

# Sexual compatibility of transgenic soybean and different wild soybean populations

## Supplementary files

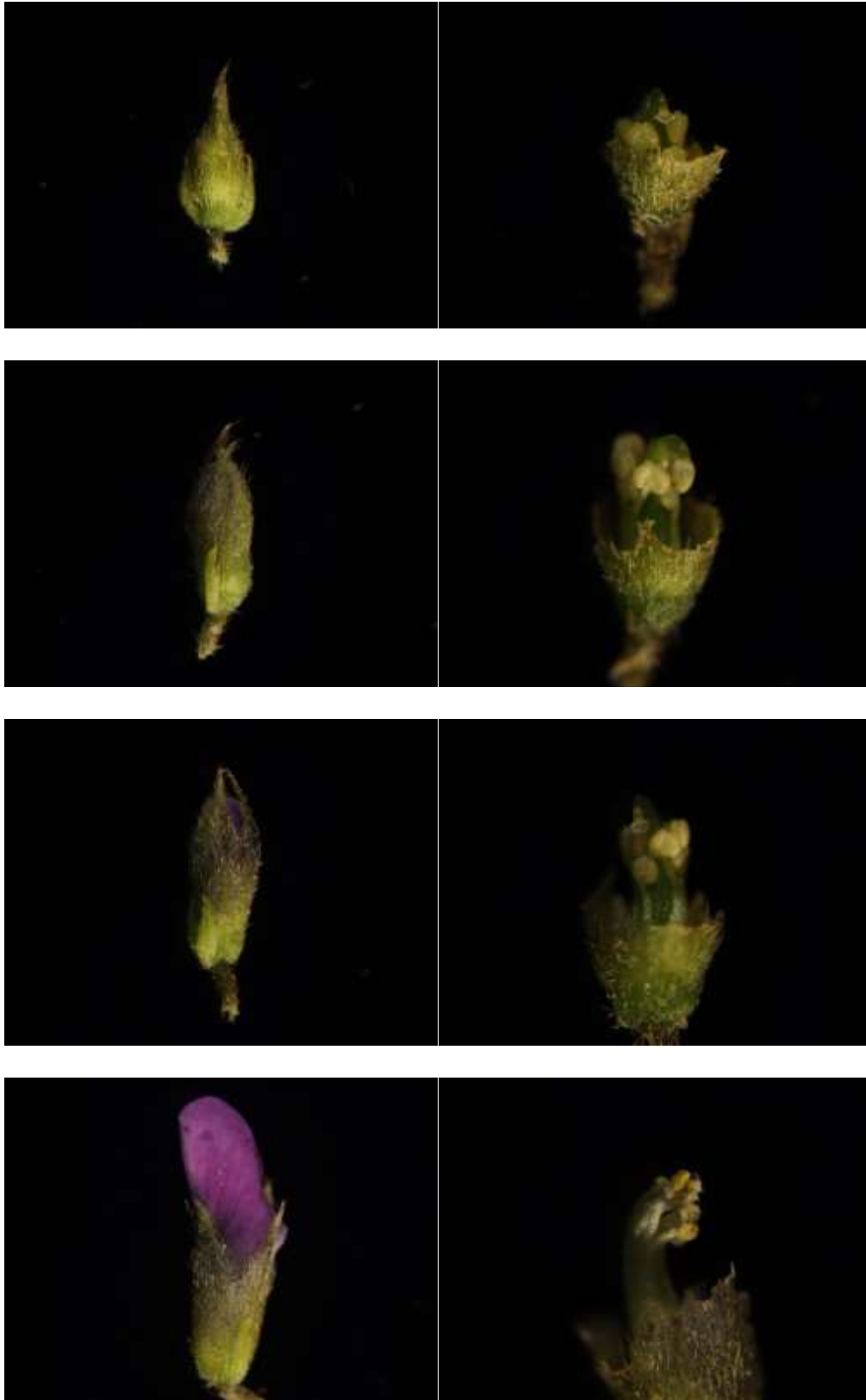


**Supplementary Fig. 1** transgenic soybean flower buds which were selected as pollen supplier.

(left, whole flower; Right, removed petals flower)



**Supplementary Fig. 2** The flower of wild soybean



**Supplementary Fig.3** Flower buds development for wild soybean on 4 different stages

Note: From up to bottom represent stage 1 to stage 4, Left is the whole flower, Right, removed petals flower

