

Table S3. Differential gene expression between *Capsella* species/population in three tissues.

Tissue	Comparison														
	CG vs ASI	CG vs EUR	CG vs ME	CG vs CASI	CO vs ASI	CO vs EUR	CO vs ME	CO vs CASI	ASI vs EUR	ASI vs ME	EUR vs ME	ASI vs CASI	EUR vs CASI	ME vs CASI	
Flowers	3946	3677	3723	3395	2467	3069	2358	2084	907	908	680	645	62	458	
Leaves	851	1192	1031	1055	1154	1392	978	1612	394	551	245	360	7	212	
Roots	1868	2123	1533	1592	2167	4000	2138	3305	847	1052	514	570	7	358	

CO, CG, ASI, CASI, EUR, and ME correspond to *C. orientalis*, *C. grandiflora*, and four populations of *C. bursa-pastoris*, respectively. The analysis was performed on the unphased expression data of 16,032 genes with the significance level set to 0.05. The smallest differences between species/population per tissue are in bold.