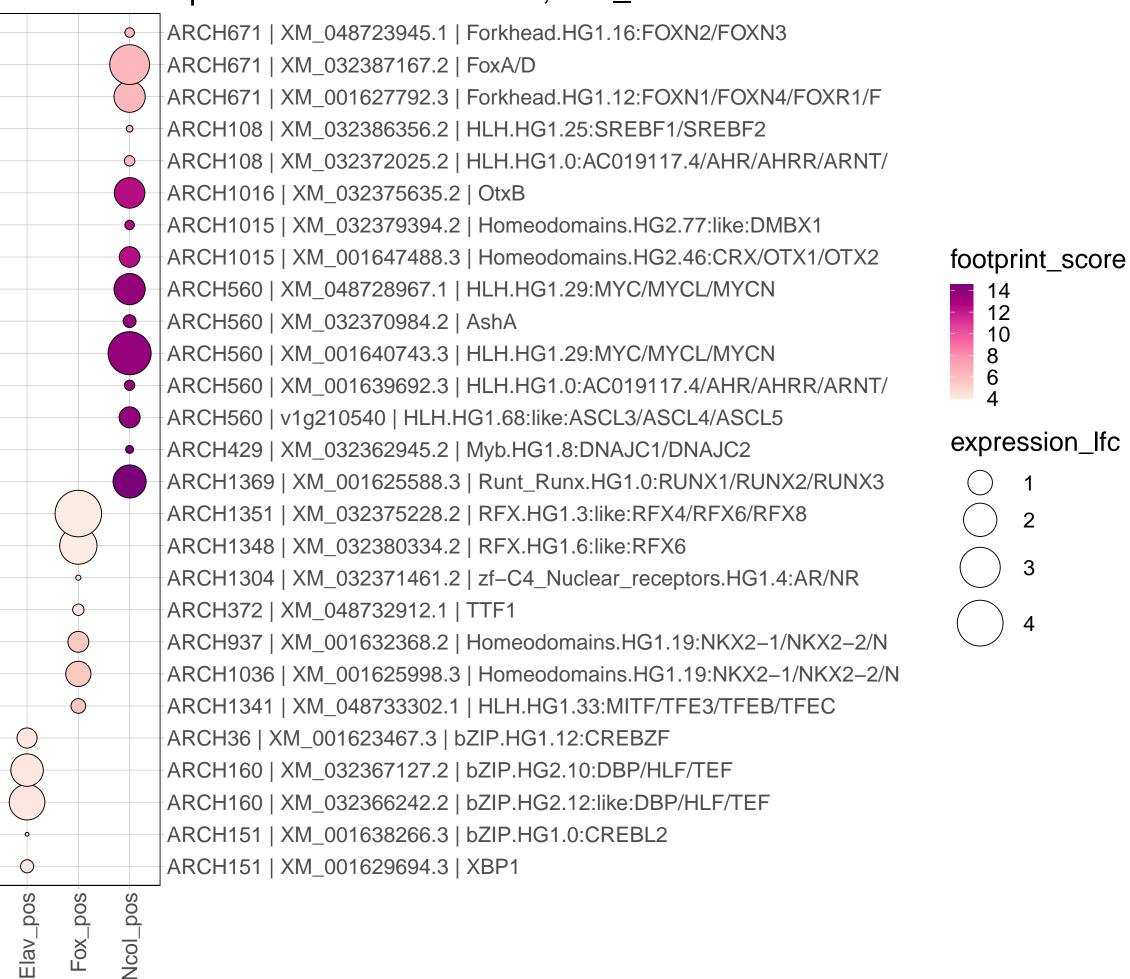
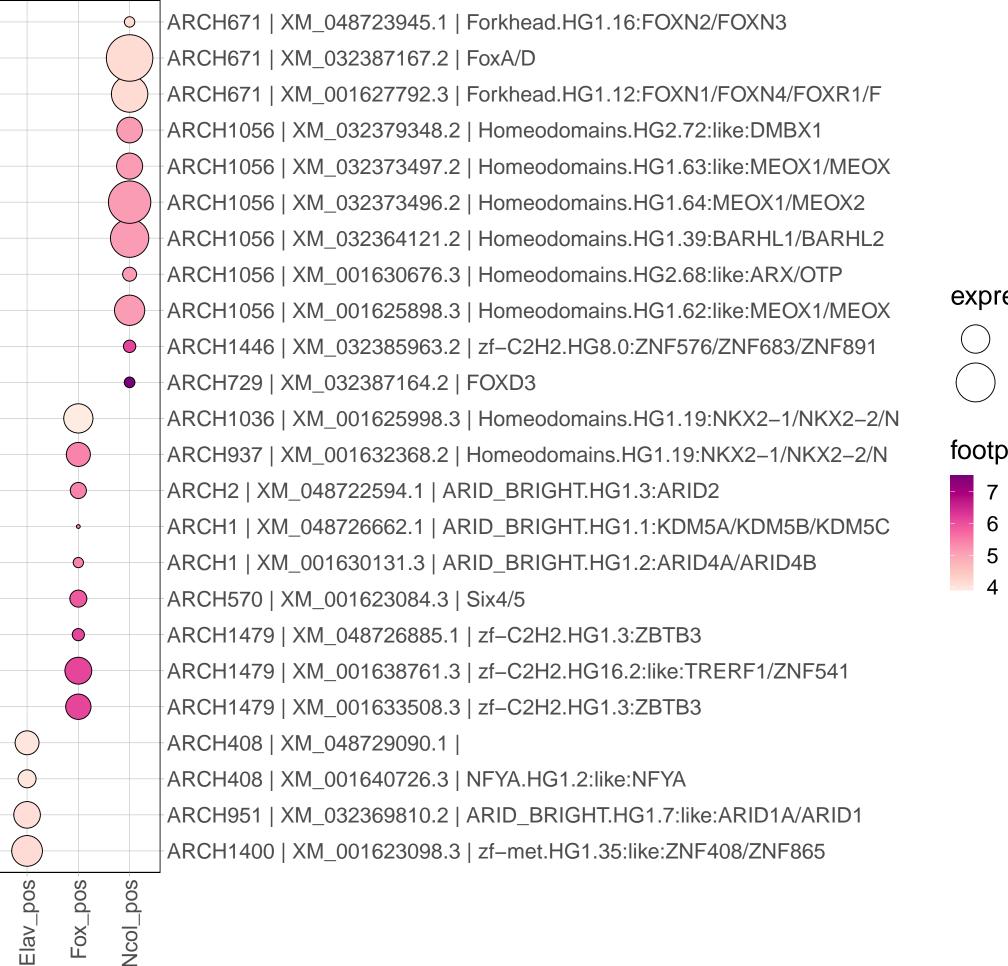
#### Nvec\_vc1.1\_XM\_032385685.2 GPCR-rhodopsin:like:GPR176:likeclu:; 7tm\_1/



