

Table S5. Gene lists for identifying the LDL3 target candidate genes

Hyper H3K4me2 in <i>Atf3</i> on CIM(6539 genes)	LDL3 bound genes on CIM(6243 genes)	Up-regulated by shoot induction in WT(UGs S1, 1678 genes)	Down-regulated in <i>Atf3</i> compared to WT on SIM(932 genes)	LDL3 target candidate genes(16 genes)
AT1G01040	AT1G01040	AT1G01010	AT1G01060	AT1G18460
AT1G01046	AT1G01050	AT1G01090	AT1G01560	AT1G30270
AT1G01050	AT1G01090	AT1G01480	AT1G01680	AT1G76550
AT1G01160	AT1G01100	AT1G01490	AT1G02120	AT2G30600
AT1G01220	AT1G01160	AT1G01700	AT1G02250	AT2G34750
AT1G01230	AT1G01170	AT1G02205	AT1G02450	AT3G02470
AT1G01320	AT1G01220	AT1G02230	AT1G02840	AT3G22200
AT1G01440	AT1G01230	AT1G02250	AT1G03850	AT3G24180
AT1G01448	AT1G01320	AT1G02450	AT1G03870	AT3G55610
AT1G01450	AT1G01490	AT1G02500	AT1G04180	AT4G38470
AT1G01510	AT1G01510	AT1G02950	AT1G04280	AT4G39850
AT1G01540	AT1G01550	AT1G03440	AT1G04660	AT5G02880
AT1G01550	AT1G01650	AT1G03840	AT1G04710	AT5G13710
AT1G01650	AT1G01670	AT1G03850	AT1G04810	AT5G23380
AT1G01660	AT1G01690	AT1G03870	AT1G05240	AT5G53460
AT1G01670	AT1G01710	AT1G03920	AT1G05250	AT5G56890
AT1G01740	AT1G01820	AT1G04280	AT1G05400	
AT1G01750	AT1G01830	AT1G04680	AT1G05760	
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AT1G01820	AT1G01920	AT1G05340	AT1G06080	
AT1G01860	AT1G01940	AT1G05470	AT1G06430	
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AT1G01960	AT1G02080	AT1G05770	AT1G08210	
AT1G02010	AT1G02100	AT1G05805	AT1G08320	
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AT1G02080	AT1G02180	AT1G06000	AT1G08520	
AT1G02100	AT1G02270	AT1G06030	AT1G08590	
AT1G02120	AT1G02280	AT1G06040	AT1G08670	
AT1G02145	AT1G02305	AT1G06149	AT1G09010	
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