

TABLE S4

Expression analysis of imprinted genes in the literature

Tissue ^a	Imprinting Status ^b	Paternal Bias	# of genes	Expressed Col-0 X Aa ^c	Expressed C24 X Aa	Expressed Col-0 X C24	Expressed C24 X Col-0
Endosperm (65)	Imprinted	PEG	11	7	7	9	9
	Unknown	PEG	54	51	49	47	52

^a Seed compartment for which expression pattern was observed.

^b TAIR annotated imprinted genes expressed in parent-of-origin specific manner with known epigenetic processes that establish allele-specific silencing. “Unknown” genes referenced in literature as having paternally-biased expression.

^c Expressed at coverage > 5 reads.

^d Aa, *Arabidopsis arenosa*.