

### Supplementary Text 1. UCSC genome browser tracks for PRDL TF genes.

track name="ARGFX" description="bovine ARGFX cDNA clone and the putative ORF" visibility=2  
itemRgb="On" colorByStrand="198,83,55 198,83,55"

|      |          |          |                      |                               |   |          |          |
|------|----------|----------|----------------------|-------------------------------|---|----------|----------|
| chr1 | 66070409 | 66087657 | ARGFX_16c_01         | 1000                          | + | 66070474 | 66087511 |
|      | 0        | 6        | 93,68,51,81,149,557, | 0,3330,3398,9251,15283,16691, |   |          |          |

track name="DUXA" description="bovine DUXA cDNA clones and the putative ORFs" visibility=2  
itemRgb="On" colorByStrand="198,83,55 198,83,55"

|       |          |          |                        |                            |   |          |          |
|-------|----------|----------|------------------------|----------------------------|---|----------|----------|
| chr18 | 64398319 | 64406694 | DUXA_16c_01            | 1000                       | - | 64399058 | 64403851 |
|       | 0        | 6        | 236,115,146,103,155,19 | 0,723,1958,2665,5383,8356, |   |          |          |

|       |          |          |                      |                       |   |          |          |
|-------|----------|----------|----------------------|-----------------------|---|----------|----------|
| chr18 | 64398328 | 64403879 | DUXA_16c_02          | 1000                  | - | 64399058 | 64403879 |
|       | 0        | 5        | 227,115,146,103,178, | 0,714,1949,2656,5373, |   |          |          |

track name="LEUTX" description="bovine LEUTX cDNA clones and the putative ORFs" visibility=2  
itemRgb="On" colorByStrand="198,83,55 198,83,55"

|       |          |          |                 |                   |   |          |          |
|-------|----------|----------|-----------------|-------------------|---|----------|----------|
| chr18 | 49330782 | 49336014 | LEUTX_8c_01     | 1000              | + | 49330817 | 49335666 |
|       | 0        | 4        | 42,152,493,323, | 0,3527,4416,4909, |   |          |          |

|       |          |          |             |              |   |          |          |
|-------|----------|----------|-------------|--------------|---|----------|----------|
| chr18 | 49330772 | 49334896 | LEUTX_8c_02 | 1000         | + | 49330817 | 49334667 |
|       | 0        | 3        | 52,152,277, | 0,3537,3847, |   |          |          |

track name="NOBOX" description="bovine NOBOX cDNA clones and the putative ORFs" visibility=2  
itemRgb="On" colorByStrand="198,83,55 198,83,55"

|      |           |           |                                       |      |   |           |           |
|------|-----------|-----------|---------------------------------------|------|---|-----------|-----------|
| chr4 | 107667138 | 107674196 | NOBOX_MII_02                          | 1000 | - | 107667390 | 107674179 |
|      | 0         | 8         | 557,302,232,74,110,107,540,54,        |      |   |           |           |
|      |           |           | 0,1468,2240,2695,3543,3972,4464,7004, |      |   |           |           |

|      |           |           |                                       |      |   |           |           |
|------|-----------|-----------|---------------------------------------|------|---|-----------|-----------|
| chr4 | 107667138 | 107674196 | NOBOX_MII_01                          | 1000 | - | 107667390 | 107674179 |
|      | 0         | 8         | 548,302,232,74,110,107,540,54,        |      |   |           |           |
|      |           |           | 0,1468,2240,2695,3543,3972,4464,7004, |      |   |           |           |

|      |           |           |                                       |      |   |           |           |
|------|-----------|-----------|---------------------------------------|------|---|-----------|-----------|
| chr4 | 107667138 | 107674196 | NOBOX_MII_03                          | 1000 | - | 107667390 | 107674179 |
|      | 0         | 8         | 548,302,232,74,110,107,132,54,        |      |   |           |           |
|      |           |           | 0,1468,2240,2695,3543,3972,4464,7004, |      |   |           |           |

track name="TPRX1" description="bovine TPRX1 cDNA clones and the putative ORFs" visibility=2  
itemRgb="On" colorByStrand="198,83,55 198,83,55"

