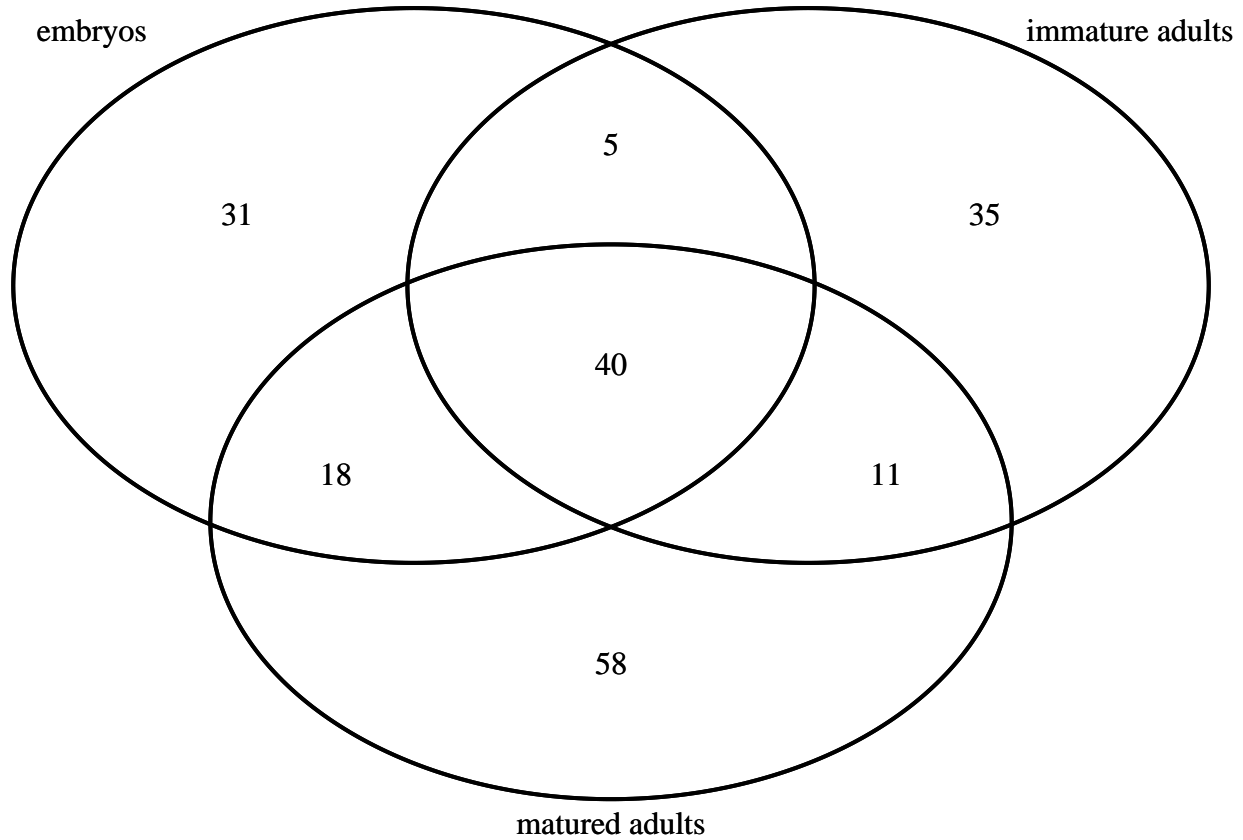


num of candidates: cds-cds fusions

Mariko Nakagawa

2023-01-25



embryos & immature adults & matured adults

```
## [1] "PAR_1249454_+PAR_1251424_+" "PAR_1346720_+PAR_1359527_+"
## [3] "PAR_4827482_+PAR_4829402_+" "PAR_6154277_+chr1_14490886_+"
## [5] "PAR_9701026_+PAR_9703040_+" "PAR_11712519_+PAR_11713119_+"
## [7] "PAR_12949611_+PAR_12950165_+" "PAR_13289138_+PAR_13358600_+"
## [9] "PAR_13894881_+PAR_13895898_+" "PAR_14437784_+chr1_14499367_+"
## [11] "XSR_2301607_+XSR_2301806_+" "XSR_3603107_+XSR_3603222_+"
## [13] "XSR_4713807_+XSR_4717277_+" "XSR_11514461_+XSR_11518907_+"
## [15] "chr1_1905035_+chr1_1938635_+" "chr1_1943625_+chr1_1947609_+"
## [17] "chr1_3519925_+chr1_3521998_+" "chr1_3588573_+chr1_3588955_+"
## [19] "chr1_6998166_+chr1_7001180_+" "chr1_10142959_+chr1_10182820_+"
## [21] "chr1_10319689_+chr1_10319905_+" "chr1_10319573_+chr1_10319939_+"
## [23] "chr1_10319604_+chr1_10319971_+" "chr1_10319587_+chr1_10319954_+"
## [25] "chr1_10319579_+chr1_10319946_+" "chr2_431668_+chr2_434454_+"
## [27] "chr2_8574308_+chr2_8574720_+" "chr2_8892501_+chr2_8892578_+"