#### Nvec\_vc1.1\_XM\_032367127.2 bZIP.HG2.10:DBP/HLF/TEF; DBP/HLF/TEF



#### Nvec\_vc1.1\_XM\_048720228.1 Sushi, nidogen and EGF-like domain-; NIDO/



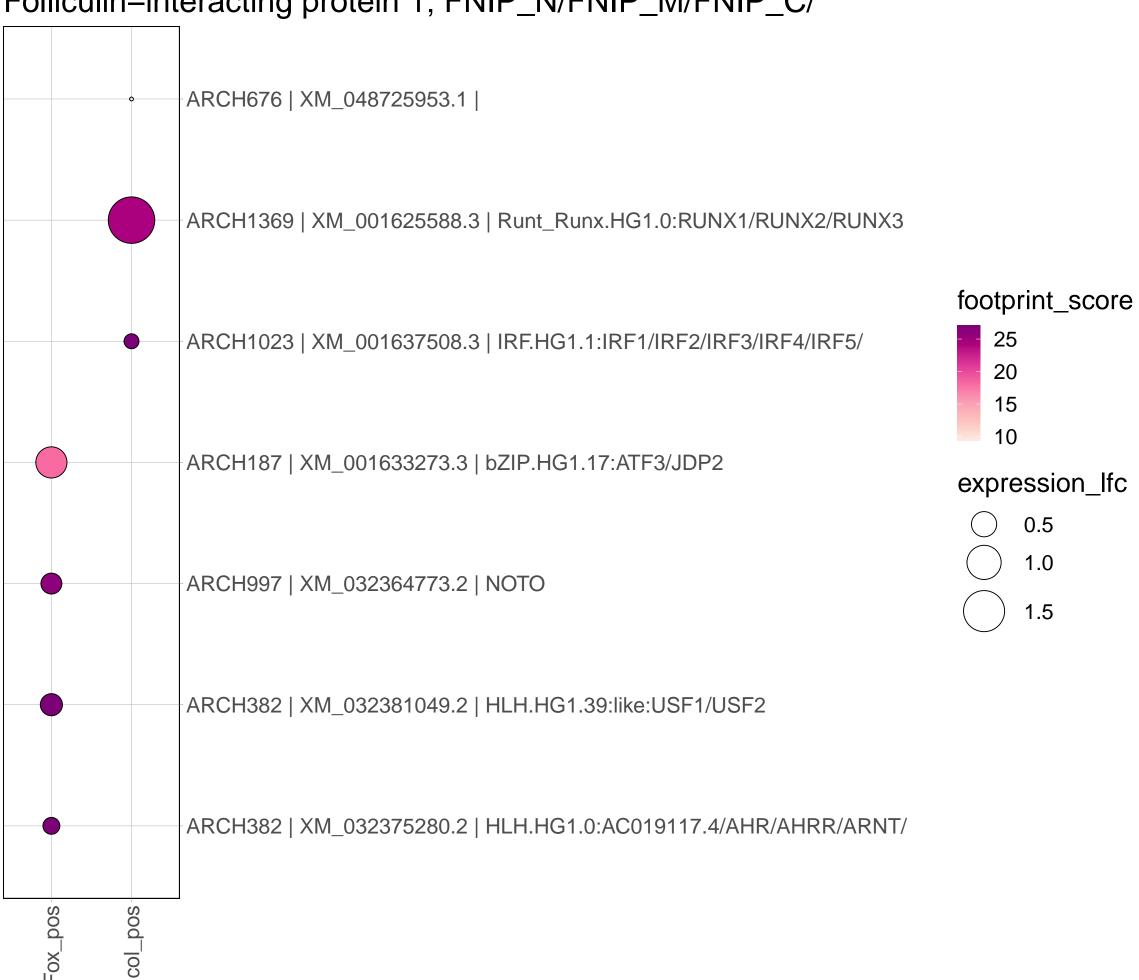
expression\_lfc

1

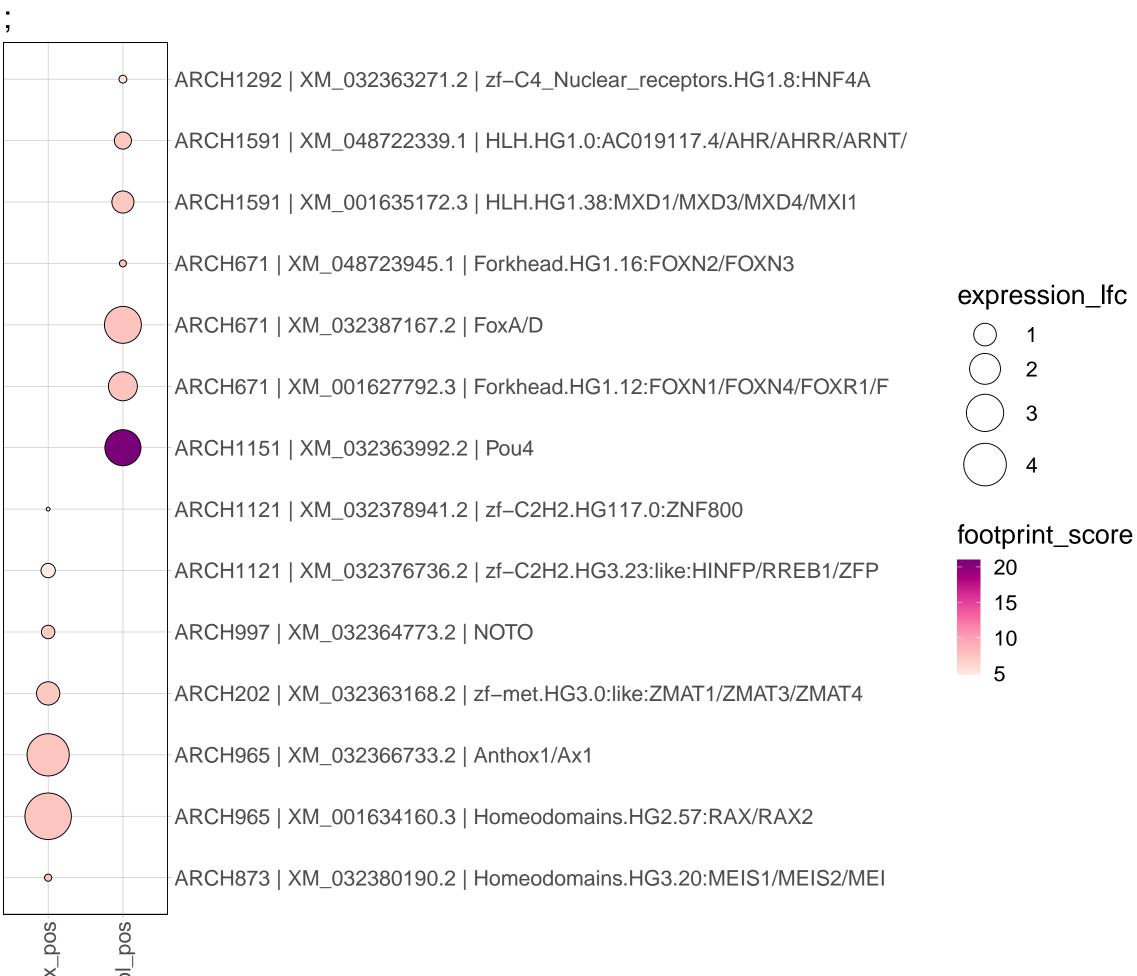
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footprint\_score

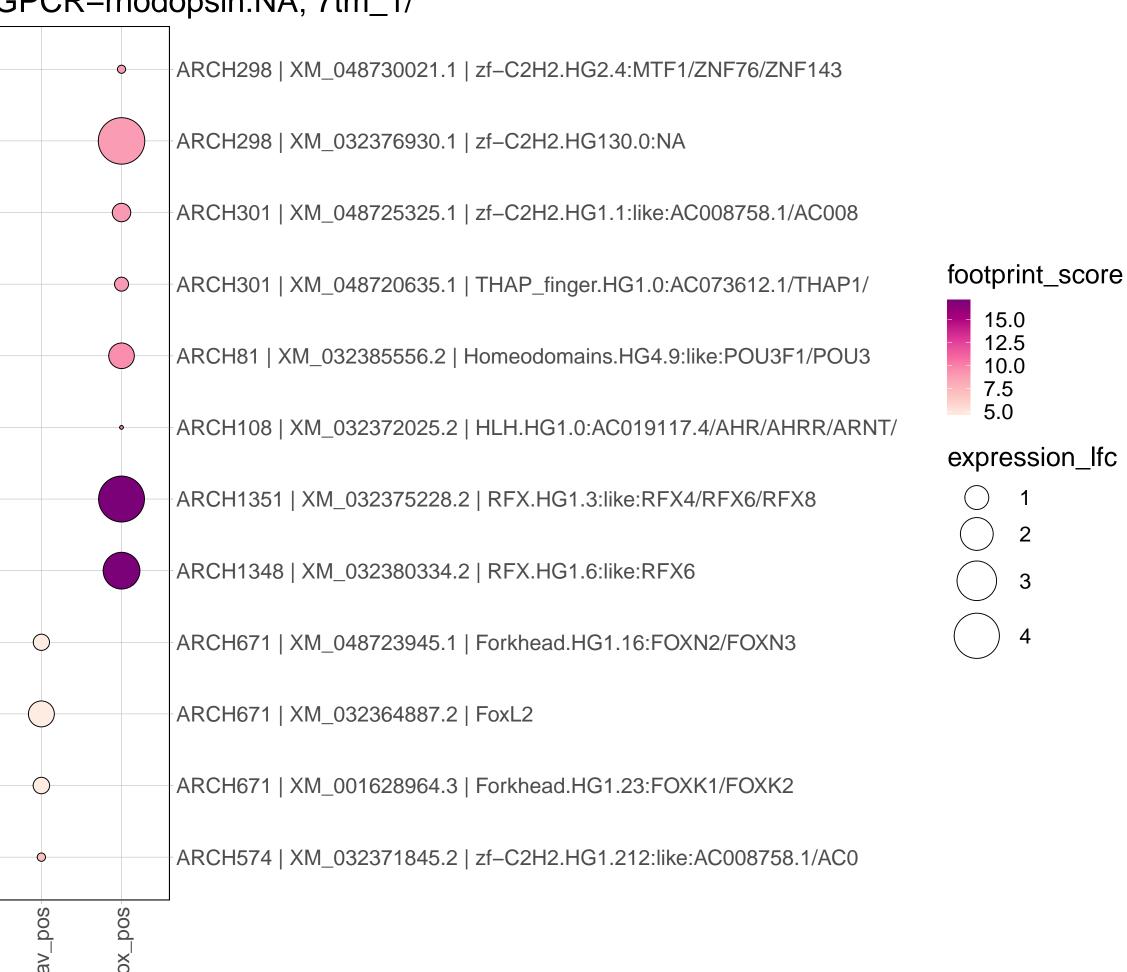
### Nvec\_vc1.1\_XM\_048734432.1 Folliculin–interacting protein 1; FNIP\_N/FNIP\_M/FNIP\_C/



