

**S4 Table.**

Primers for preparing FISH probes.

Viewpoint	Primer name	Chr	Start	End	Primer sequence	Distance from the viewpoint
scs'_viewpoint	5' Primer_1 3' Primer_1 5' Primer_2 3' Primer_2 5' Primer_3 3' Primer_3 5' Primer_4 3' Primer_4	3R	11959448	11968943	GATCTTAAGGTCGTGGACTG TCGTGACTTTGTAGTGTAGAA TGTTCTGTAGTTGTGCGAGTG AACCCATTTTCGCTAGAGATTAG ACTGCTAATTCGGGACTAATAA CAACTGCAACTATGTACCTAAAG AATCTTGTGCTCACCATCG GCGGCACCTAACAGTAAAT	-
scs'_cis_750kb	5' Primer_1 3' Primer_1 5' Primer_2 3' Primer_2 5' Primer_3 3' Primer_3 5' Primer_4 3' Primer_4	3R	12707806	12714806	CGACTTTCGAACAGCTCATA GGTAAACGAAACACCCATAAAC CTGCAACACATTGAAGCAATA GGCGAACTCCATTGTGAA CCACATGAAGGCTCTCAAA TCAGGCTTACACTTAACTACAC TGGCTGAAATCGCTAAC GGCAAACTGTCCCTGTATA	~ 750 kbp
scs'_cis_200kb	5' Primer_1 3' Primer_1 5' Primer_2 3' Primer_2 5' Primer_3 3' Primer_3 5' Primer_5 3' Primer_5	3R	11756973	11763773	TAGCCGGGCGACTATTTA CCGCAAATGGCAACTTATT TAAGAGCTGTGACGGCAGAA GCAGGCTTCTAACTACGTACATATC TAATTGCGAGTGTCTGTTCCG AGAGACGGCACTAGTATCTCG CTTGACAAGCAGATTAGAAATTAGG TGAACGATTCCAACAGAAG	~ 200 kbp
hts'_viewpoint	5' Primer_1 3' Primer_1 5' Primer_2 3' Primer_2 5' Primer_3 3' Primer_3 5' Primer_4 3' Primer_4	2R	19423624	19426142	ACCAACGAGTCACGTCTAA CGGTGAGTATCTTGCATCTAC CACTCACTGTATGTGTAGAGG TCGTCAATAGGCACTGTATTT GGTTTCGCCGTAGAATTA TTCTGGCTGCGGAAATAG GAGAACTATGCTGTATCTTCC CAGGAATGTGTAGAGGGTAAAG	-
hts'_cis_850kb	5' Primer_1 3' Primer_1 5' Primer_2 3' Primer_2 5' Primer_3 3' Primer_3 5' Primer_4 3' Primer_4	2R	20271926	20278427	TGCAAATATCGAGTAAGAGGG CGTTAATCAAACGCAAGTACAG TGATCAGAGACCACCAAGTA TTCCAGTTCATCCTCCGT GTCAGTTCATGGAGGGATTG TGCCAACTATGATCCAGAAG GGATGGCGCTGAATAAAGTAGTAAAG AATCCAGACAGAGAGCGCAA	~ 850 kb
snf'_viewpoint	5' Primer_5 3' Primer_5 5' Primer_1 3' Primer_1 5' Primer_2 3' Primer_2 5' Primer_3 3' Primer_3	X	5303600	5312600	GATTCCTACGCAACTGACGA CAATCAGATACGCCAGTTAGAT AGCCATCTAGTTGATCCTAGT GTGCACGCTACCGTATTT TCGCTCGCTTTCATCAC AAGGAGCAATACGCTGTTT GGTGCATAACATATCGATAGAC CGAGGACTTGTGGGACTT	-
snf'_cis_404kb	5' Primer_1 3' Primer_1 5' Primer_2 3' Primer_2 5' Primer_3 3' Primer_3 5' Primer_5 3' Primer_5	X	4900951	4907451	GGCCAGAAAGCAAATATAGGG CACCCTACCCTGGTTAGAA CTTGCAACCAGATTGATTTATGC AACCAACCAACCGATCCAA TGCACGGCCTGAGTATTT TGGCAACAACTAAGTGAATA GCCGCATGAGTGGAATTT CCATCAACTGCCAAGATCAG	~ 404 kbp
RpS6'_viewpoint	5' Primer_1 3' Primer_1 5' Primer_2 3' Primer_2 5' Primer_3 3' Primer_3 5' Primer_4 3' Primer_4	X	7897240	7906240	CGCGGTGTTACTTCTTGT TGTCATCTCACTTCCCTCTATC GTGCTCACGGCGATATTTA AGTGCAGGACGGGAATA GCTGAAGATCTGTGAGATGG CGATCAAGAACAAGAAGCAAAT GTATTTACCCATTGGTCCGA TGATATCATTGCAAGTGTCAAG	-
RpS6'_cis_3054kb	5' Primer_1 3' Primer_1 5' Primer_2 3' Primer_2 5' Primer_3 3' Primer_3 5' Primer_4 3' Primer_4 5' Primer_5 3' Primer_5 5' Primer_6 3' Primer_6	X	4841173	4853293	CACACACACAGAGGTGATAAT TTACACTGTTGGCACTTTA CTGACTGCAAGCCATACATC GGCACAGCCTATTGTCTTAAA TATTTGATTTGCCCGCTTAC CGATAAACAGAGCACCAAAGA TGGAGAGCATCGTCTTATAAAT CACAAACAAACGAGAGACATAG GTGGAGAAGCACTAACACAC AACTGATTTGCGATTGAATCAC TGACAGTGATTTCCCTCAATC CTGACTCAATCGTCCATCTTT	~ 3 million bp