

Table S7 Primers in the study

Primer	Sequence of primer (5' to 3')
UBQ F	ACCCTGGCTGACTACAACATC
UBQ R	AGTTGACAGCCCTAGGGTG
4-2880F	ACCGACGAGAGAAATGAAGC
4-2880R	CAGCTCCACTCCCAGTTTTG
4-2870F	TTCCGACCCAAAGAAAAATG
4-2870R	CCCCCACCTTTCACAGTAGA
4-2860F	GCGTGCAAATCCATTATGTG
4-2860R	TCGTTGCTTCCATGTCAGAG
4-2850F	GGAGATTTACGCCTCTCAG
4-2850R	GCCTCTTCCTTTGCCTTCTT
4-2840F	CAAGCATGAAAACCTCGTCA
4-2840R	GCCTTTATGTCACGGTGGAT
4-2830F	GCGAGCAGATCAGACTACCC
4-2830R	CTGCACAAGAGAAGCACTCG
4-2820F	GTGGTGGAGAAAGAGCATCC
4-2820R	GCTCGAAATCTGCTCCAAAC
4-2810F	CACCAAGGGCAGTAGTCTCC
4-2810R	CTCAGCAGGTCCCTGAAGTC
4-2770F	ATGCAGAATTTGCACCCTTC
4-2770R	GAATTCCTCTCCGTGATCCA
4-2780F	ACAATCTTGACGGGGAGTTG
4-2780R	ATGACCTCCAGGTTCTGTGAG
4-2790F	TACCTAGGCATCTCGGCTTC
4-2790R	GGGGAGAGGTGGAGGAAGTA
4-2800F	GATGGCGAGTTCGAGTTCAG
4-2800R	CTCGTCCTCTTCGACACGA
RW _x -Fg	GAAGGTGACCAAGTTCATGCTTCATCAGGAAGAACATCTGCAAGG
RW _x -Ft	GAAGGTTCGGAGTCAACGGATTTTCATCAGGAAGAACATCTGCAAGT
RW _x -R	GGAAAAACGAGCAATGAAAGATGC
<i>alk</i> -Ftt	GAAGGTGACCAAGTTCATGCTTACAAGGAGAGCTGGAGGGGTT
<i>alk</i> -Fgc	GAAGGTTCGGAGTCAACGGATTTACAAGGAGAGCTGGAGGGGGC
<i>alk</i> -R	CTGAGGTCCCTGCGACATGC
<i>Chalk5b</i> -FT	GAAGGTTCGGAGTCAACGGATTAGAGAGAAGTGCCAAGGATCTGT
<i>Chalk5b</i> -FC	GAAGGTGACCAAGTTCATGCTAGAGAGAAGTGCCAAGGATCTGC
<i>Chalk5b</i> -R1	TGCATCTAGCTACCTTCATTTCG