

Average weighted methylation levels in twenty genes known to be associated with ADB susceptibility, for all low and high susceptibility samples. 'PD' is short for 'PREDICTED' in second column. Methylation levels only calculated for genes with at least ten cytosines of the sequence context in question, i.e. some genes only have CHH listed as there were <10 CG and CHG cytosines. \pm denotes standard error.

Gene	Top BLASTX hit	Mean weighted methylation		T-test p-value	FDR-corrected p-value
		Low susceptibility	High susceptibility		
298540	PD: calcium-transporting ATPase 9, plasma membrane-type [Erythranthe guttata]	CG:0.57 \pm 0.08 CHG:0.003 \pm 0.0018 CHH:0.0047 \pm 0.002	CG:0.46 \pm 0.06 CHG:0.003 \pm 0.0015 CHH:0.007 \pm 0.0036	CG:0.308 CHG:0.896 CHH:0.503	CG:0.676 CHG:0.922 CHH:0.744
368850	PD: uncharacterized protein LOC105163554 [Sesamum indicum]	CHG:0.012 \pm 0.003 CHH:0.0145 \pm 0.005	CHG:0.016 \pm 0.009 CHH:0.022 \pm 0.014	CHG:0.701 CHH:0.521	CHG:0.841 CHH:0.744
261470	soc1-like protein [Olea europaea]	CG:0.898 \pm 0.012 CHG:0.831 \pm 0.014 CHH: 0.188 \pm 0.012	CG:0.946 \pm 0.019 CHG:0.886 \pm 0.012 CHH:0.202 \pm 0.021	CG:0.037 CHG:0.016 CHH:0.537	CG:0.444 CHG:0.288 CHH:0.744
251090	PD: MADS-box protein SVP-like isoform X1 [Sesamum indicum]	CHH:0.026 \pm 0.009	CHH:0.047 \pm 0.015	CHH:0.223	CHH:0.643
048340	PD: MADS-box protein SVP-like [Sesamum indicum]	CG:0.854 \pm 0.03 CHG:0.512 \pm 0.046 CHH:0.098 \pm 0.009	CG:0.773 \pm 0.037 CHG:0.521 \pm 0.027 CHH:0.101 \pm 0.015	CG:0.300 CHG:0.879 CHH:0.848	CG:0.657 CHG:0.922 CHH:0.922
178910	PD: cinnamoyl-CoA reductase 2 [Sesamum indicum]	CHH:0.122 \pm 0.037	CHH:0.078 \pm 0.04	CHH:0.442	CHH:0.723
245740	PD: mitochondrial arginine transporter BAC2-like [Solanum pennellii]	CHG:0.129 \pm 0.03 CHH:0.155 \pm 0.034	CHG:0.095 \pm 0.016 CHH:0.157 \pm 0.043	CHG:0.405 CHH:0.976	CHG:0.709 CHH:0.976
173540	PD: MADS-box protein SVP-like isoform X1 [Nelumbo nucifera]	CG:0.6410.033 CHG:0.454 \pm 0.029 CHH:0.096 \pm 0.021	CG:0.697 \pm 0.081 CHG:0.412 \pm 0.07 CHH:0.057 \pm 0.009	CG:0.455 CHG:0.522 CHH:0.106	CG:0.723 CHG:0.723 CHH:0.509
032420	PD: uncharacterized protein LOC105168112 [Sesamum indicum]	CHH:0.101 \pm 0.029	CHH:0.192 \pm 0.056	CHH:0.131	CHH:0.509
265110	PD: potassium channel KAT3 [Erythranthe guttata]	CHH:0.023 \pm 0.007	CHH:0.005 \pm 0.003	CHH:0.123	CHH:0.509
262400	PD: serine/threonine-protein kinase AFC2 isoform X1 [Sesamum indicum]	CG:0.595 \pm 0.113 CHG:0.015 \pm 0.009 CHH:0.006 \pm 0.003	CG:0.513 \pm 0.059 CHG:0.003 \pm 0.003 CHH:0.001 \pm 0.0008	CG:0.599 CHG:0.239 CHH:0.112	CG:0.776 CHG:0.643 CHH:0.509
347350	PD: glucuronoxylan 4-O-methyltransferase 1-like [Sesamum indicum]	CHH:0.0025 \pm 0.002	CHH:0.003 \pm 0.003	CHH:0.858	CHH:0.922
048360	PD: MADS-box protein SVP-like isoform X1 [Sesamum indicum]	CG:0.772 \pm 0.038 CHG:0.519 \pm 0.052 CHH:0.135 \pm 0.024	CG:0.790 \pm 0.026 CHG:0.590 \pm 0.021 CHH:0.176 \pm 0.009	CG:0.737 CHG:0.228 CHH:0.126	CG:0.86 CHG:0.643 CHH:0.509
199890	PD: uncharacterized protein LOC105957157 [Erythranthe guttata]	CHH:0.292 \pm 0.053	CHH:0.193 \pm 0.092	CHH:0.329	CHH:0.657
178920	PD: cinnamoyl-CoA reductase 2 [Sesamum indicum]	CG:0.574 \pm 0.085 CHG:0.028 \pm 0.008 CHH:0.018 \pm 0.005	CG:0.372 \pm 0.028 CHG:0.107 \pm 0.011 CHH:0.014 \pm 0.006	CG:0.087 CHG:<0.001 CHH:0.645	CG:0.509 CHG:0.007 CHH:0.806
249100	PD: MADS-box protein SOC1-like isoform X1 [Sesamum indicum]	CG:0.864 \pm 0.018 CHG:0.579 \pm 0.051 CHH:0.132 \pm 0.013	CG:0.845 \pm 0.041 CHG:0.456 \pm 0.066 CHH:0.114 \pm 0.011	CG:0.634 CHG:0.159 CHH:0.399	CG:0.806 CHG:0.557 CHH:0.709
318210	PD: protein EMBRYONIC FLOWER 1 isoform X1 [Sesamum indicum]	CHG:0.020 \pm 0.006 CHH:0.006 \pm 0.004	CHG:0.008 \pm 0.008 CHH:0.002 \pm 0.001	CHG:0.297 CHH:0.338	CHG:0.657 CHH:0.657