

**Table S1.** *S. carpocapsae* scaffolds' size and their respective number of genes.

<b>Scaffolds names</b>	<b>Size (bp)</b>	<b>Number of genes</b>
Chromosome X	20,922,283	6,776
Scaffold 1	10,667,315	4,178
Scaffold 2	7,849,269	2,985
Scaffold 3	7,362,381	2,988
Scaffold 4	6,281,995	2,258
Scaffold 5	5,918,336	2,075
Scaffold 6	4,503,743	1,813
Scaffold 7	4,445,334	1,594
Scaffold 8	4,020,605	1,373
Scaffold 9	3,654,988	1,471
Scaffold 10	3,583,767	1,503
Scaffold 11	1,806,464	724
Scaffold 12	1,744,715	588
Scaffold 13	1,168,849	426
Scaffold 14	375,282	133
Scaffold 15	207,283	72