

**Table S2 List of primers used for semi-quantitative RT-PCR validations.**

Primer name	Forward primer	Reverse primer
BRME_31321	GGATGAAGATACAGTGTGAAGTGTG	ATCTGGTAAGTTTCGGAGCTAAGAT
BRME_27825	TTGAATATGAAGTGTGGTTGAAGAA	AATTATGAAGTGTCTAGGCCTTTGG
BRME_26899	ATTTTAAGCATGAGACAAATGGAGA	CACTTCAAATACGATCTCGACTCTT
BRME_26899	TATTTGGTTTTGGTTCTTTGACAAT	CTCATTTTGCATTAACCTTTCCACT
BRME_26751	GAGATAAACAAATGGACGGAGTTAGA	CAAGAACAAAGCTTTACCTCTCAAG
BRME_25902	AACCATTCAAACATTTTGTCTCTC	AAGACTACGAGCTGATAGCAAAGAC
BRME_24665	GCCAAAATACTCAAACATCAAACCT	TGTTTCTTCAAAGTCTCCTTGTCT
BRME_23842	AGTCAAATAATGGGTGAGTTAGCAG	GATGAGTCTTTTCAGTCAAGTGGAT
BRME_22309	TAAACATCAGAAAAAGATCGACACA	TGAAATTGCAGATTGAACAAGAATA
BRME_21821	CTTGAAGAAAGCTTGGTTCGAAT	CATATATCTCCTGGCCATGTAAAC
BRME_21506	GATGCAGGTAGACGGGTTAGC	GACACAAAACCTATTGAAATCCTTAGC
BRME_20969	TTGGATTGTTGATGATCATGTTTAC	AATCAAACGAAATAGGGATTAGACC
BRME_20091	AGAATATCACATCCTGGAATTGTGT	GTTAAGAGATCACCCGAGATCAATA
BRME_19801	TTGGATACCAATTGTTGGAGATAGT	CTTCTGCCTGTAATGAGTTATGGTT
BRME_1524	CACCTGGTTAGTGAGATTTTCAGTT	TTGATTCTATGGAAAACCGTATCAT
BRME_13109	GAGAAACAATGAAAACCTAAAACCA	TAGCTCCATGACCAGATAAGATTTTC
BRME_12328	ATGAGTTGATTGTCCATTGTACCTT	TCGATAATGTGTTTTTCAGTTTTTGA
BRME_11851	ACAGGATTCTTTTCCTTTTACATC	GTATCGTTCAGATTTCGATCTGTTTT
BRME_10091	AACACACTCCAAGATTCATTTTGAT	AGTCCGTGTACCAACAGCTTAATAG
BRME_10018	AAACTAACTCCTCAGAAAATGAGCA	ATCAAAAACCTCCATTATATTCCACA
comp220607_c0_seq1	AAACTCTCGTTTTTCACTAACATGC	GGATCTATCAAGCAGTGACGACTAT
comp252005_c0_seq2	CATGTCGTTTGTATAGCTCTGATG	ATGTTCAATCAAAGAGAGCAAGACT
comp268777_c0_seq1	TTTGATACTCCAAATCTGCTTTACC	ACCTGGAAAGTAGAATCTGACACAG
comp227753_c0_seq1	ACGAAATAGCAATTTAGATGTGGAG	TGGGTATATGAGAAACATCAAGGAT
comp265888_c0_seq2	ACCTGACAGTTATCAATCACCGTAT	GAATTTACTCATCGTTTACAACCTT
comp249517_c0_seq1	ACAGACAAACACAAATCAAACAAGA	GTAGATTAGCGACGATTAGGTCAAA
comp247229_c0_seq1	ATCTGCCACAGGAAGTCACC	GTCAAGAAGGGGTCATGGAA

