Table S1 The primary sequences used for PCR and real-time quantitative PCR

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| Gene symbol | Forward primers | Reverse primers |
| B4GALNT2-first pcr | GATTAAGGATGACTTCGTACA | TTATGGCCACACACTTAG |
| B4GALNT2-second pcr | CCTACGATCCATGACTTCGTACAGCCCTAG | GCGCCCTCGAGTTAGGTGACACATTGGAGAT |
| B4GALNT2Homologous recombinant primers | GACAAGGccatggctgatatcggatccATGACTTCGTACAGCCCTAG | gtggtggtgctcgagTTAGGTGACACATTGGAGATAGT |
| B4GALNT2-like-first pcr | CGACGGGATTAAGGATGACTT | CTAGGGCCACACATTCAG |
| B4GALNT2-like-second pcr | CCTACGATCCATGACTTCGTACAGCCCTAG | GCGCCCTCGAGTTAGGTGGCACATTGAAGAT |
| B4GALNT2-like-Homologous recombinant primers | gacaaggccatggctgatatcggatccATGACTTCGTACAGCCCTAG | gtggtggtgctcgag TTAGGTGACACATTGGAGATAGT |