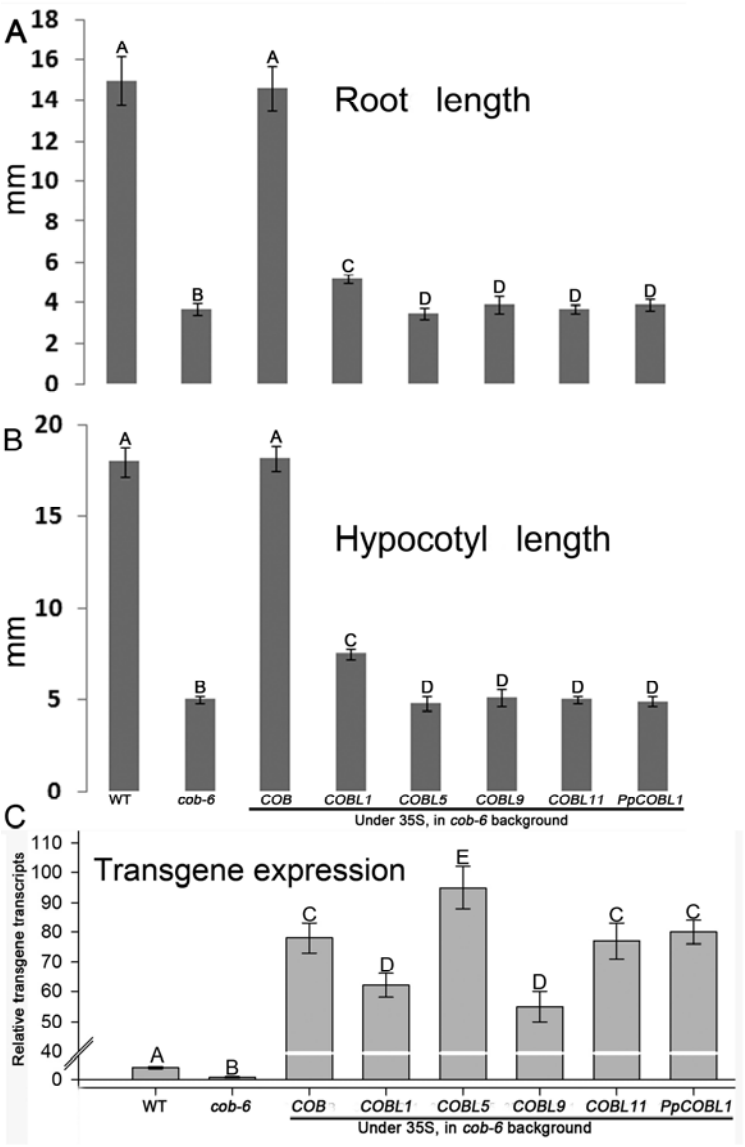
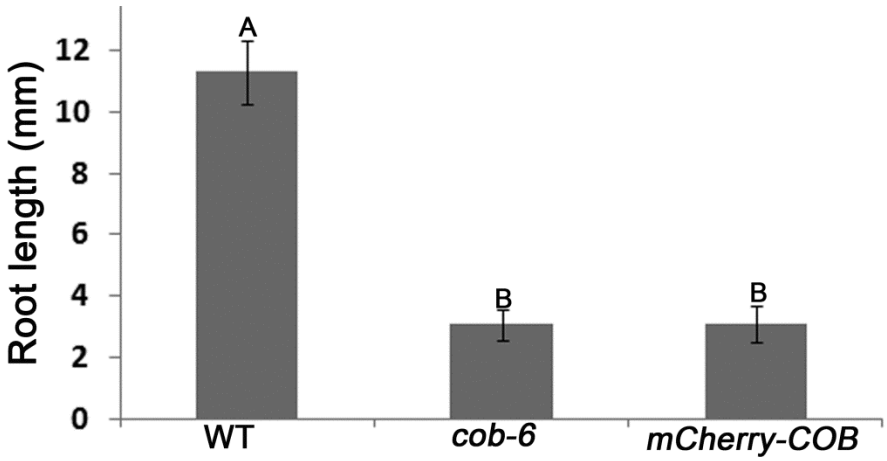
Supplementary file



Supplementary figure 1 – Transgenic lines characterization. A) Root length and B) hypocotyl length averages of the lines shown in figure 2. n = 50. C) RNA levels of COBRA in WT and cobra, and the different COBL transgenes. Letters represent statistical differences based on ANOVA coupled with TUKEY test, $P<0.05$.



Supplementary figure 2 – Transgenic lines with mCherry insertion in the variable region fail to complement cob-6. Root length averages of WT, cob-6 and a transgenic line expressing COBRA genomic sequence with mCherry inserted after A274 under COBRA promoter (mCherry-COB), n = 50. For mCherry-COB, ten independent lines were tested. Letters represent statistical differences based on ANOVA coupled with TUKEY test, $P<0.05$.

Table S1 – plasmids used in this study

Plasmid name	Description	Source
pGEX4T-2	N terminus GST expression	GE Healthcare
PCR8	Entry vector	Invitrogen
pDONOR P4-P1R	Promoter entry vector	http://www.psb.ugent.be/
pDONOR 207	1st gene entry vector	http://www.psb.ugent.be/
pDONOR P2R-P3	2nd gene entry vector	http://www.psb.ugent.be/
pH7 mu34GW	Plant expression vector	http://www.psb.ugent.be/
NS30	*35S promoter* in pDONOR P4-P1R	This study
NS60	NOS terminator in pDONOR P2R-P3	Carroll et al., 2012
NS97	p35::COBRA:NOS in pH7 mu34GW	This study
NS90	p35S::COBL1:NOS in pH7 mu34GW	This study
NS91	p35S::COBL5:NOS in pH7 mu34GW	This study
NS92	p35S::COBL9:NOS in pH7 mu34GW	This study
NS93	p35S::COBL11:NOS in pH7 mu34GW	This study
NS94	p35S::PpCOBL1:NOS in pH7 mu34GW	This study
NS110	GST-COBRA in pDET115	This study
NS111	GST-COBL1 in pDET115	This study
NS114	mCherry-COB	This Study