

**Table S6: qRT-PCR validation data of microarray**

Four genes (PSG6; UBE2D3 T5 and T6 ; UBE2V1) were selected from genes that were at least 2-fold up regulated in the GDM group compared to Ob and Norm groups. The data are expressed in fold increases. p values are displayed.

| <b>Assay</b> | <b>Fold Change<br/>GDM vs OBS<br/>(RQ)</b> | <b>p-Value<br/>GDM vs OBS</b> | <b>Fold Change<br/>GDM vs NOR<br/>(RQ)</b> | <b>p-Value<br/>GDM vs NOR</b> |
|--------------|--|-------------------------------|--|-------------------------------|
| PSG6         | 2.6877                                     | 0.0066                        | 8.7966                                     | 0.0006                        |
| UBE2D3_T6    | 5.7305                                     | 0.0077                        | 3.5521                                     | 0.0238                        |
| UBE2D3_T5    | 2.5483                                     | 0.0233                        | 1.7942                                     | 0.1001                        |
| UBE2V1       | 6.2961                                     | 0.1075                        | 3.8456                                     | 0.139                         |