

Table S6. Upper part. Number of genes of *V. speciosa* that have homologous genes in each of the other seven species analyzed. **Lower part.** Number of genes of each species having homologous genes in *V. speciosa*.

Species	One-to-one*	One-to-many*	Many-to-one*	Many-to-many*	Total
<i>Arabidopsis thaliana</i>	1539	2568	3009	6716	13832
<i>Azolla filiculoides</i>	4139	1387	6536	3046	15108
<i>Physcomitrella patens</i>	1886	2152	3842	7070	14950
<i>Salvinia cucullata</i>	4370	1140	7008	2669	15187
<i>Sellaginella moellendorffii</i>	3254	865	7244	2926	14289
<i>Ceratodon purpureus</i>	2184	1812	5101	5767	14864
<i>Ceratopteris richardii</i>	2890	3518	4467	6259	17134

	<i>A. thaliana</i>	<i>A. filiculoides</i>	<i>P. patens</i>	<i>S. cucullata</i>	<i>S. moellendorffii</i>	<i>C. purpureus</i>	<i>C. richardii</i>
One-to-one*	1539	4139	1886	4370	3254	2184	2890
One-to-many*	1078	2549	1384	2711	2594	1734	1732
Many-to-one*	9714	3500	6490	2780	2420	6258	9778
Many-to-many*	9738	2786	7641	2343	2545	6803	6737
Total	22069	12974	17401	12204	10813	16979	21137

*One-to-one: One gene in species A is homologous to other gene in species B

One-to-many: One gene in species A is homologous to several paralogous genes in species B

Many-to-one: Several paralogous genes in species A are homologous to just one gene in species B

Many-to-many: Several paralogous genes in species A are homologous to several paralogous genes in species B