Supplemental Dataset 3. Summary of previous studies on wild-type Arabidopsis genome-wide cold response.

Work using microarray	**Plant material, age and organs harvested**	**Growth conditions and cold treatment**	**No. of DE/DAS genes**
(Vogel et al., 2005)	Soil: root and shoot tissue from 10-day-old seedlings; Plates: shoot from 18-day-old plants Col-0 constitutively expressing ZAT12, RAV1, MYB73, CZF2, STZ/ZAT10 or CBF2	constant light soil (22 °C); plates (24 °C); 4°C for 1 h, 24 h, and 7 days	514 DE
(Carvallo et al., 2011)	Col-0; Re-analysis of published microarray data (incl Vogel et al 2005; Kilian et al., 2007) plus new data	early cold response, 24 h cold response, and 7 d cold response	2246 DE
(Leviatan et al., 2013)	2 week Col-0 plants	16h light/8 h dark (long day), 22 °C; 4C 24h	204 DAS
Work using RNA-seq			
(Gehan et al., 2015)	Rosette leaf tissue. Swedish and Italian ecotypes	Plate then soil 12/12 h dark/ light, 100-120 μmol.m-2.s-1; 22°C; 18 days; 1 or 2 weeks at 4°C	7119 DE
(Jia et al., 2016)	14-day old seedlings from Columbia ecotype	Seedlings grown on MS medium at 22°C under a 16h:8h light:dark regime for 14 days then transferred to 4°C and harvested at 0, 3 and 24h.	3334 DE (134 CBF regulon)
(Zhao et al., 2016)	Col-0 ecotype.	Seeds were grown on at 23°C under a 16h:8h light:dark regime then transferred to 4°C and harvested at 0, 3 and 24h.	4074 DE (414 CBF regulon)

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