

| Input Sample | Somatotropes | Lactotropes | Corticotropes | Gonadotropes | Stem_cell | Endothelial | Proliferating | Melanotropes | Pericytes | Macrophages | Pituicytes | Thyrotropes | Somato_Lacto | P-value | Pearson Correlation | RMSE |
|---------------|--------------|-------------|---------------|--------------|-----------|-------------|---------------|--------------|-----------|-------------|------------|-------------|--------------|---------|---------------------|-------|
| WL1505_Pd12F1 | 0 | 0 | 0 | 0.002 | 0.125 | 0.011 | 0.622 | 0.239 | 0.001 | 0 | 0 | 0 | 0 | 0.610 | 0.006 | 1.000 |
| WL1506_Pd12F2 | 0 | 0 | 0 | 0.002 | 0.112 | 0.01 | 0.68 | 0.196 | 0.001 | 0 | 0 | 0.001 | 0 | 0.570 | 0.007 | 1.000 |
| WL1507_Pd12F3 | 0 | 0 | 0 | 0.002 | 0.115 | 0.01 | 0.623 | 0.248 | 0.001 | 0 | 0 | 0 | 0 | 0.610 | 0.006 | 1.000 |
| WL1508_Pd12F4 | 0 | 0 | 0 | 0.003 | 0.103 | 0.019 | 0.621 | 0.254 | 0 | 0 | 0 | 0 | 0 | 0.600 | 0.007 | 1.000 |
| WL1509_Pd12F5 | 0 | 0 | 0 | 0.002 | 0.117 | 0.009 | 0.6 | 0.271 | 0.001 | 0 | 0 | 0 | 0 | 0.600 | 0.007 | 1.000 |
| WL1510_Pd12F6 | 0 | 0 | 0 | 0.003 | 0.112 | 0.019 | 0.634 | 0.232 | 0.001 | 0 | 0 | 0 | 0 | 0.640 | 0.004 | 1.000 |
| WL1512_Pd12M2 | 0 | 0 | 0 | 0.001 | 0.121 | 0.011 | 0.619 | 0.248 | 0.001 | 0 | 0 | 0 | 0 | 0.610 | 0.006 | 1.000 |
| WL1513_Pd12M3 | 0 | 0 | 0 | 0.001 | 0.125 | 0.01 | 0.679 | 0.184 | 0.001 | 0 | 0.001 | 0 | 0 | 0.610 | 0.005 | 1.000 |
| WL1514_Pd12M4 | 0 | 0 | 0 | 0.002 | 0.111 | 0.018 | 0.644 | 0.224 | 0.001 | 0 | 0 | 0 | 0 | 0.610 | 0.005 | 1.000 |
| WL1515_Pd12M5 | 0 | 0 | 0 | 0.003 | 0.108 | 0.02 | 0.656 | 0.212 | 0.001 | 0 | 0 | 0 | 0 | 0.640 | 0.004 | 1.000 |
| WL1516_Pd12M6 | 0 | 0 | 0 | 0.002 | 0.125 | 0.011 | 0.564 | 0.296 | 0.001 | 0 | 0.001 | 0.001 | 0 | 0.610 | 0.005 | 1.000 |
| WL1517_Pd22F1 | 0 | 0 | 0 | 0.001 | 0.217 | 0.012 | 0.524 | 0.246 | 0.001 | 0 | 0 | 0 | 0 | 0.610 | 0.006 | 1.000 |
| WL1518_Pd22F2 | 0 | 0 | 0 | 0.005 | 0.176 | 0.014 | 0.542 | 0.262 | 0.001 | 0 | 0 | 0 | 0 | 0.690 | 0.003 | 1.000 |
| WL1519_Pd22F3 | 0 | 0 | 0 | 0.003 | 0.111 | 0.009 | 0.673 | 0.204 | 0 | 0 | 0 | 0 | 0 | 0.610 | 0.006 | 1.000 |
| WL1520_Pd22F4 | 0 | 0 | 0 | 0.002 | 0.182 | 0.014 | 0.555 | 0.246 | 0 | 0 | 0.001 | 0.001 | 0 | 0.610 | 0.005 | 1.000 |