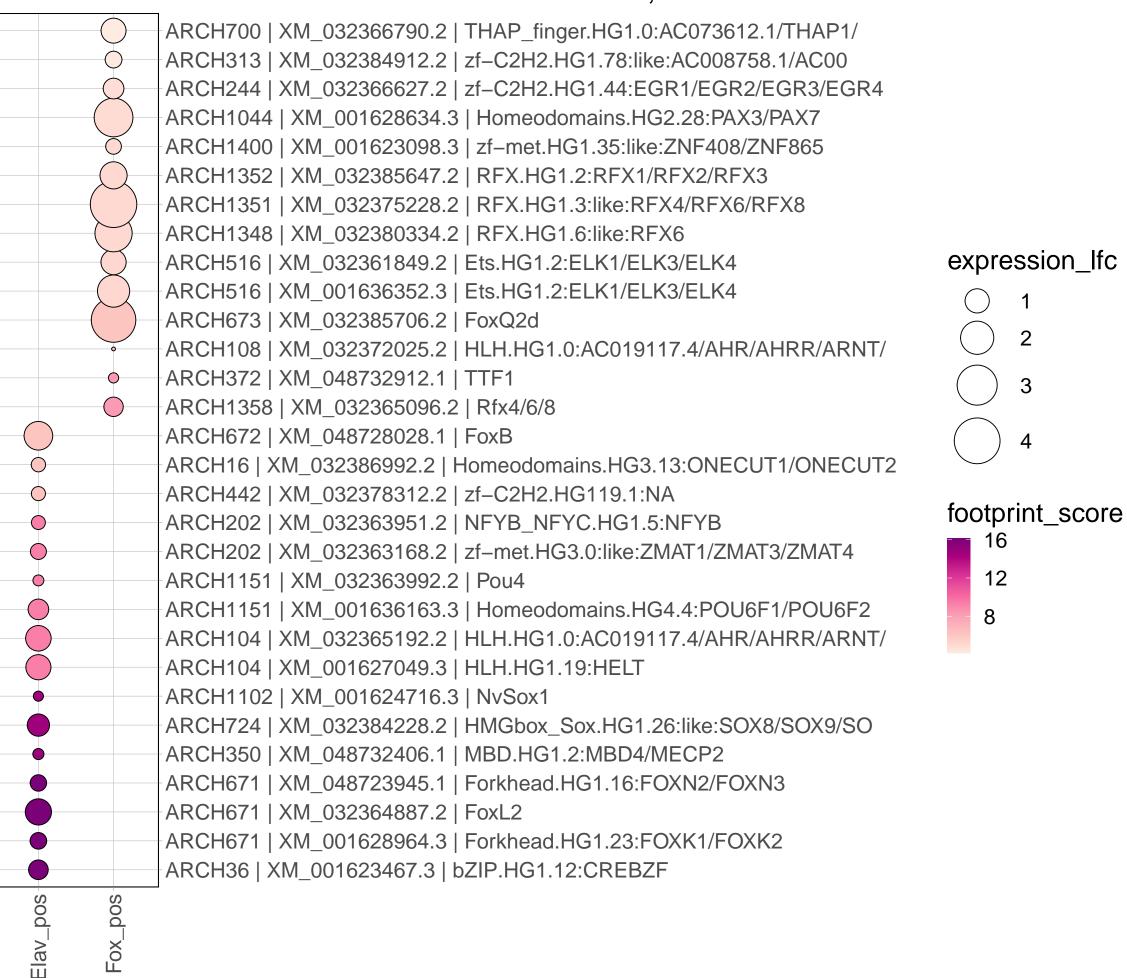
#### Nvec\_vc1.1\_XM\_001627750.3



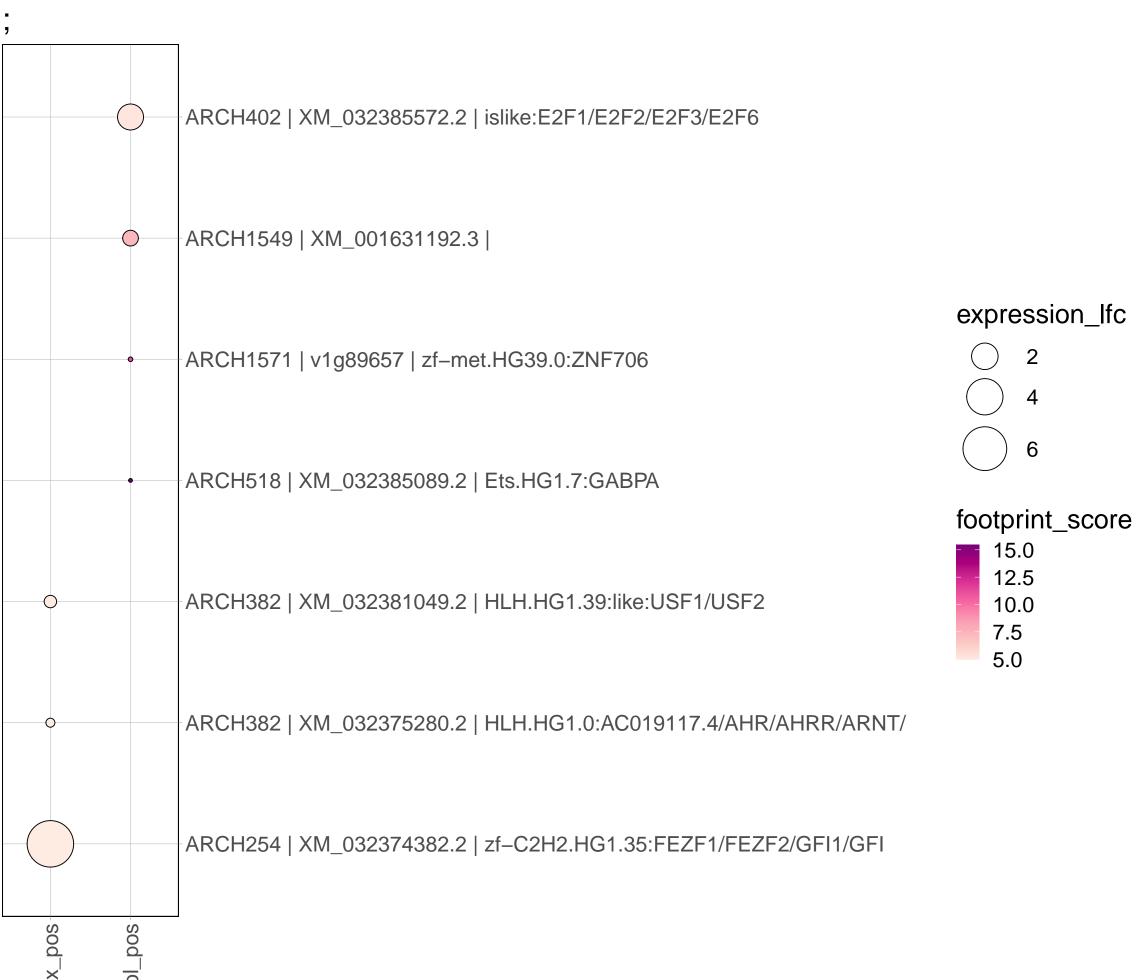
## Nvec\_vc1.1\_XM\_048722463.1 GPCR-rhodopsin:NA; 7tm\_1/



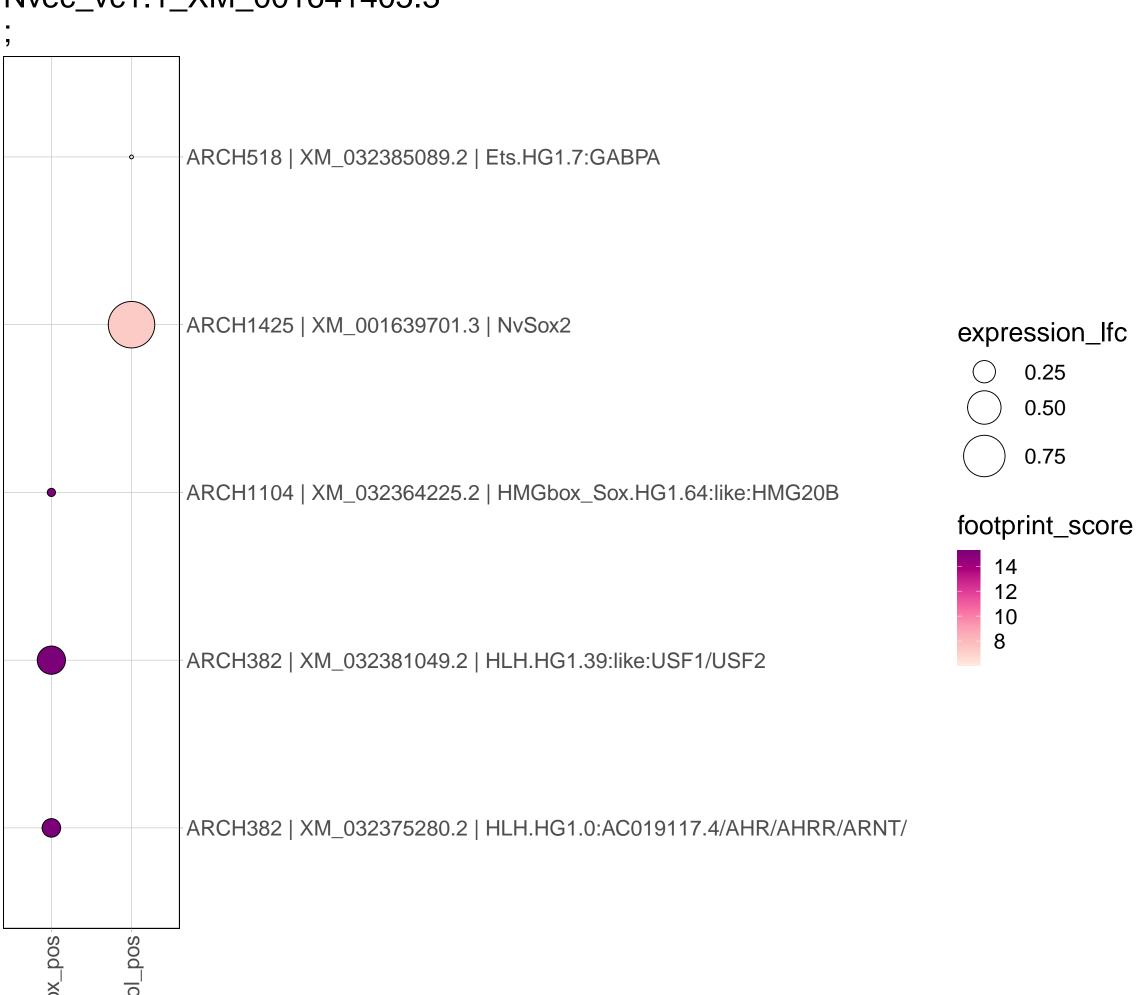
### Nvec\_vc1.1\_XM\_001627964.3 ion-NaKCa:KCNA1/KCNA10/KCNA2/KCNA3/; ion-NaKCa:HG1.6:KCNA1/KCNA