|       |          |          |             |             |   |          |          |
|-------|----------|----------|-------------|-------------|---|----------|----------|
| chr18 | 54684554 | 54686759 | TPRX1_8c_06 | 1000        | - | 54685159 | 54686749 |
|       | 0        | 3        | 734,113,35, | 0,946,2170, |   |          |          |

|       |          |          |              |              |   |          |          |
|-------|----------|----------|--------------|--------------|---|----------|----------|
| chr18 | 54684557 | 54686747 | TPRX1_16c_05 | 1000         | - | 54685126 | 54686747 |
|       | 0        | 3        | 695,111,23,  | 0,1601,2167, |   |          |          |

|       |          |          |                 |                  |   |          |          |
|-------|----------|----------|-----------------|------------------|---|----------|----------|
| chr18 | 54684552 | 54686759 | TPRX1_16c_04    | 1000             | - | 54684914 | 54686749 |
|       | 0        | 4        | 457,115,170,35, | 0,946,1547,2172, |   |          |          |

|       |          |          |                 |      |   |          |          |
|-------|----------|----------|-----------------|------|---|----------|----------|
| chr18 | 54684552 | 54686759 | TPRX1_16c_03    | 1000 | - | 54685215 | 54686749 |
|       | 0        | 2        | 740,35, 0,2172, |      |   |          |          |

|       |          |          |                    |                       |   |          |          |
|-------|----------|----------|--------------------|-----------------------|---|----------|----------|
| chr18 | 54684557 | 54686747 | TPRX1_16c_02       | 1000                  | - | 54685215 | 54686747 |
|       | 0        | 5        | 727,150,24,170,23, | 0,802,1032,1542,2167, |   |          |          |
| chr18 | 54684557 | 54686747 | TPRX1_16c_01       | 1000                  | - | 54685031 | 54686747 |
|       | 0        | 3        | 1056,170,23,       | 0,1542,2167,          |   |          |          |

track name="TPRX2" description="bovine TPRX2 cDNA clones and the putative ORFs" visibility=2  
itemRgb="On" colorByStrand="198,83,55 198,83,55"

|       |          |          |                 |                  |   |          |          |
|-------|----------|----------|-----------------|------------------|---|----------|----------|
| chr18 | 54725806 | 54727918 | TPRX2_16c_01    | 1000             | + | 54725839 | 54727473 |
|       | 0        | 3        | 58,170,940,     | 0,516,1172,      |   |          |          |
| chr18 | 54725806 | 54727922 | TPRX2_16c_02    | 1000             | + | 54727559 | 54727922 |
|       | 0        | 2        | 54,395, 0,1721, |                  |   |          |          |
| chr18 | 54725806 | 54727909 | TPRX2_16c_03    | 1000             | + | 54725839 | 54727358 |
|       | 0        | 4        | 58,170,84,821,  | 0,516,1172,1282, |   |          |          |
| chr18 | 54725806 | 54727922 | TPRX2_16c_04    | 1000             | + | 54727559 | 54727922 |
|       | 0        | 2        | 51,404, 0,1712, |                  |   |          |          |

track name="TPRX3" description="bovine TPRX3 cDNA clones and the putative ORFs" visibility=2  
itemRgb="On" colorByStrand="198,83,55 198,83,55"

|       |          |          |              |              |   |          |          |
|-------|----------|----------|--------------|--------------|---|----------|----------|
| chr18 | 62775050 | 62777476 | TPRX3_8c_01  | 1000         | - | 62775727 | 62777443 |
|       | 0        | 3        | 1214,152,37, | 0,1652,2389, |   |          |          |
| chr18 | 62775020 | 62777461 | TPRX3_8c_02  | 1000         | - | 62775727 | 62776054 |
|       | 0        | 2        | 1244,22,     | 0,2419,      |   |          |          |

### Supplementary Text 2. UCSC genome browser track for visualizing SNVs.

track name="BLAT Results" indelQueryInsert on description="BLAT Results in bigPsl Format"  
visibility=full type=bigPsl showDiffBasesAllScales=. baseColorUseSequence=IfExtra  
baseColorDefault=diffBases  
bigDataUrl=<https://zenodo.org/records/10606461/files/myBigPsl.bb?download=1>