**Supplemental Table 1.**

**List of genes with significant change in expression by both experimental models in response to CR compared to AL.**

|  |  |  |
| --- | --- | --- |
| **Gene Symbol** | **In vitro model (Z-ratio)** | **In vivo model (Z-ratio)** |
| 1700019D03RikMgllFkbp11Srprb0610008A10Rik5730438N18RikHras1Sdf2l1SprMknk2Vkorc1Cdc42ep5CrtapGrnAtp6v0a10610039N19RikSenp32700060E02RikBC0081033110082I17RikMgat4bFmipSmpd1C2Bace2Atp6v1c1Eps8D5Ertd33eSnrpaSyngr2Epb4.1l4aJtbMmrp19C78915Psmb5Mgat4bDusp2Plk3Stra13Rac1Supt3hD19Ertd144eCln8Tnfrsf12aMthfd1E130307C13Thoc4Bcl7cLimd1Rwdd19430029K10RikFusPrss25Aup1Minpp1 | 2.703.461.621.842.812.812.952.982.381.532.043.251.691.581.921.671.512.472.161.843.241.672.833.034.882.432.133.772.873.781.781.892.372.163.073.381.551.741.882.442.281.972.182.972.192.132.191.561.513.572.642.272.113.932.72 | 4.564.073.863.663.583.563.113.022.952.902.842.802.712.652.642.632.632.622.562.562.552.552.512.452.422.402.392.342.262.252.202.202.132.122.062.062.002.001.971.971.961.931.831.831.801.771.741.691.681.671.651.641.621.591.52 |
| Foxj2Cbx7NfkbizHnrpdlMfap3Cops7bStard4Gas5AcadsbArfip1Clk14833420G17RikSdc4Slc40a1DbpTde2Clcn3 | -1.60-2.15-2.62-1.82-2.52-2.09-1.69-1.98-2.21-2.02-2.30-2.44-2.49-2.93-2.14-1.58-3.06 | -1.53-1.56-1.64-1.66-1.68-1.88-2.35-2.39-2.46-2.52-2.58-2.69-2.77-3.47-3.72-3.84-4.32 |

All transcripts were statistically significant with Z-ratio >1.5 in both directions, p < 0.05 and false discovery rate < 0.3 (see Experimental Procedures for additional details).