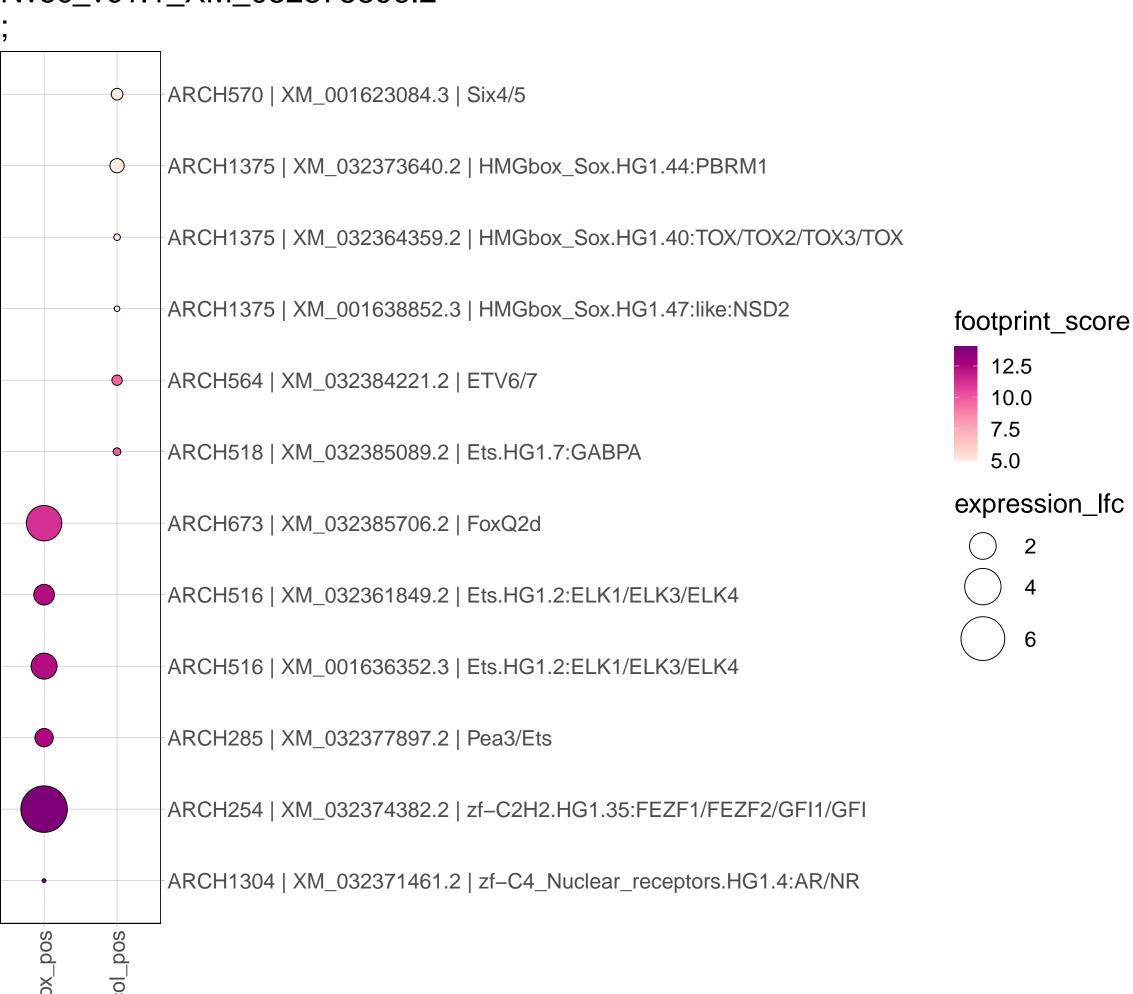
#### Nvec\_vc1.1\_XM\_048729250.1



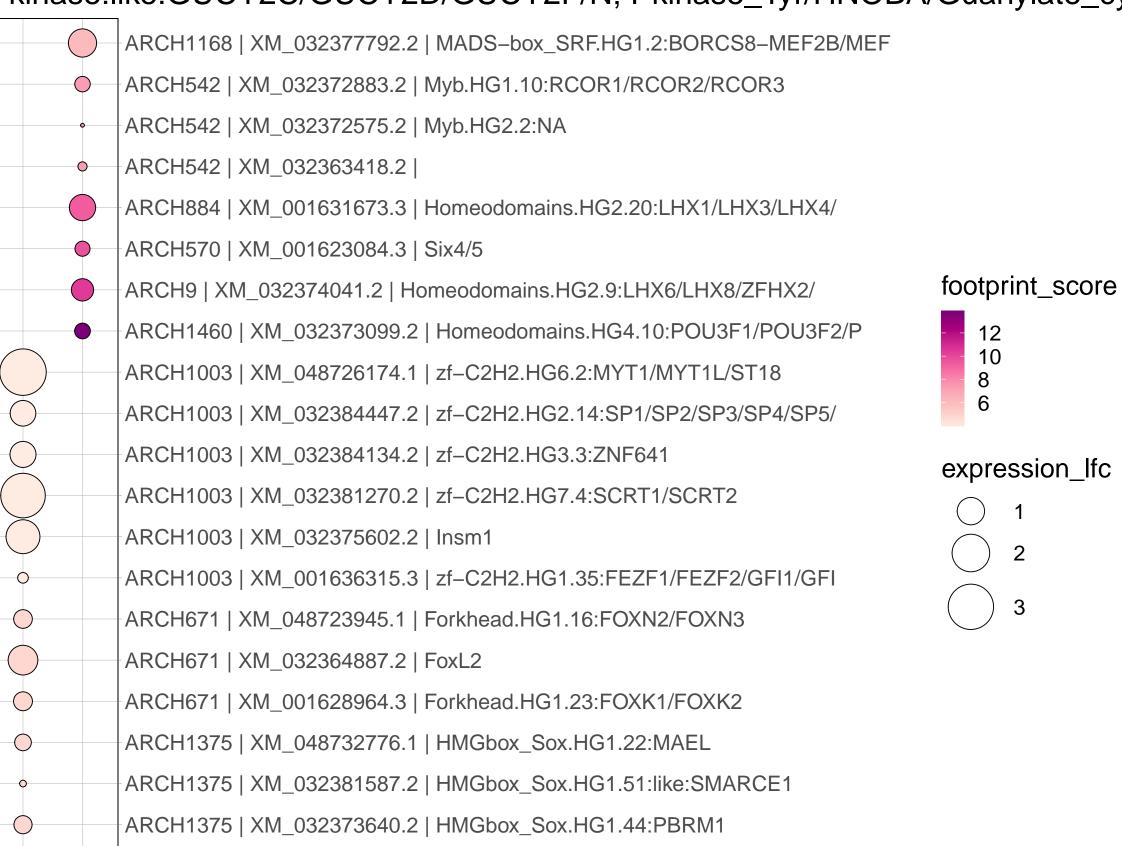
#### Nvec\_vc1.1\_XM\_001641405.3



#### Nvec\_vc1.1\_XM\_032375896.2



## Nvec\_vc1.1\_XM\_032376323.2 Pkinase:like:GUCY2C/GUCY2D/GUCY2F/N; Pkinase\_Tyr/HNOBA/Guanylate\_cy

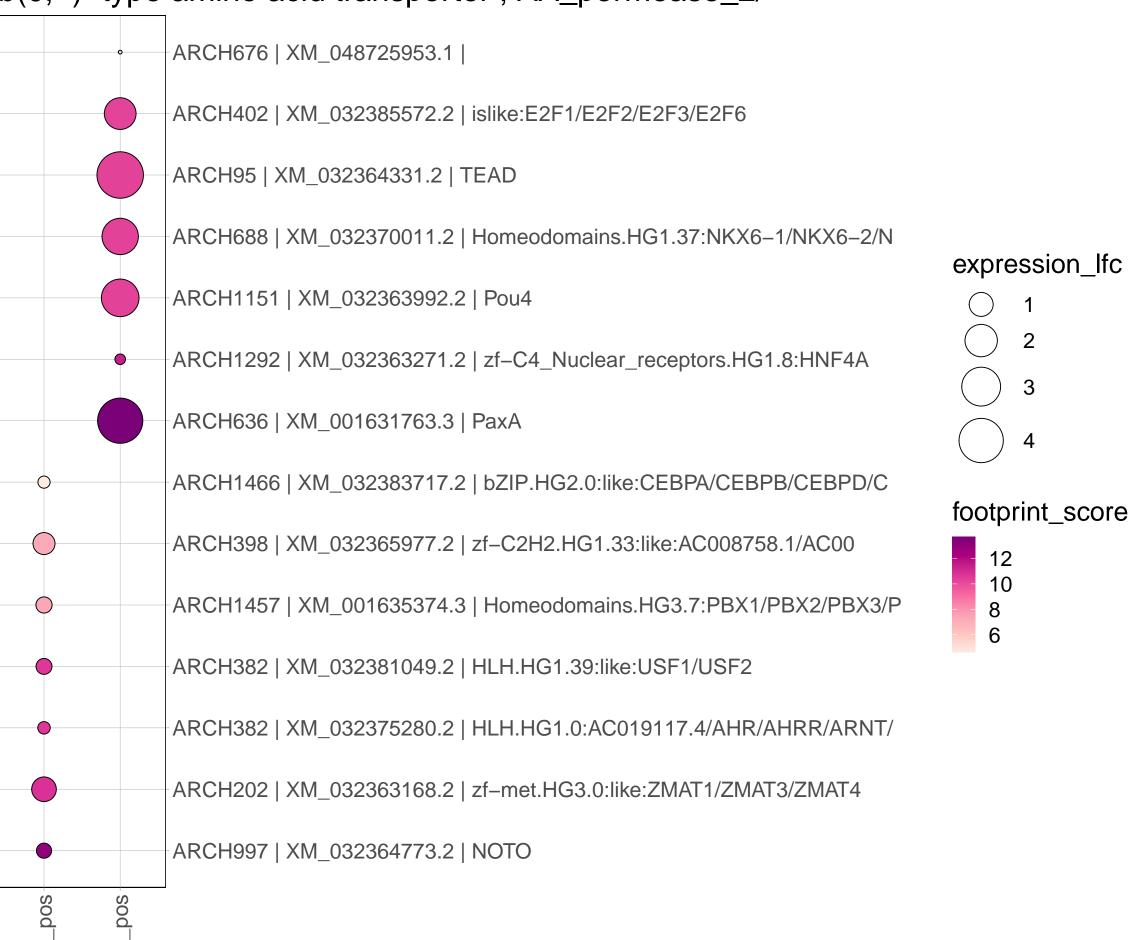