| WL1521_Pd22F5 | 0 | 0 | 0 | 0.001 | 0.198 | 0.01 | 0.554 | 0.236 | 0.001 | 0 | 0 | 0 | 0 | 0.600 | 0.007 | 1.000 |
| WL1522_Pd22F6 | 0 | 0 | 0 | 0.004 | 0.131 | 0.015 | 0.649 | 0.2 | 0 | 0 | 0 | 0.001 | 0 | 0.650 | 0.004 | 1.000 |
| WL1523_Pd22M1 | 0 | 0 | 0 | 0.005 | 0.155 | 0.012 | 0.525 | 0.301 | 0 | 0 | 0 | 0.001 | 0 | 0.610 | 0.006 | 1.000 |
| WL1524_Pd22M2 | 0 | 0 | 0 | 0.004 | 0.134 | 0.01 | 0.561 | 0.29 | 0 | 0 | 0 | 0 | 0 | 0.600 | 0.007 | 1.000 |
| WL1525_Pd22M3 | 0 | 0 | 0 | 0.003 | 0.11 | 0.01 | 0.671 | 0.205 | 0 | 0 | 0 | 0 | 0 | 0.610 | 0.006 | 1.000 |
| WL1526_Pd22M4 | 0 | 0 | 0 | 0.007 | 0.216 | 0.01 | 0.481 | 0.286 | 0.001 | 0 | 0 | 0 | 0 | 0.590 | 0.007 | 1.000 |
| WL1527_Pd22M5 | 0 | 0 | 0 | 0.006 | 0.185 | 0.014 | 0.482 | 0.313 | 0 | 0 | 0.001 | 0 | 0 | 0.610 | 0.005 | 1.000 |
| WL1528_Pd22M6 | 0 | 0 | 0 | 0.008 | 0.235 | 0.02 | 0.406 | 0.329 | 0 | 0 | 0 | 0 | 0 | 0.690 | 0.004 | 1.000 |
| WL1529_Pd27F1 | 0 | 0 | 0 | 0.011 | 0.327 | 0.028 | 0.256 | 0.373 | 0 | 0 | 0 | 0.004 | 0 | 0.690 | 0.003 | 1.000 |
| WL1530_Pd27F2 | 0 | 0 | 0 | 0.004 | 0.117 | 0.008 | 0.715 | 0.155 | 0 | 0 | 0 | 0 | 0 | 0.690 | 0.004 | 1.000 |
| WL1531_Pd27F3 | 0 | 0 | 0 | 0.003 | 0.172 | 0.01 | 0.657 | 0.156 | 0.001 | 0 | 0 | 0.001 | 0 | 0.700 | 0.002 | 1.000 |
| WL1532_Pd27F4 | 0 | 0 | 0 | 0.005 | 0.148 | 0.011 | 0.65 | 0.184 | 0.001 | 0 | 0 | 0.001 | 0 | 0.740 | 0.001 | 1.000 |
| WL1533_Pd27F5 | 0 | 0 | 0 | 0.006 | 0.203 | 0.01 | 0.601 | 0.18 | 0.001 | 0 | 0 | 0 | 0 | 0.720 | 0.001 | 1.000 |
| WL1534_Pd27F6 | 0 | 0 | 0 | 0.004 | 0.128 | 0.01 | 0.699 | 0.158 | 0 | 0 | 0 | 0.001 | 0 | 0.700 | 0.003 | 1.000 |
| WL1535_Pd27M1 | 0 | 0 | 0 | 0.005 | 0.178 | 0.018 | 0.515 | 0.283 | 0 | 0 | 0 | 0.001 | 0 | 0.620 | 0.005 | 1.000 |
| WL1536_Pd27M2 | 0 | 0 | 0 | 0.003 | 0.152 | 0.013 | 0.648 | 0.184 | 0 | 0 | 0 | 0 | 0 | 0.620 | 0.005 | 1.000 |
| WL1537_Pd27M3 | 0 | 0 | 0 | 0.004 | 0.127 | 0.018 | 0.611 | 0.24 | 0 | 0 | 0 | 0 | 0 | 0.650 | 0.004 | 1.000 |
| WL1538_Pd27M4 | 0 | 0 | 0 | 0.006 | 0.207 | 0.02 | 0.461 | 0.303 | 0.001 | 0 | 0 | 0.001 | 0 | 0.590 | 0.007 | 1.000 |
| WL1539_Pd27M5 | 0 | 0 | 0 | 0.004 | 0.119 | 0.012 | 0.62 | 0.244 | 0 | 0 | 0 | 0 | 0 | 0.610 | 0.006 | 1.000 |
| WL1541_Pd32F1 | 0 | 0 | 0 | 0.012 | 0.364 | 0.006 | 0.474 | 0.144 | 0 | 0 | 0 | 0 | 0 | 0.780 | -0.001 | 1.000 |
