

Table S9. Primer list used in deep-sequencing

Primer name	Target gene	Product length (bp)	Forward primer (5'→3')	Reverse primer (5'→3')
Seq-13a-I	Genes of Pro13a-I subgroup	398	TCGTATTTGCTCTCCTTGCT	GATACCACATATGGATGGCAA
Seq-13b-I/II	Genes of Pro13b-I/II subgroups	433	TCGTCTTTGCTCTCCTTGCT	ACACCGCCAAGGGTGGTAA
Seq-13a.1	<i>Pro13a.1</i>	920	TTTTCTTGCTACCCATCATG	AGTAAAATTGTAAAGTCCCT
Seq-13a.2	<i>Pro13a.2</i>	849	TGTATATATGATGGGCATAA	GATAATGCAACCTCATACAT
Seq-13a.3	<i>Pro13a.3</i>	1241	TGCACATTGCTTAGAAAT	TTGAATAGTGGATTTATAAC
Seq-13a.4	<i>Pro13a.4</i>	1243	AAAACAATAGCTTACAATAC	GTATCCATAATCTCCACACA
Seq-13b.1	<i>Pro13b.1</i>	1432	AAATCAATTTTCTAGTAGTG	AATAGCTTAGTAAACGTGA
Seq-13b.2	<i>Pro13b.2</i>	1432	TTTTTCAAGAATGATGGACA	AATAGCTTAGTAAACGTGA
Seq-13b.3	<i>Pro13b.3</i>	1636	ACTACCCGGTGCACTATAGT	GGGAATAAAAGAATTTAGTC
Seq-13b.8	<i>Pro13b.8</i>	1646	CCCGTTGGGTAAATTCCGGT	TGAATTACCTATGTCTAGGT
Seq-13b.13	<i>Pro13b.13</i>	854	CTCACTTAGATCCTAATAGG	AAGTATCTTCGGATCGAATG
Seq-13b.A	<i>Pro13b.5, 6, 7, 9, 10, 11, 12</i>	479	CAGCAAAATAGAAAGATCTA	ACACCGCCAAGGGTGGTAAT
Seq-13b.B	<i>Pro13b.14, 15, 16</i>	398	GCCTCTGCACAGTTTCATGT	ACACCGCCAAGGGTGGTAAT
Seq-13b.C	<i>Pro13b.17, 18, 19</i>	1239	ATCATTTTCGTCTTTGCTCT	ACCATCACGTACACTTTACC
Seq-13b.20	<i>Pro13b.20</i>	1590	CTTTTACCTCAATCTCACGT	ATGACGTGGAATCACCAGGA
Seq-13b.21	<i>Pro13b.21</i>	1620	TAGTGTGGAAGATGTGTACA	ACCATCACGTACACTTTCCG
Seq-13b.22	<i>Pro13b.22</i>	1298	TGCACGTGCATGATTACTAG	GCATCTATAAATAGACAATG
Deep-Seq13a	Genes of Pro13a-I subgroup	217	<b>ACACTCTTTCCCTACACGACGCTCTTCCGATCTT</b> CAGCCCATGCAGTGAGTTC	<b>GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTT</b> GGTAGTGAGATTGTTGCGCT
Deep-Seq13b	Genes of Pro13b-I/II subgroups	216	<b>ACACTCTTTCCCTACACGACGCTCTTCCGATCT</b> CTGCTACAGCAACAGGTGCT	<b>GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCT</b> GTGAGATTGTTGCGCCACCA
PCR-Cas9	<i>SpCas9</i>	1839	GGCAGGATAGACTCTTTGCTGA	TAAGAACCTGCCCAACGAGA
PCR-HygR	<i>HygR</i>	615	GTCTCCGACCTGATGCAGCT	TTGGGAATCCCCGAACATCG

Bold sequence is linkers for deep sequencing