Supplementary Table 2. Glandular trichome development transcription factors in *Solanum lycopersicum*

Gene Name	TF Family	GT Type	Key Target Gene(s)	Evidence Type	Gene Function Identification	References
SlHD8 (+)	HD-Zip IV	Most types of trichomes	*SlnsLTP33*	DLR	RNAi	[12]
			SlnsLTP33	Y2H/BiFC/Co-IP		
			SlCycB2	DLR/EMSA		
SlCD2 (+)	HD-Zip IV		*SlnsLTP33*	DLR/EMSA	-	
			SlnsLTP33	Y2H/BiFC/Co-IP		
			SlCycB2	DLR/EMSA		
SlHD9 (+)	HD-Zip IV	VI/VII	SlHD3	Y2H/BiFC	CRISPR-Cas9/VIGS	[13]
SlHair (+)	C2H2	I	SlWoolly	Y2H/pull-down	Ectopic Expression	[14]
SlbHLH95 (+)	bHLH	I	*SlGA20ox2/SlKS5*	Y1H/DLR	OE	[15]
SlARF4 (-)	ARF	II/VI	*SlASR3*	Y1H/DLR/EMSA/ChIP-qPCR	OE/RNAi/VIGS	[16]
SlGCR1/2 (-)	MYB-like	DGT/PGT	SlTOE1	Y2H/BiFC/Pull-down/Co-IP	Mutant/Ectopic Expression	[17]
			SlLFS	Y1H/DNA-IP/ChIP-qPCR		
SlGRAS9 (+)	GRAS	VI	*SlMYC1*	Y1H/DLR/EMSA	OE/CRISPR-Cas9	[18]
SlHDZ38 (+)	HD-Zip IV	VI	-	-	Mutant/VIGS	[19]
SlCycB2 (-)	Cyclins	I/VI	-	-	OE/RNAi	[20]
SlARF3 (+)	ARF	I/V/VI	-	-	RNAi	[21]
SlSCL3 (+)	scarecrow-like subfamily	VI	-	-	OE/VIGS/CRISPR-Cas9	[22]

*(+): Positive regulation of GT development. (−): Negative regulation of GT development.

DGT: digitate glandular trichomes, PGT: peltate glandular trichomes

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