

Table S3. Correlation among phenological and morphological traits. N=365

	WG		AL		PL		OL		OD		STE		NP		NFL		NSF		NLC		SD	
<i>Genetic (n=24)</i>																						
Anther length (AL)	0.28	ns	-																			
Petal length (PL)	0.43	*	0.94	***	-																	
Ovary length (OL)	-0.39	ns	-0.81	***	-0.75	***	-															
Ovary diameter (OD)	-0.12	ns	-0.36	ns	-0.26	ns	0.33	ns	-													
Stigma exertion (STE)	0.30	ns	0.16	ns	0.27	ns	-0.06	ns	0.06	ns	-											
Number of petals (NP)	0.08	ns	-0.04	ns	-0.12	ns	-0.11	ns	-0.72	***	-0.12	ns	-									
Number of flowers (NFL)	-0.08	ns	0.26	ns	0.18	ns	-0.20	ns	0.04	ns	0.04	ns	-0.11	ns	-							
Number of set flowers (NSF)	-0.46	*	-0.13	ns	-0.27	ns	0.06	ns	0.27	ns	-0.44	*	-0.10	ns	0.33	ns	-					
Number of locules (NLC)	0.22	ns	-0.28	ns	-0.29	ns	0.23	ns	-0.38	ns	-0.06	ns	0.48	*	-0.21	ns	-0.20	ns	-			
Stem diameter (SD)	0.45	*	0.72	***	0.73	***	-0.55	**	-0.15	ns	0.51	*	-0.05	ns	0.26	ns	-0.30	ns	-0.30	ns	-	
Cluster phenology (CDD)	-0.14	ns	0.03	ns	0.00	ns	-0.13	ns	0.16	ns	0.36	ns	-0.10	ns	0.40	ns	0.07	ns	-0.47	*	0.36	ns
<i>Phenotypic (n=365)</i>																						
Anther length (AL)	0.19	***	-																			
Petal length (PL)	0.22	***	0.78	***	-																	
Ovary length (OL)	0.12	*	0.51	***	0.53	***	-															
Ovary diameter (OD)	0.22	***	0.21	***	0.25	***	0.32	***	-													
Stigma exertion (STE)	0.10	ns	-0.06	ns	0.02	ns	0.07	ns	0.02	ns	-											
Number of petals (NP)	0.14	**	-0.09	ns	-0.06	ns	0.08	ns	0.68	***	0.01	ns	-									
Number of flowers (NFL)	-0.06	ns	0.01	ns	0.00	ns	0.04	ns	0.02	ns	0.04	ns	0.08	ns	-							
Number of set flowers (NSF)	-0.18	***	-0.13	*	-0.10	*	-0.10	ns	-0.07	ns	-0.06	ns	0.05	ns	0.73	***	-					
Number of locules (NLC)	0.51	***	-0.14	**	-0.15	**	-0.10	*	0.31	***	0.03	ns	0.37	***	0.02	ns	-0.06	ns	-			
Stem diameter (SD)	0.19	***	0.39	***	0.38	***	0.20	***	0.12	*	0.13	**	-0.03	ns	0.16	**	0.09	ns	-0.06	ns		
Cluster phenology (CDD)	0.08	ns	-0.04	ns	0.00	ns	0.00	ns	0.14	**	-0.20	**	0.11	*	-0.08	ns	-0.10	*	0.22	***	-0.34	***

Anther length (AL), petal length (PL), ovary length (OL), style length (STL), ovary maximum diameter (OD), stigma exertion (STE), number of petals (NP), number of flowers (NFL), number of flowers set NSF), fresh weight (WG), number of locules (NLC), mean thermal time to cluster develop (CDD). Level of statistical significance: *: p-value \leq 0.05; **: p-value \leq 0.01; ***: p-value \leq 0.001, ns: not significant