Table S7: Taqman Primer Probe Sets

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| **Gene Symbol** | **Gene Name** | **Accession Number** |
| PRLR | Prolactin Receptor | NM\_000949.2 |
| LEPR | Leptin Receptor | NM\_002303.3 |
| PTGS1 | Prostaglandin-endoperoxide Synthase 1 (prostaglandin G/H synthase and cyclooxygenase) | NM\_080591.1,NM\_000962.2 |
| COL2A1 | Collagen, type II, alpha 1 (primary osteoarthritis, spondyloepiphyseal dysplasia, congenital) | NM\_033150.1,NM\_001844.3 |
| 18S | Eukaryotic 18S rRNA | X03205.1 |
| ACTB | Actin, beta | NM\_001101.2 |
| PTGS2 | Prostaglandin-endoperoxide Synthase 2 (prostaglandin G/H synthase and cyclooxygenase) | NM\_000963.1 |
| COL4A6 | Collagen, type IV, alpha 6 | NM\_001847.1,NM\_033641.1 |
| COL4A3 | Collagen, type IV, alpha 3 (Goodpasture antigen) | NM\_031362.1,NM\_031364.1 |
| CCNA2 | Cyclin A2 | NM\_001237.2 |
| ESR1 | Estrogen Receptor 1 | NM\_000125.2 |
| COL4A5 | Collagen, type IV, alpha 5 (Alport syndrome) | NM\_033380.1,NM\_033381.1,NM\_000495.3 |
| COL1A2 | Collagen, type I, alpha 2 | NM\_000089.3 |
| ESR2 | Estrogen Receptor 2 (ER beta) | NM\_001437.1 |
| COL4A2 | Collagen, type IV, alpha 2 | NM\_001846.1 |
| HPRT1 | Hypoxanthine phosphoribosyltransferase 1 (Lesch-Nyhan syndrome) | NM\_000194.1 |
| REN | Renin | NM\_000537.2 |