```

```
## [29] "chr2_9960592+_chr2_9961355_+" "chr2_9960592+_chr2_9961937_+"
## [31] "chr2_10487175+_chr2_10525519_+" "chr2_10817576+_chr2_10826863_+"
## [33] "chr2_12329868+_chr2_12528068_+" "chr2_12334730+_chr2_12531588_+"
## [35] "chr2_12721948+_chr2_12724022_+" "chr2_12726496+_chr2_12729254_+"
## [37] "chr2_13776134+_chr2_13776323_+" "chr2_14297375+_chr2_14297489_+"
## [39] "chr2_15248065+_chr2_15250155_+" "chr2_15938411+_chr2_15940345_+"

```

only in embryos

```
## [1] "PAR_5596332+_PAR_5600172_+" "PAR_5597310+_PAR_5600366_+"
## [3] "PAR_5598681+_PAR_5601879_+" "PAR_11102313+_PAR_11105717_+"
## [5] "PAR_13894794-_PAR_13895962_-" "PAR_13894811-_PAR_13895979_-"
## [7] "PAR_13894816-_PAR_13895984_-" "PAR_13894845-_PAR_13896012_-"
## [9] "XSR_6351013+_chr1_1275324_+" "XSR_11514390-_XSR_11518987_-"
## [11] "XSR_11514402-_XSR_11518999_-" "XSR_11514434-_XSR_11519031_-"
## [13] "XSR_11514434-_XSR_11519029_-" "YSR_1300232+_chr2_1461676_+"
## [15] "chr1_1904993-_chr1_1938734_-" "chr1_3588477-_chr1_3588978_-"
## [17] "chr1_3588524-_chr1_3589052_-" "chr1_5840650+_chr2_2410781_+"
## [19] "chr1_10142886-_chr1_10182898_-" "chr1_10142928-_chr1_10182940_-"
## [21] "chr1_10142872-_chr1_10182884_-" "chr1_10145815+_chr1_10185688_+"
## [23] "chr1_10319615-_chr1_10319982_-" "chr1_10319625-_chr1_10319992_-"
## [25] "chr1_10319578-_chr1_10319945_-" "chr1_10319594-_chr1_10319961_-"
## [27] "chr2_1812759+_chr2_1815803_+" "chr2_12334653-_chr2_12531662_-"
## [29] "chr2_12721878-_chr2_12724103_-" "chr2_12721900-_chr2_12724125_-"
## [31] "chr2_14297322-_chr2_14297524_-"

```

only in immature adults

```
## [1] "PAR_851521+_PAR_851725_+" "PAR_2284552+_PAR_2286237_+"
## [3] "PAR_2685342+_PAR_2762782_+" "PAR_8683083+_chr2_5695570_+"
## [5] "PAR_8779475-_PAR_8786823_-" "PAR_8779483-_PAR_8786822_-"
## [7] "PAR_8779487-_PAR_8786834_-" "PAR_8779505-_PAR_8786849_-"
## [9] "PAR_8779507-_PAR_8786823_-" "PAR_10289169+_YSR_2759429_+"
## [11] "PAR_11712439-_PAR_11713187_-" "PAR_11712475-_PAR_11713187_-"
## [13] "PAR_11712444-_PAR_11713187_-" "PAR_11712477-_PAR_11713187_-"
## [15] "PAR_11712430-_PAR_11713167_-" "PAR_11712455-_PAR_11713187_-"
## [17] "PAR_11712469-_PAR_11713172_-" "PAR_11712430-_PAR_11713159_-"
## [19] "PAR_11712458-_PAR_11713187_-" "PAR_11712469-_PAR_11713187_-"
## [21] "PAR_11712431-_PAR_11713182_-" "XSR_9484598+_chr2_9595981_+"
## [23] "chr1_3669737+_XSR_10444650_+" "YSR_1272049-_chr1_13609046_-"
## [25] "chr1_6428624-_chr1_6439981_-" "chr1_6428694+_chr1_6439934_+"
## [27] "chr1_7768476+_chr1_7770700_+" "chr1_7768409-_chr1_7770760_-"
## [29] "chr1_8108103+_chr1_8108664_+" "chr1_8107994-_chr1_8108706_-"
## [31] "chr1_9937395+_chr1_9939629_+" "chr2_4623011+_chr2_4665291_+"
## [33] "chr2_5304327+_chr2_5304540_+" "chr2_9960515-_chr2_9961428_-"
## [35] "chr2_12265992+_chr2_12481326_+"

```

only in matured adults

```
## [1] "PAR_9932021+_XSR_5093927_+" "PAR_9932506-_chr1_674006_-"
## [3] "PAR_9932504-_chr1_674004_-" "PAR_9932507-_chr1_674007_-"
## [5] "PAR_9932503-_chr1_674003_-" "PAR_9932505-_chr1_674005_-"
## [7] "PAR_9932511-_chr1_674010_-" "PAR_12949556-_PAR_12950261_-"
## [9] "PAR_12949567-_PAR_12950268_-" "PAR_13894833-_PAR_13895997_-"
## [11] "PAR_14437655-_chr1_14499387_-" "XSR_847995-_chr1_8027163_-"

