Date:

# VE-Cadherin Cre PCR Protocol

VE-Cadherin Primer Fwd 5'- GCAGGCAGCTCACAAAGGAACAAT -3'

VE-Cadherin Gene Rev 5'- TGTCCTTGCTGAGTGACAGTGGAA -3'

VE-Cadherin Cre Rev 5'- ATCACTCGTTGCATCGACCGGTAA -3'

| Reagent | 1 Reaction | Reactions | Cycles | | |
|---|---|---|---|---|---|
| 10x Buffer (Hotmaster) | 3 ul | | 94°C | 2' | |
| 20mM dNTPs | 0.3 ul | | 94°C | 20" | 39 Cycles |
| 2.5% DMSO | 0.5 ul | | 56°C | 20" | |
| 50uM VE-Cadherin Primer Fwd | 0.3 ul | | 70°C | 30" | |
| 50uM VE-Cadherin Gene Rev | 0.5 ul | | 70°C | 5' | |
| 50uM VE-Cadherin Cre Rev | 0.2 ul | | 4°C | ∞ | |
| Taq Polymerase (Hotmaster) | 0.2 ul | | wt VE-cadherin Gene= ~550bp VE-Cadherin Cre= ~300bp | | |
| H2O | 23.8 ul | | | | |
| DNA | 1.2 ul | | | | |
| Total Volume | 30 ul | | | | |

**DNA Samples**

| Sample Description | Tissue | Ext. Date | DNA [ ] | Lane # | Results |
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