

Allele-specific RT primers

| <u>Gene</u> | <u>Fw Primer</u> | <u>Rv Primer</u> | <u>Primer used for RT</u> | <u>Restriction Enzyme</u> | <u>Allele Cut</u> | <u>Reference</u> |
|--------------|-------------------------|-------------------------|---------------------------|---------------------------|-------------------|----------------------|
| <i>Atrx</i> | GGGATTGCTGCTGTGAGTCT | CCACCATCTTCTTGCCATCT | Random Hexamers | BsmAI | JF1 | Kalantry et al, 2009 |
| <i>Ddx3x</i> | CAGTTCGCTCAGGAAAAAG | AATGAGGTGGCAAGACCAAG | Random Hexamers | EcoRV | 129 | Kalantry et al, 2009 |
| <i>Pdha1</i> | GGGACGTCTGTTGAGAGAGC | GCACCTCAAAGGGAGGATCA | Random Hexamers | DpnII | JF1 | Kalantry et al, 2009 |
| <i>Rnf12</i> | GAGCCCCGATGAAAATAGAGC | GGTCGGCACTTCTGTTACTGC | Random Hexamers | HaeIII | 129 | Huynh and Lee, 2003 |
| <i>Ube1x</i> | AGCCCATGGAGATCAAAGTG | GAGCACAGAATTGGTGCAGA | Random Hexamers | HaeIII | JF1 | Kalantry et al, 2009 |
| <i>Utx</i> | CCAGAAGTCCTTGAAGCAG | CTGAGGTTGGTTGCAGGATT | Random Hexamers | MfeI | 129 | Kalantry et al, 2009 |
| <i>Xist</i> | TGCTGAGATAAGAAAATCCACCA | CTCACCCCACTTGTCTTTGTT | ATGAAGCTCCTCTCACACATGA | MboII | 129 | N/A |
| <i>Kdm5c</i> | AGACAGGTTTTGGCCTCTGA | TACCTTTTCAGGACTGGTCACAC | Random Hexamers | MlyI | 129 | N/A |
| <i>Pgk1</i> | GAAGGGAAGGAAAAGATGC | TGTGCCAATCTCCATGTTGT | Random Hexamers | ScrFI | 129 | N/A |
| <i>Atp7a</i> | CAGACTCAAAGACCTCCA | GGTCATCCCTCCACTTTCA | Random Hexamers | HinFI | 129 | N/A |
| <i>Rhox6</i> | ATGGATGGGTGGATGAAT | CTCAGAAGAAGCCATCCTCATC | Random Hexamers | HpyCH4IV | JF1 | N/A |

qPCR Primers:

| <u>Gene</u> | <u>Fw Primer</u> | <u>Rv Primer</u> | <u>Primer used for RT</u> |
|---------------|------------------------|------------------------|---------------------------|
| <i>Cdx2</i> | GAAACCTGTGCGAGTGGATG | CTTTTCCTCCTGATGGTATGT | Random Hexamers |
| <i>Ascl2</i> | AGGACGCAATAAGCTAAGCATC | AAGTGGACGTTTGCACCTTC | Random Hexamers |
| <i>Eomes</i> | ACCCAGCTAAAGATCGACCATA | CGTTATAATATCGGGCTTGAGG | Random Hexamers |
| <i>Hand1</i> | AGGATGCACAAGCAGGTGAC | GCGCCCTTTAATCCTCTTCT | Random Hexamers |
| <i>Gcm1</i> | AATGGACCCCTGAAGCTTATTC | GCACCTTCTTCATGGCTCTTCT | Random Hexamers |
| <i>Tpbpa</i> | AAGAGGAGGAAAACAACCACA | ATGTTGGGGCAGAGATTTCTTA | Random Hexamers |
| <i>Pr13d*</i> | GACATTAAGGGCAGAAACCTTG | AACGGCAAAAAGATGAGTGTCT | Random Hexamers |

* does not discriminate among *Pr13d1* , *Pr13d2* , and *Pr13d3*

Xist FISH Probe primers

| | |
|-----------|----------------------------|
| XistEx1fw | TCAATGGTCTTCAAGGTAAGACTTC |
| XistEx1rv | TCAAATTTAATCCATCCAGTCACCTT |