comp91267_c0_seq2	CTCTTGCAACCATCAAAGCA	GGAACAAACTGGTGGAGGAA
comp264288_c0_seq1	AGCGTTGTTTATTAGACACCTTACG	TCAAGAAAAGTAGAGATGGAATCGT
comp260850_c0_seq1	ATCTCTACCGCAATAATTCAAACCTG	AGAAGAAAGCATCTTTGCTGTAA
comp257801_c0_seq2	TGATGCTTGATTGTTTGTGAAGTT	ATGAGAACTCTTGCAAATTGATCC
comp255347_c0_seq2	AGGAGTTGAAGTATCACCCCTTCT	TTGGTTGAGAGATCAGAGGAATATC
comp250423_c0_seq1	ACAAAACAAGATCAATATCATCACC	TTTACAAACCTTATTCAAGGCAAAG
comp249273_c0_seq1	TGGGGAGATCAATGAACTATCTTA	CATCCCTCAACTTTGTAATTTTGT
comp247416_c0_seq1	GATGATCATGGAGAAAGAGTTCAGT	TAAACAGAGAAGGAAGGTTGAAATG
comp246096_c1_seq1	GAGACTACGATCACTGGAGTTTGAT	GTATCCACATACCTTCTACCAATC
comp238537_c0_seq1	TGTC AACACAATGGTCTTGAAATC	AATGTAGAGCATCTGGAGATCAAAC
comp230719_c0_seq1	GTCATCATCTTCTTCTGCTATCAT	CTCTTACCGTAGAGAAACAAGGCTA
comp223271_c0_seq2	TTCGTAACCAATAAGAGCTTTCTGT	CGACGAAAAATAAGAAAGAAATGAA
comp206339_c0_seq1	ACATTTTAGCATACTTTTTCGGAAC	AACAACCTCTTTTAGCCAAGGTTTT
TCONS_00000072	AAAACCTCTCTGTATCCGTTTCT	GTAGAACTTATCCCCAACTCTTC
TCONS_00003667	ACGTTATCCACTATATTGCCAGAAG	GCTCTTTCTAAATTTCTTTGGGTT
TCONS_00000059	TCTCACATACGACACATCTCAAAAA	GTAAAGCTTCTCAGTCTCTCAAC
TCONS_00000058	TATTTGTTTTGTTTGTAGGGTCGAT	TACGCCTTCTTAAACTAAGAGCAGA
TCONS_00003635	CACACAGATATATCCCATCATGAAA	CCTTGGATGTCTGAAACCTTTATATT
TCONS_00003634	CACACAGATATATCCCATCATGAAA	CCTTGGATGTCTGAAACCTTTATATT
TCONS_00003593	GGGAAGATAGGACCATTGAGTTTAT	AACTTGATAGAACCAGTGACTGAGC
TCONS_00015281	AACACAAAACGGCACATCAA	CGTCTTGGCATTGGGACTAT
TCONS_00008509	CCTCCGTCTGAGAACCAGAG	TTGAGCATTGGTTGCATGTT
TCONS_00015207	TCATCATCTGCTCCGATTCA	AGCTGCCGTACCATTGAGAC
TCONS_00008391	TGTCTCACAGTCACGGGAAC	GAAGCGAGCAAGGATCACAT
TCONS_00011686	TCTCGACTCATCCATCCACA	GGTCACGACTGAATCTGCAA
TCONS_00007791	TAAGCTGGCTGGTCCATTCT	TGGGATGTTGGGTTCACTTT
TCONS_00006570	TCCGCTTGAGAGTTTCAGGT	ACCATCACCAGAGGCGTAAC
TCONS_00006529	GGTCGTGGTCGAAAAGTTGT	CTCTGAATGAGGAGGCCTTG
TCONS_00006527	CGATTTGAGGAGCCTCTTTG	CAGAAACGTTGTGCAGGAGA

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TCONS_00009672	CTGTTTACCCACTTCTCTAACCAAA	TACAAAAACACCCCTATAAAACAA
TCONS_00014998	TCTTTTCTCGAAGCTATTAAGGTGA	GAGTAAGTTGAAACAAGGACTCAGC
TCONS_00007585	GAACTTCTTCTCGTCTGTAACCTCG	AAGACAAGGTATGTAGGTGCAGAAC
TCONS_00002126	ACCATCTAACAGAACAAGCACTCTT	AGCCTTTGTGCTCTTATCCTTAGTT
TCONS0_00002441	GCCGTCGTTCAATCTCTCTAA	AGATGCAGCTCCGCTTTCAT
TCONS0_00003629	CAATTGAGATGGATGGCTGA	CAATGTTGCCCAAGTTGTTG
TCONS0_00006299	TGGGGAAAACACCAAGAGAC	GGCTAGGGTTTGTGATTCCA
TCONS0_00021925	TCTGACGCACAGGACAGTTC	CTGAATGCACGTGTCAGCTT
TCONS0_00021930	CCATGATCTCTCCCATGCT	TGGCATTATCCTCCAGCTCT
TCONS0_00033329	CTCCTTTGCTTATGCATGGATAC	TAACGAAACCGGTTCAAAGG
TCONS0_00033336	TTGGCAGAGAGTCAATGGAA	AAGCTTGCTCATAGCCCAAA
TCONS0_00036293	TCATCTCCAGCTTTGTTCC	TACGTCAGGCACATCAGCTC
TCONS0_00058472	CCATTTCTCTATCCCCCAAA	CACCCTCCGTAAGTGTGCGAT
TCONS0_00072042	CGTTATCGGAGGCAACATTT	GAACAGCTTCTGCTCGCTTT
Actin	ATGTTGGGATGGGTCAAAAA	ACGGAGCTCGTTGTAGAAAGT

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BRME: These primers are for Velvet-Oases assembly validation, comp: These primers are for Trinity assembly validation, TCONS: These primers are for TopHat-Cufflink assembly “u” transcripts validation and TCONS0: These primers are for TopHat-Cufflink assembly “o” transcripts validation.