

**Supplemental Table 2 - Primer Details**

<b>Allele/Gene</b>	<b>F primer</b>	<b>F primer sequence</b>	<b>R primer</b>	<b>R primer sequence</b>	<b>PCR product size</b>	<b>Annealing Tm</b>
<i>Memo1-enu</i>	Memo1-8F	5'-cta-tat-gtg-gaa-gac-atc-cca-ttg-ggg-tg-3'	Memo1-INT	5'-ctg-aca-aag-tca-aga-gaa-gat-atg-cct-ctc-ttc-ca-3'	274bp*	58°C
<i>Memo1-neo</i>	Memo1-e4F	5'-gga-ctc-ctc-tgt-atg-atc-ttc-g-3'	Memo1-R1	5'-gcc-aag-tct-ttc-atc-agg-ttg-3'	wt: 333bp; neo: 395bp	58°C
<i>Memo1-ki</i>	Memo1-nullF1	5'-cgg-tcg-cta-cca-tta-cca-gt-3'	Memo1-R1	5'-gcc-aag-tct-ttc-atc-agg-ttg-3'	499bp	58°C
<i>Memo1-flp</i>	Memo1-flpF1	5'-cca-agg-act-gtg-gtt-tta-gtt-ca-3'	Memo1-flpR1	5'-cca-gaa-tgt-tgg-acc-ctt-ga-3'	wt: 311bp; flp: 397bp	58°C
<i>Memo1-null</i>	Memo1-flpF1	5'-cca-agg-act-gtg-gtt-tta-gtt-ca-3'	Memo1-R1	5'-gcc-aag-tct-ttc-atc-agg-ttg-3'	wt: 1183bp; null: 400bp	58°C
<i>Wnt1CRE</i>	Wnt1CRE-F	5'-ctc-att-gtc-tgt-ggc-cct-gac-c-3'	Wnt1CRE-R	5'-acg-cct-ggc-gat-ccc-tga-ac-3'	~450bp	70°C

\*For genotyping, PCR product was subsequently digested with either XmnI (cuts ENU allele), or Scal (cuts WT allele)