

**Table S2 Summary of bisulfite PCR and pyrosequencing primer sets.**

<u>Gene</u>	<u>Primer sequences</u>	<u>Pyrosequencing primers</u>	<u>Condition</u>
<i>Ins1</i> pro-CRE	Forward 5' -TGGGATAATGATTGTGTTGTGAA- 3' Reverse - Universal 5' -U- AAAAACTAAACTATAATTTCCAAACACTT- 3'	5' -TTAGGTTTAAGTAGAGTTGTTG - 3'	55°C (55)
<i>Irs2</i> pro-CRE	Forward - Universal 5' -U- GTYGAAGYGGGGGGTGGTTA- 3' Reverse 5' -RAACCCAAAAAATAAACTAAAA- 3'	5' -CCAAAAAATAAAAAAC - 3'	52.5°C (55)

U indicates the universal primer sequence: biotin-GGGACACCGCTGATCGTTTA. Number in parentheses indicates cycles at the indicated temperature.