ARCH1375 | XM\_032364359.2 | HMGbox\_Sox.HG1.40:TOX/TOX2/TOX3/TOX

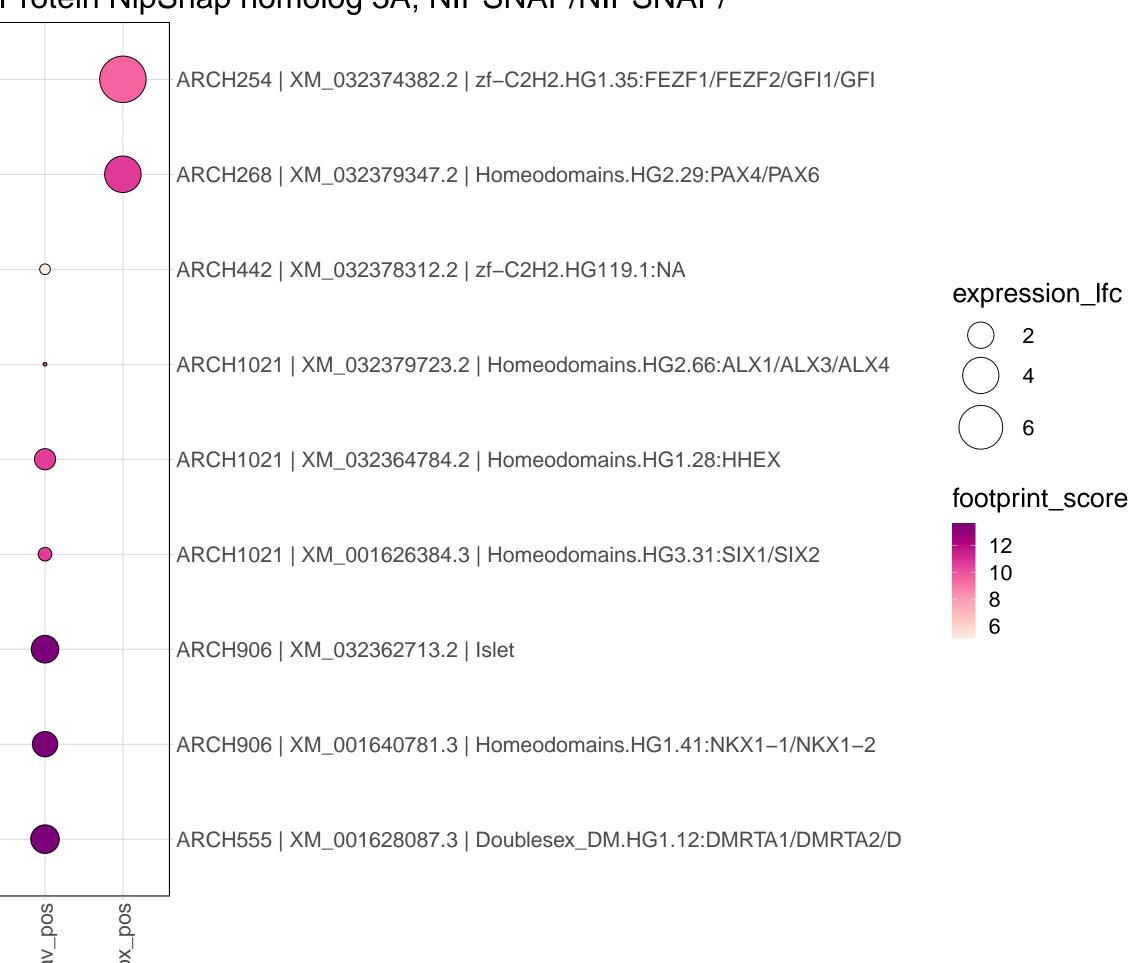
Elav\_pos

Ncol\_pos

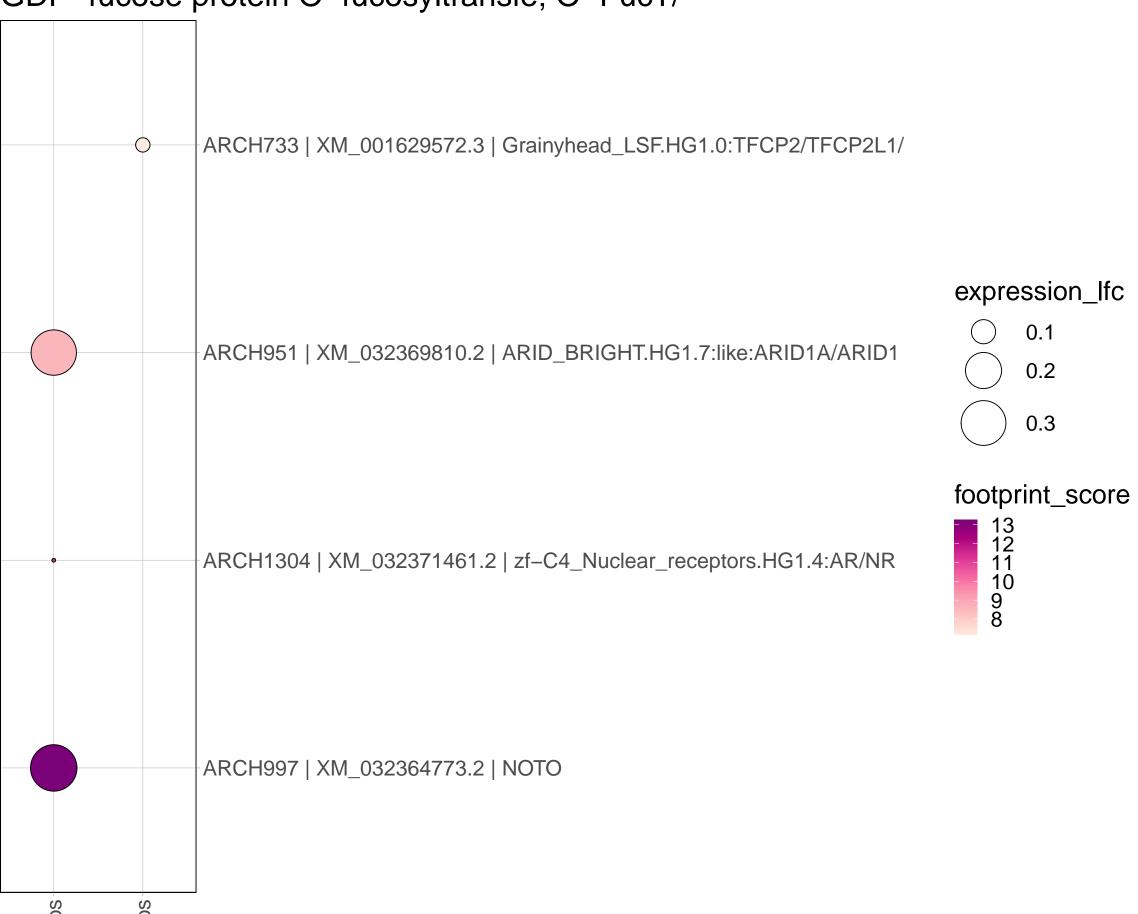
#### Nvec\_vc1.1\_XM\_032381641.2 b(0,+)-type amino acid transporter; AA\_permease\_2/