```

```

## [13] "XSR_847999_-_chr1_8027166_-" "XSR_847995_-_chr1_8027162_-"
## [15] "XSR_847997_-_chr1_8027165_-" "XSR_847999_-_chr1_8027167_-"
## [17] "XSR_848000_-_chr1_8027167_-" "XSR_847996_-_chr1_8027164_-"
## [19] "XSR_848001_-_chr1_8027167_-" "XSR_848001_-_chr1_8027169_-"
## [21] "XSR_848022+_chr1_8027039_+" "XSR_847995_-_chr1_8027161_-"
## [23] "XSR_848000_-_chr1_8027168_-" "XSR_4713778_-_XSR_4717399_-"
## [25] "XSR_11514411_-_XSR_11519008_-" "chr1_3588549_-_chr1_3589082_-"
## [27] "chr1_6153813+_chr1_6156646_+" "chr1_6998062_-_chr1_7001227_-"
## [29] "chr1_10142894_-_chr1_10182906_-" "chr1_10319608_-_chr1_10319974_-"
## [31] "chr1_10319585_-_chr1_10319951_-" "chr1_10319657_-_chr1_10320023_-"
## [33] "chr1_10319581_-_chr1_10319948_-" "chr1_10319606_-_chr1_10319973_-"
## [35] "chr1_10319634_-_chr1_10320000_-" "chr1_10319611_-_chr1_10319977_-"
## [37] "chr1_10319636_-_chr1_10320003_-" "chr1_10319587_-_chr1_10319953_-"
## [39] "chr2_8574249_-_chr2_8574812_-" "chr2_9960515_-_chr2_9961426_-"
## [41] "chr2_9960532_-_chr2_9961445_-" "chr2_9960515_-_chr2_9961427_-"
## [43] "chr2_9960516_-_chr2_9961429_-" "chr2_9960558_-_chr2_9961445_-"
## [45] "chr2_9960545_-_chr2_9961445_-" "chr2_9960540_-_chr2_9961445_-"
## [47] "chr2_9960483_-_chr2_9961396_-" "chr2_9960512_-_chr2_9961425_-"
## [49] "chr2_9960544_-_chr2_9961445_-" "chr2_9960495_-_chr2_9961408_-"
## [51] "chr2_9960515_-_chr2_9962008_-" "chr2_9960549_-_chr2_9962044_-"
## [53] "chr2_9960557_-_chr2_9962049_-" "chr2_10817457_-_chr2_10826895_-"
## [55] "chr2_12321761+_chr2_12519525_+" "chr2_13776078_-_chr2_13776385_-"
## [57] "chr2_13776104_-_chr2_13776385_-" "chr2_13776026_-_chr2_13776366_-"

```

embryos & immature adults

```

## [1] "PAR_7036624+_PAR_7036861_+" "PAR_8779586+_PAR_8786784_+"
## [3] "PAR_11009854+_PAR_11011428_+" "XSR_10445899+_chr1_1298812_+"
## [5] "XSR_11531405+_XSR_11535021_+"

```

immature adults & matured adults

```

## [1] "PAR_9932628+_chr1_673977_+" "PAR_9932986+_XSR_5094862_+"
## [3] "YSR_1272168+_chr1_13609015_+" "YSR_1272571+_chr1_13609634_+"
## [5] "chr1_5160595+_chr1_14465887_+" "chr2_4440908+_chr2_4448027_+"
## [7] "chr2_9960542_-_chr2_9961445_-" "chr2_9960557_-_chr2_9961445_-"
## [9] "chr2_9960539_-_chr2_9961445_-" "chr2_11181078+_chr2_11182954_+"
## [11] "chr2_12966982+_chr2_12971516_+"

```

embryos & matured adults

```

## [1] "XSR_383843+_chr1_14486168_+" "XSR_11514347_-_XSR_11518944_-"
## [3] "XSR_11514434_-_XSR_11519030_-" "XSR_11514431_-_XSR_11519028_-"
## [5] "chr1_3588474_-_chr1_3588991_-" "chr1_8077246+_chr1_8079274_+"
## [7] "chr1_10144632+_chr1_10185471_+" "chr1_10144611_-_chr1_10185584_-"
## [9] "chr1_10319618_-_chr1_10319985_-" "chr1_10319583_-_chr1_10319950_-"
## [11] "chr1_10319617_-_chr1_10319984_-" "chr1_10319621_-_chr1_10319988_-"
## [13] "chr1_10319605_-_chr1_10319972_-" "chr1_10319636_-_chr1_10320002_-"
## [15] "chr1_10319611_-_chr1_10319976_-" "chr2_8574200_-_chr2_8574761_-"
## [17] "chr2_9359921+_chr2_9365745_+" "chr2_9360740+_chr2_9366254_+"

```