Differentially expressed genes from F3 generation vinclozolin lineage Sertoli cells as compared to control lineage cells (416 genes & ESTs)

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**Proteolysis**

- Adam10  | Z48444     | 1.48   | 278    | 10918545  ADAM metallopeptidase domain 10
- Dcun1d1 | NM_001107668| 1.43   | 184    | 10822792  DCN1, defective in cullin neddylation 1, domain containing 1 (S. cerevisiae)
- Prss47  | XM_001056923| 0.78   | -11    | 10793409  protease, serine, 47
- Mbtp2   | BC097391    | 1.21   | 39     | 10933634  membrane-bound transcription factor peptidase, site 2
- Pcolce  | NM_019237   | 1.27   | 15     | 10760971  procollagen C-endopeptidase enhancer
- Psmb4   | NM_031629   | 0.78   | -266   | 10824884  proteasome (prosome, macropain) subunit, beta type 4
- Psmb6   | NM_057099   | 0.77   | -44    | 10735244  proteasome (prosome, macropain) subunit, beta type 6
- Psmd12  | NM_001005875| 0.78   | -117   | 10739225  proteasome (prosome, macropain) 26S subunit, non-ATPase, 12
- Psmd6   | NM_198730   | 0.80   | -154   | 10779357  proteasome (prosome, macropain) 26S subunit, non-ATPase, 6
- Rbx1    | NM_001034135| 0.79   | -122   | 10897912  ring-box 1
- Rnf111  | NM_001106836| 1.25   | 56     | 10918519  ring finger protein 111
- Rnf146  | BC083675    | 0.83   | -21    | 10702428  ring finger protein 146
- Rnf1    | XM_340875   | 1.24   | 68     | 10737380  ring finger protein, transmembrane 1
- Uqcrq   | NM_001025134| 0.76   | -64    | 10742601  ubiquinol-cytochrome c reductase, complex III subunit VII
- Up33    | BC092624    | 1.39   | 186    | 10819790  ubiquitin specific peptidase 33
- Vps45   | NM_172072   | 0.75   | -118   | 10825120  vacuolar protein sorting 45 homolog (S. cerevisiae)

**Receptors & Binding Proteins**

- Abce1   | NM_001108446| 1.27   | 101    | 10806960  ATP-binding cassette, sub-family E (OABP), member 1
- Efcb10  | NM_001108706| 0.68   | -17    | 10884200  EF-hand calcium binding domain 10
- Ill3ra1  | NM_145789   | 1.54   | 19     | 10936365  interleukin 13 receptor, alpha 1
- Ireb2   | NM_022863   | 1.32   | 126    | 10910904  iron responsive element binding protein 2
- M6prbp1 | XM_001061015| 1.27   | 25     | 10930984  mannos-6-phosphate receptor binding protein 1
- Olr769  | NM_001000371| 1.26   | 13     | 10848113  olfactory receptor 769
- Oprs1   | NM_030996   | 0.77   | -33    | 10876185  sigma non-opioid intracellular receptor 1
- Pldr2   | NM_001108422| 1.56   | 16     | 10796564  plexin domain containing 2
- Rora    | NM_001106834| 1.37   | 40     | 10911250  RAR-related orphan receptor alpha
- Sec61a2  | NM_001170343| 0.73   | -357   | 10796280  Sec61 alpha 2 subunit (S. cerevisiae)
- Sxbp6   | XM_343057   | 1.38   | 15     | 10889772  syntaxin binding protein 6 (amisin)

**Signaling**

- Ak7     | NM_001108055| 0.75   | -19    | 10886652  adenylate kinase 7
- Alcam   | NM_031753   | 1.94   | 110    | 10750878  activated leukocyte cell adhesion molecule
- Aurk    | NM_001106221| 1.23   | 13     | 10718658  aurora kinase C
- Cals4   | NM_012516   | 0.73   | -459   | 10719294  calmodulin 3
- Cdc42ep3 | NM_001048044| 0.74   | -50    | 10879399  CDC42 effector protein (Rho GTPase binding) 3
- Clkl    | NM_001106913| 1.39   | 501    | 10928229  CDC-like kinase 1
- Cyst1   | NM_031327   | 1.53   | 204    | 10827231  cysteine-rich, angiogenic inducer, 61
- Dennd2c  | XM_001067655| 1.30   | 25     | 10817959  DENN/MADD domain containing 2C
- Drg1    | NM_001009685| 0.72   | -270   | 10777918  developmentally regulated GTP binding protein 1
- Dusp10  | NM_001105734| 1.57   | 11     | 10766463  dual specificity phosphatase 10
- Ehhd2   | NM_001031648| 1.24   | 225    | 10881211  EF-hand domain family, member D2
- Ei24    | NM_001025660| 0.77   | -118   | 10916144  etoposide induced 2.4 mRNA
- Elmod3  | NM_001031087| 0.75   | -20    | 10863246  ELMO/CED-12 domain containing 3
- Erbb4   | NM_021687   | 1.41   | 92     | 10928636  v-erb-b erythroblast leukemia viral oncogene homolog 4 (avian)
- Fastk2d | NM_001009673| 1.21   | 46     | 10923904  FAST kinase domains 2
- Fdg4    | NM_139263   | 1.36   | 32     | 10755875  FYVE, RhoGEF and PH domain containing 4
- Fkbp15  | XM_342846   | 1.25   | 32     | 10877380  FK506 binding protein 15
- Gtpbp1  | NM_001130496| 0.83   | -87    | 10897709  GTP binding protein 1
- Hsp90aa1 | NM_175761   | 1.56   | 2165   | 10892184  heat shock protein 90, alpha (cytosolic), class A member 1
- Jak2    | NM_031514   | 1.38   | 93     | 10714667  Janus kinase 2
- Map2k4  | NM_001030023| 1.21   | 162    | 10743668  mitogen activated protein kinase 4
- Map7    | AJ005424    | 0.82   | -46    | 10743427  mitogen-activated protein kinase 7
- Mapk8ip2 | BC105884    | 0.62   | -22    | 10898606  mitogen-activated protein kinase 8 interacting protein 2
- Narg2   | XM_001075498| 1.48   | 49     | 10911270  NMDA receptor regulated 2
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**Translation & Protein Modification**

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