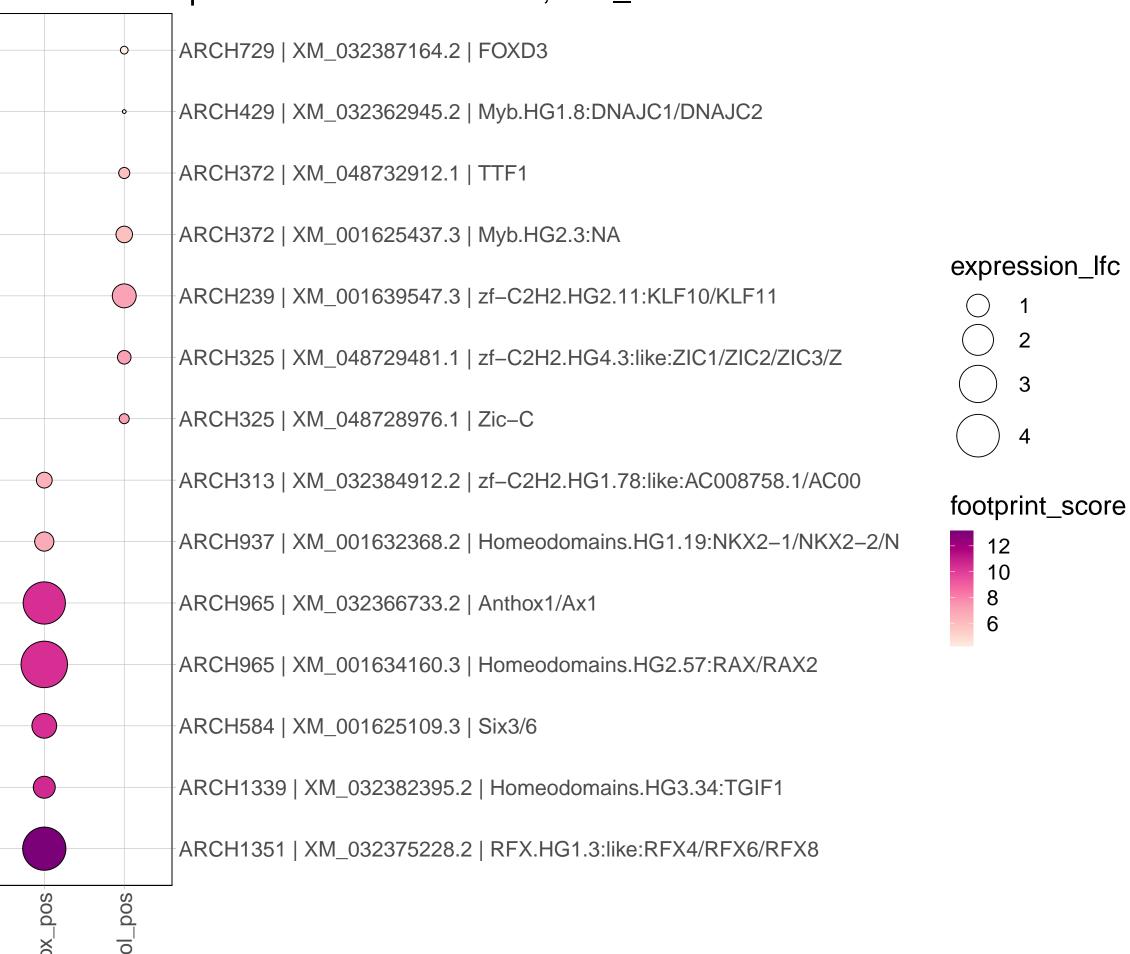
# Nvec\_vc1.1\_XM\_001632745.3 Protein NipSnap homolog 3A; NIPSNAP/NIPSNAP/



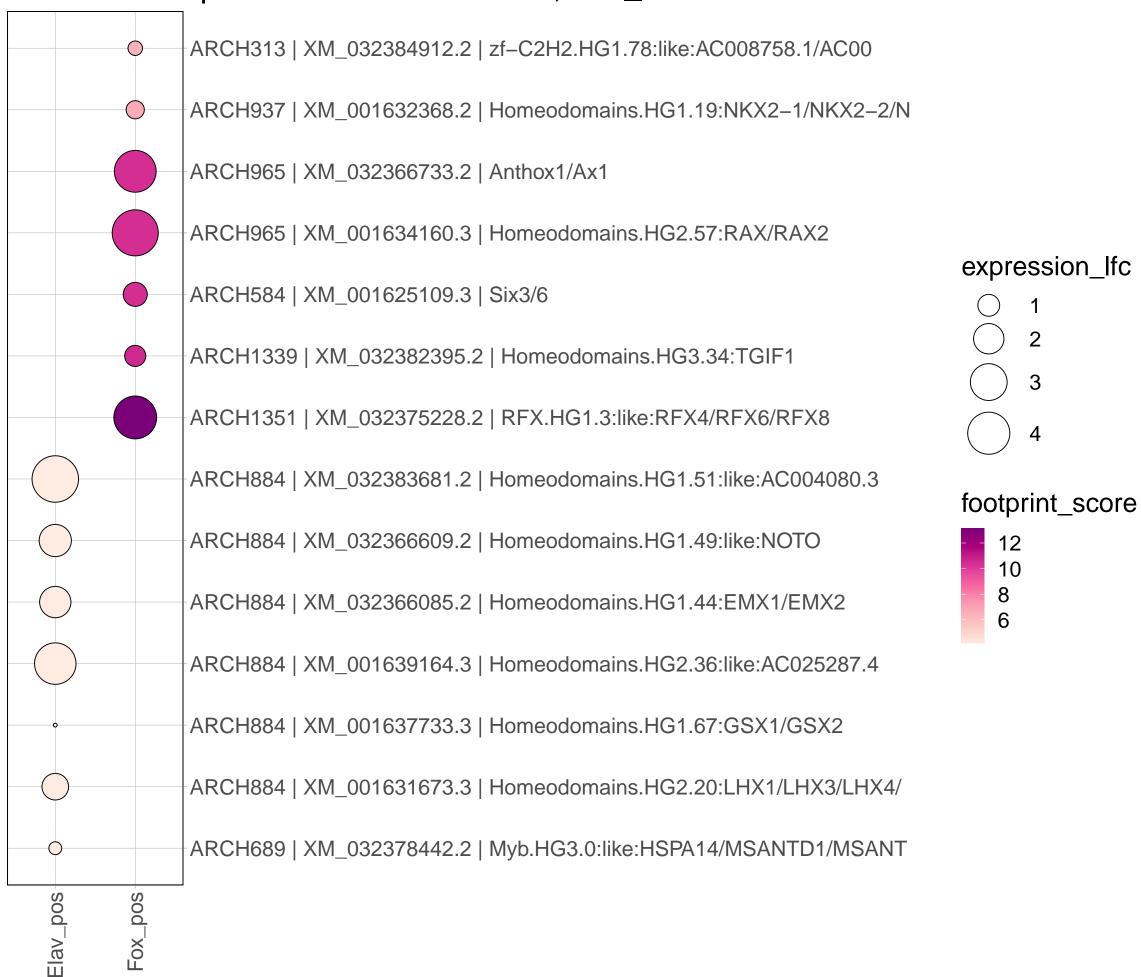
# Nvec\_vc1.1\_XM\_048724152.1 GDP-fucose protein O-fucosyltransfe; O-FucT/



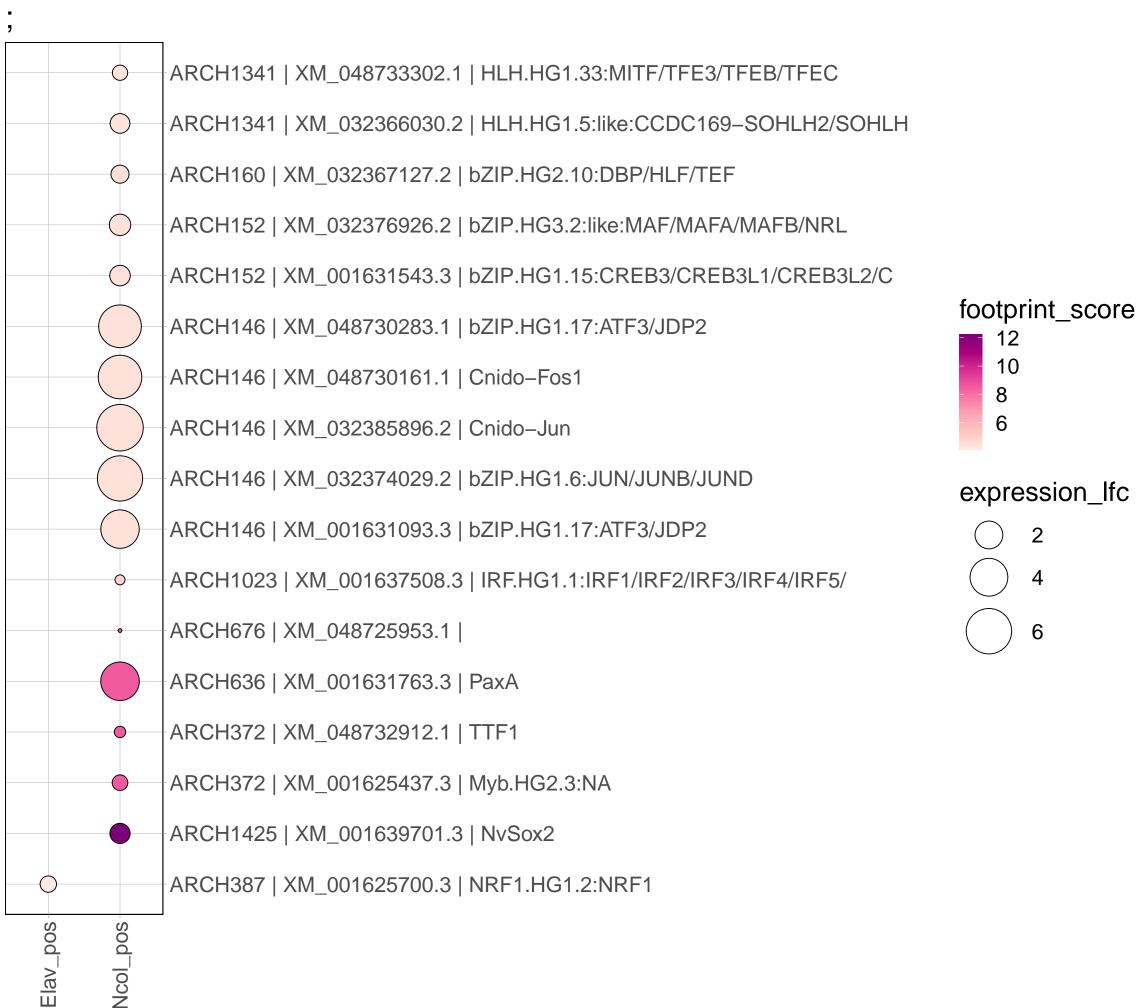
#### Nvec\_vc1.1\_XM\_048731865.1 GPCR-rhodopsin:like:GPR176:likeclu:; 7tm\_1/