| WL1542_Pd32F2 | 0 | 0 | 0 | 0.003 | 0.175 | 0.008 | 0.636 | 0.177 | 0 | 0 | 0 | 0 | 0 | 0.730 | 0.001 | 1.000 |
| WL1543_Pd32F3 | 0 | 0 | 0 | 0.01 | 0.315 | 0.017 | 0.373 | 0.284 | 0 | 0 | 0 | 0 | 0 | 0.750 | 0.001 | 1.000 |
| WL1544_Pd32F4 | 0 | 0 | 0 | 0.011 | 0.343 | 0.023 | 0.197 | 0.412 | 0 | 0 | 0.001 | 0.013 | 0 | 0.750 | 0.001 | 1.000 |
| WL1545_Pd32F5 | 0 | 0 | 0 | 0.007 | 0.219 | 0.01 | 0.343 | 0.216 | 0 | 0 | 0 | 0.002 | 0 | 0.710 | 0.002 | 1.000 |
| WL1546_Pd32F6 | 0 | 0 | 0 | 0.003 | 0.161 | 0.009 | 0.677 | 0.15 | 0 | 0 | 0 | 0 | 0 | 0.760 | 0.000 | 1.000 |
| WL1548_Pd32M2 | 0 | 0 | 0 | 0.003 | 0.111 | 0.015 | 0.605 | 0.264 | 0.001 | 0 | 0 | 0.001 | 0 | 0.610 | 0.005 | 1.000 |
| WL1549_Pd32M3 | 0 | 0 | 0 | 0.004 | 0.126 | 0.011 | 0.666 | 0.192 | 0.001 | 0 | 0 | 0 | 0 | 0.700 | 0.002 | 1.000 |
| WL1550_Pd32M4 | 0 | 0 | 0 | 0.004 | 0.138 | 0.013 | 0.665 | 0.179 | 0.001 | 0 | 0 | 0 | 0 | 0.700 | 0.002 | 1.000 |
| WL1552_Pd32M6 | 0 | 0 | 0 | 0.006 | 0.179 | 0.016 | 0.54 | 0.259 | 0 | 0 | 0 | 0 | 0 | 0.680 | 0.004 | 1.000 |
| WL1553_Pd37F1 | 0 | 0.001 | 0 | 0.005 | 0.17 | 0.008 | 0.663 | 0.153 | 0 | 0 | 0 | 0.001 | 0 | 0.760 | -0.000 | 1.000 |
| WL1555_Pd37F3 | 0 | 0 | 0 | 0.013 | 0.405 | 0.021 | 0.273 | 0.286 | 0 | 0 | 0 | 0.001 | 0 | 0.780 | -0.001 | 1.000 |
| WL1556_Pd37F4 | 0 | 0 | 0 | 0.01 | 0.275 | 0.017 | 0.53 | 0.165 | 0 | 0 | 0 | 0.004 | 0 | 0.780 | -0.001 | 1.000 |
| WL1557_Pd37F5 | 0 | 0.001 | 0 | 0.012 | 0.397 | 0.012 | 0.438 | 0.12 | 0 | 0 | 0 | 0 | 0 | 0.820 | -0.002 | 1.000 |
| WL1558_Pd37F6 | 0 | 0 | 0 | 0.004 | 0.218 | 0.008 | 0.635 | 0.134 | 0 | 0 | 0 | 0 | 0 | 0.760 | 0.000 | 1.000 |
| WL1559_Pd37M1 | 0 | 0 | 0 | 0.004 | 0.121 | 0.016 | 0.635 | 0.222 | 0.001 | 0 | 0 | 0 | 0 | 0.700 | 0.003 | 1.000 |
| WL1560_Pd37M2 | 0 | 0 | 0 | 0.005 | 0.159 | 0.017 | 0.524 | 0.294 | 0 | 0 | 0 | 0 | 0 | 0.680 | 0.004 | 1.000 |
| WL1561_Pd37M3 | 0 | 0 | 0 | 0.006 | 0.173 | 0.019 | 0.467 | 0.334 | 0.001 | 0 | 0 | 0.001 | 0 | 0.660 | 0.004 | 1.000 |
| WL1562_Pd37M4 | 0 | 0 | 0 | 0.007 | 0.204 | 0.026 | 0.389 | 0.372 | 0.001 | 0 | 0.002 | 0 | 0 | 0.700 | 0.003 | 1.000 |
| WL1563_Pd37M5 | 0 | 0 | 0 | 0.004 | 0.11 | 0.014 | 0.643 | 0.229 | 0 | 0 | 0 | 0 | 0 | 0.640 | 0.005 | 1.000 |
| WL1564_Pd37M6 | 0 | 0 | 0 | 0.005 | 0.158 | 0.018 | 0.537 | 0.281 | 0.001 | 0 | 0 | 0 | 0 | 0.710 | 0.002 | 1.000 |