lft	-0.44	-0.41	0.48
L. Lft/W. Lft	-0.31	0.47	0.22
L. pet	-0.23	0.30	0.45
L. st	-0.33	0.05	0.54
Lf. a	-0.45	-0.48	<b>0.60</b>
Nb. Pr. ra	0.24	-0.19	-0.01
Lft. ser	<b>0.57</b>	-0.30	-0.11
Gl. uLft	<b>0.63</b>	<b>-0.62</b>	-0.05
Bs. uLft	<b>0.77</b>	-0.02	0.24
Nb. Fl. co	<b>-0.50</b>	0.11	-0.18
L. co	<b>-0.74</b>	0.12	-0.27
L. ped	<b>-0.68</b>	0.06	-0.26
Nb. Lft. Blt	<b>0.57</b>	0.12	0.22
L. rep	<b>0.73</b>	0.20	-0.09
W. rep	<b>0.56</b>	0.16	0.15
L. sty	<b>-0.93</b>	0.06	-0.15
W. sty	<b>0.51</b>	0.28	0.24
Dia. rep. o	0.10	0.24	0.41
Nb. s. lob	<b>0.80</b>	0.05	-0.01
Nb. lob. s	<b>0.90</b>	-0.01	0.10
L. s	<b>0.73</b>	-0.25	-0.03
W. s	0.62	-0.64	-0.04
L. p	0.05	-0.36	-0.33
W. p	0.08	-0.34	-0.35
Gl. ped	<b>-0.97</b>	-0.03	-0.13
Gl. rep	<b>-0.97</b>	-0.03	-0.13
Gl. s	<b>-0.97</b>	-0.03	-0.13