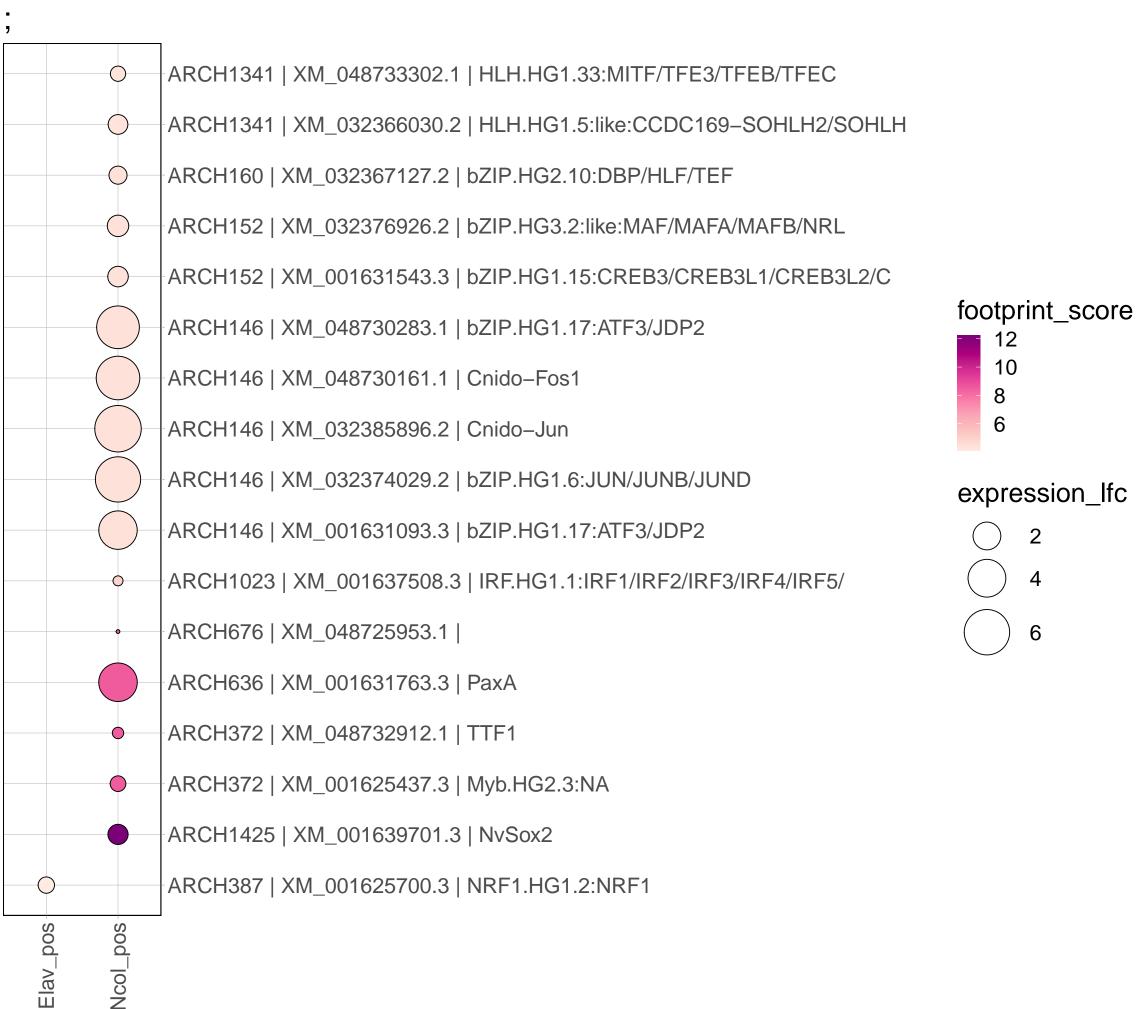
#### Nvec\_vc1.1\_XM\_048731890.1 GPCR-rhodopsin:like:GPR176:likeclu:; 7tm\_1/