**Supplementary Table 1** The different seeds number and filled seeds number in single pod of wild soybean after self-pollination and cross by glyphosate-resistant transgenic soybean

Population	Self-pollination				Crossed by transgenic soybean			
	SN	Percentage (%)	FSN	Percentage (%)	SN	Percentage (%)	FSN	Percentage (%)
HLJHRB-1	2	17.50	1	3.75	1	46.67	0	80.00
	3	73.75	2	33.75	2	53.33	1	20.00
	4	8.75	3	62.50				
HLJHRB-2	2	30.00	1	1.25	1	38.71	0	72.58
	3	63.75	2	52.50	2	50.00	1	27.42
	4	6.25	3	45.00	3	11.29		
			4	1.25				
JLBC-1	2	22.50	1	2.50	1	68.75	0	70.00
	3	73.75	2	47.50	2	27.50	1	30.00
	4	3.75	3	50.00	3	3.75		
JLBC-2	2	18.75	1	5.00	1	25.58	0	67.44
	3	72.50	2	40.00	2	41.86	1	32.56
	4	8.75	3	51.25	3	32.56		
			4	3.75				
LNTL	1	0.63	1	13.12	1	50.70	0	80.28
	2	15.63	2	61.88	2	40.85	1	18.31
	3	63.74	3	24.37	3	8.45	2	1.41
	4	20.00	4	0.63				
LNSY	2	13.75	1	2.50	1	42.00	0	62.00
	3	76.25	2	35.00	2	52.00	1	38.00
	4	10.00	3	60.00	3	6.00		
			4	2.50				
IMBT	2	37.50	1	13.75	1	37.50	0	64.06
	3	60.00	2	60.00	2	54.69	1	34.38
	4	2.50	3	26.25	3	7.81	2	1.56
HBBD	1	1.25	1	7.50	1	38.46	0	76.92
	2	15.00	2	38.75	2	46.15	1	23.08
	3	80.00	3	52.50	3	15.39		
	4	3.75	4	1.25				
SDDY	2	32.50	0	7.50	1	42.86	0	71.43
	3	65.00	1	31.25	2	42.86	1	28.57
	4	2.50	2	45.00	3	14.28		
			3	16.25				
HBHD	1	1.25	1	10.62	1	36.91	0	55.95
	2	26.25	2	58.13	2	54.76	1	40.48
	3	66.87	3	31.25	3	8.33	2	3.57
	4	5.63						

Continued

Population	Self-pollination				Crossed by transgenic soybean			
	SN	Percentage (%)	FSN	Percentage (%)	SN	Percentage (%)	FSN	Percentage (%)
GSBY	2	22.50	1	3.75	1	68.09	0	65.96
	3	68.75	2	40.00	2	27.66	1	34.04
	4	8.75	3	55.00	3	4.25		
			4	1.25				
HNSQ	2	46.25	1	10.00	1	60.76	0	64.55
	3	51.25	2	70.00	2	37.97	1	34.18
	4	2.50	3	20.00	3	1.27	2	1.27
JSCZ	2	7.50	1	0.63	1	60.00	0	60.00
	3	63.75	2	36.87	2	28.00	1	40.00
	4	28.75	3	55.62	3	12.00		
			4	6.88				
AHAQ	1	0.63	0	0.63	1	52.63	0	63.16
	2	30.62	1	15.63	2	47.37	1	36.84
	3	55.00	2	51.23				
	4	13.75	3	31.88				
		4	0.63					
ZJHN	1	0.63	1	10.00	1	53.57	0	60.71
	2	36.25	2	50.62	2	39.29	1	39.29
	3	45.62	3	35.00	3	7.14		
	4	17.50	4	4.38				
JXYT	1	1.25	1	7.50	1	70.42	0	59.15
	2	27.50	2	45.00	2	29.58	1	40.85
	3	68.75	3	47.50				
	4	2.50						
HNCZ	2	30.00	1	13.75	1	54.72	0	64.15
	3	56.25	2	67.50	2	41.51	1	35.85
	4	13.75	3	17.50	3	3.77		
			4	1.25				
GXGL	2	33.75	1	7.50	1	50.00	0	66.67
	3	65.00	2	58.75	2	50.00	1	33.33
	4	1.25	3	33.75				