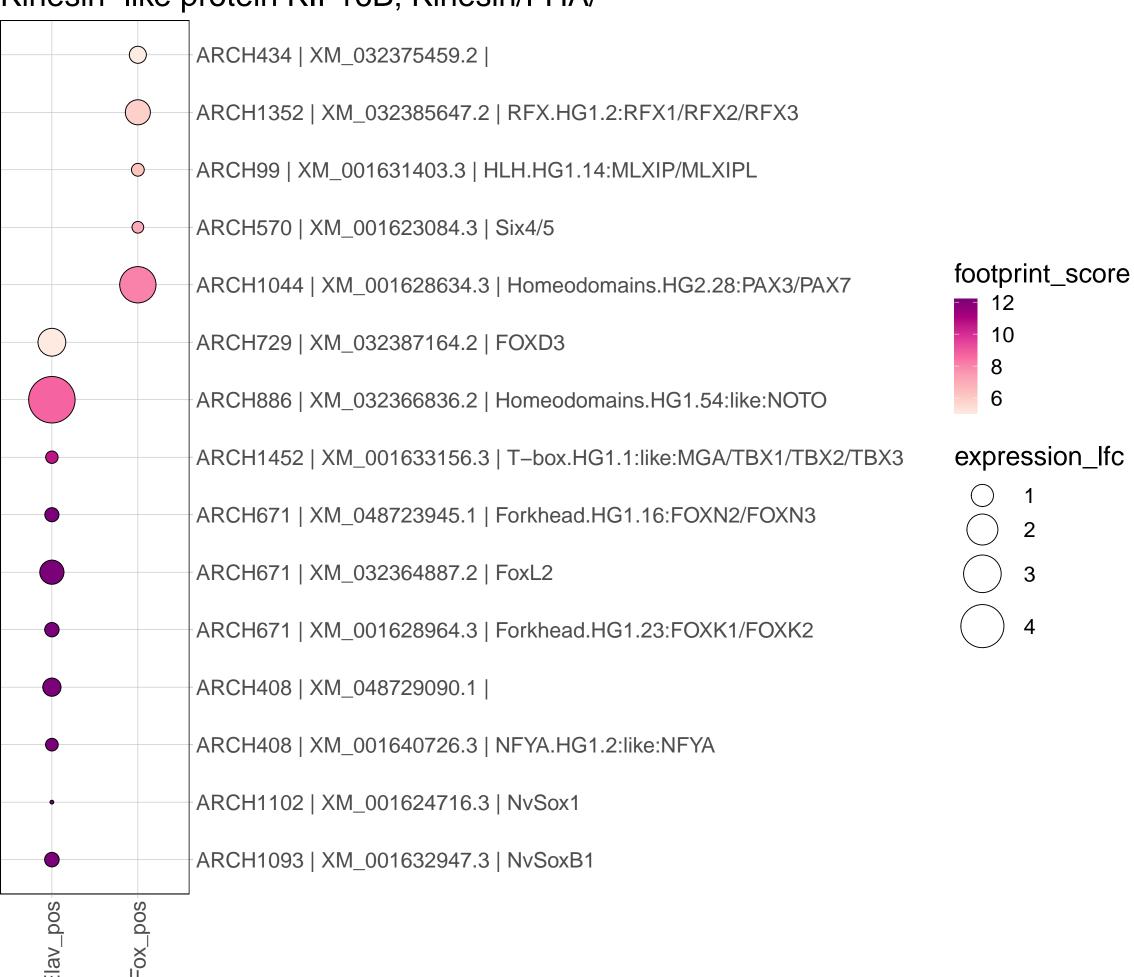
#### Nvec\_NVE13556



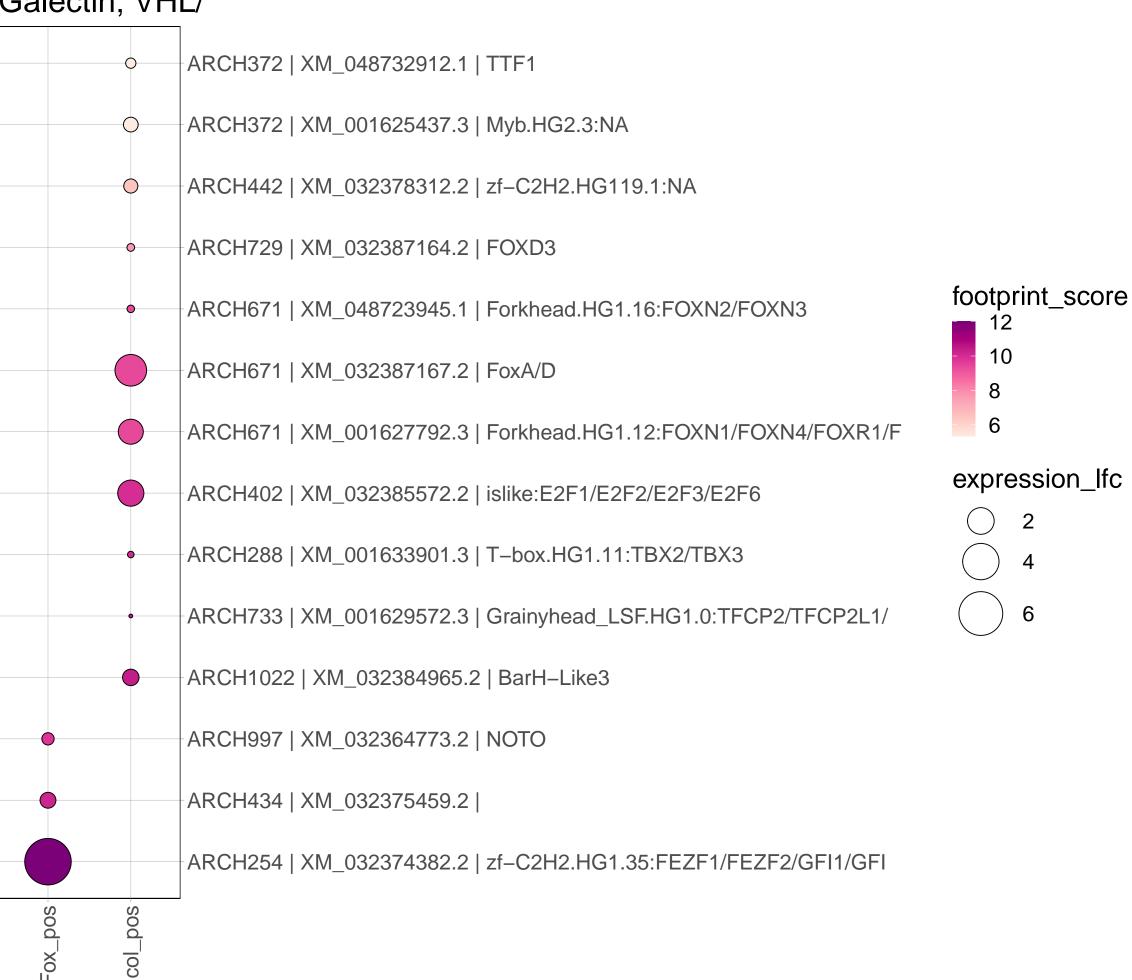
#### Nvec\_vc1.1\_XM\_032387399.2



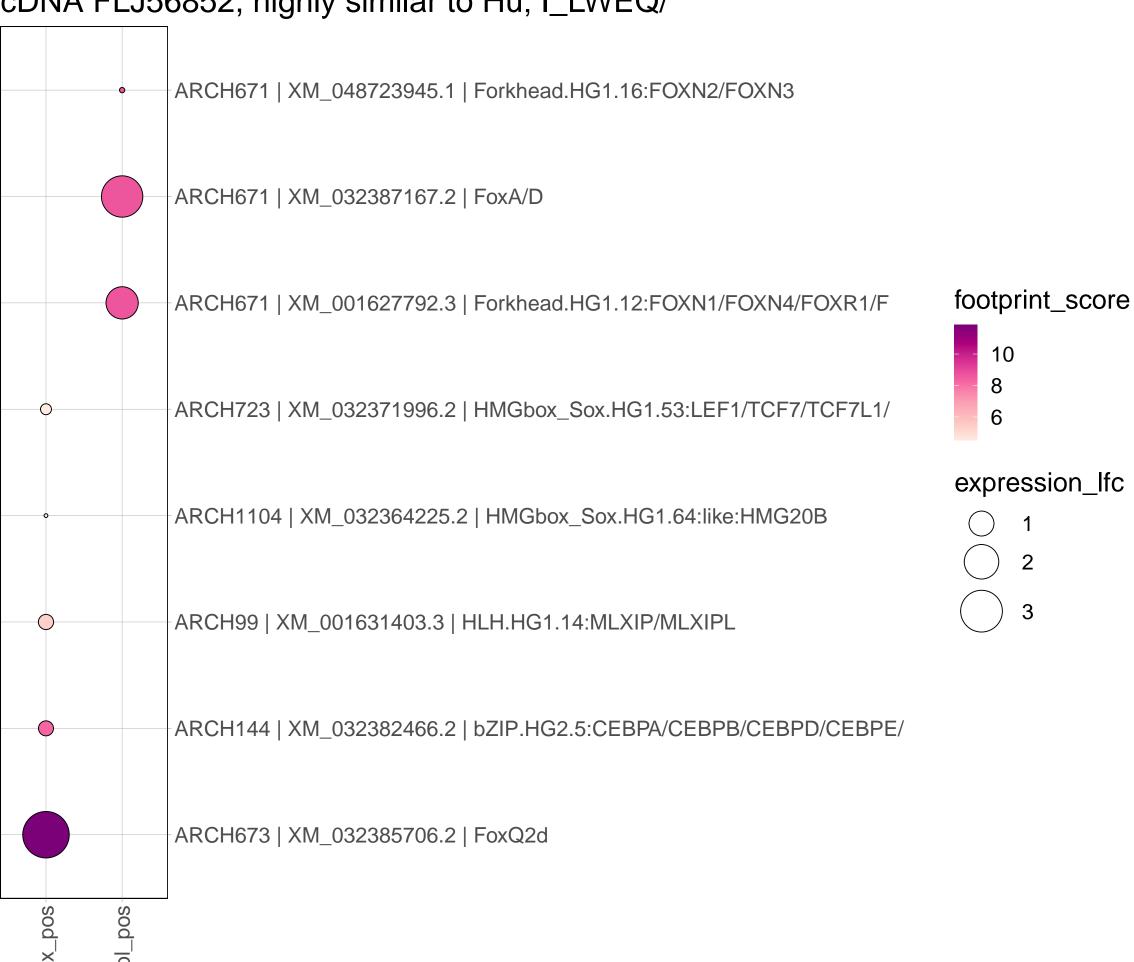
#### Nvec\_vc1.1\_XM\_048729747.1 Kinesin-like protein KIF16B; Kinesin/FHA/



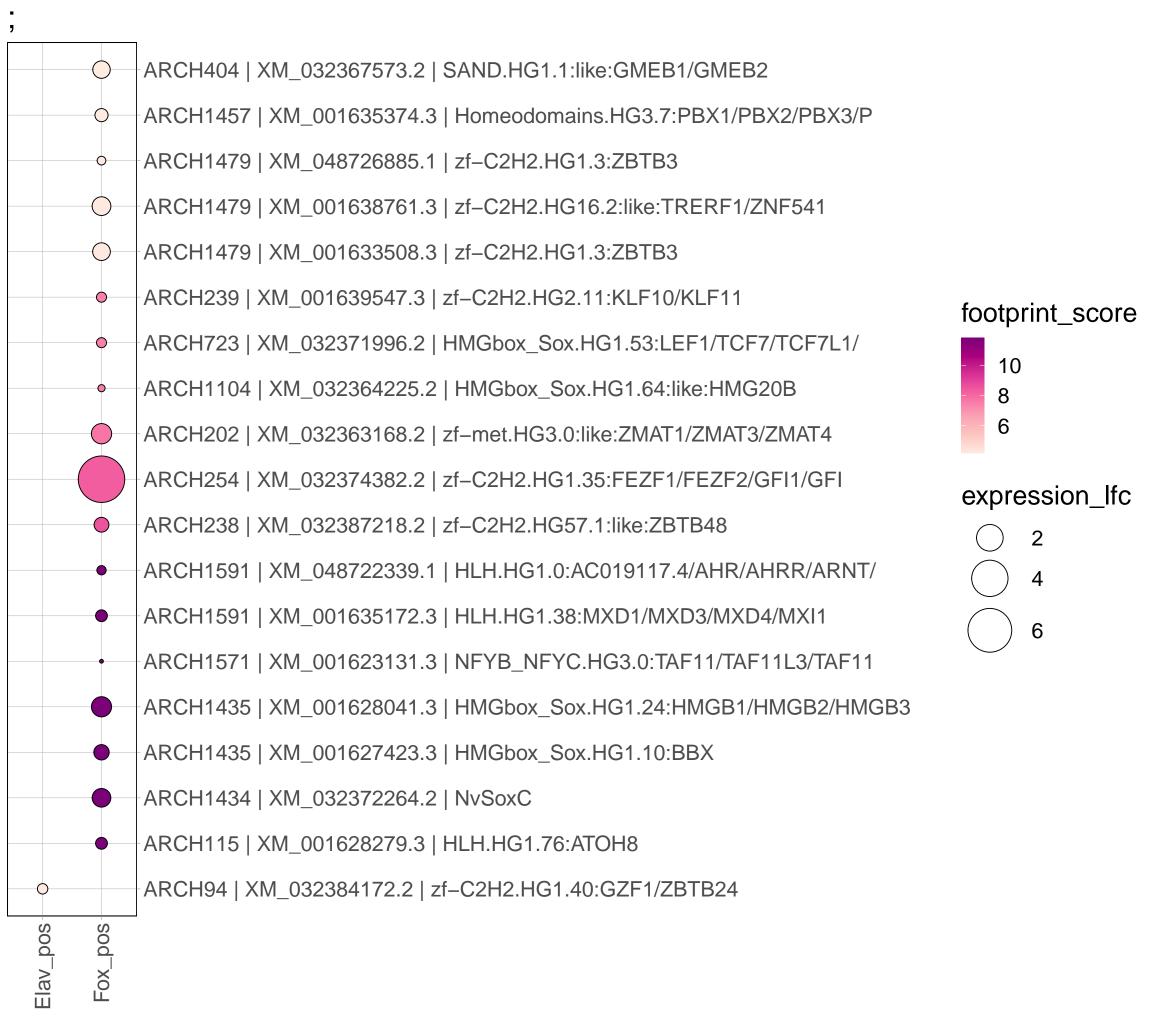
#### Nvec\_vc1.1\_XM\_032382956.2 Galectin; VHL/



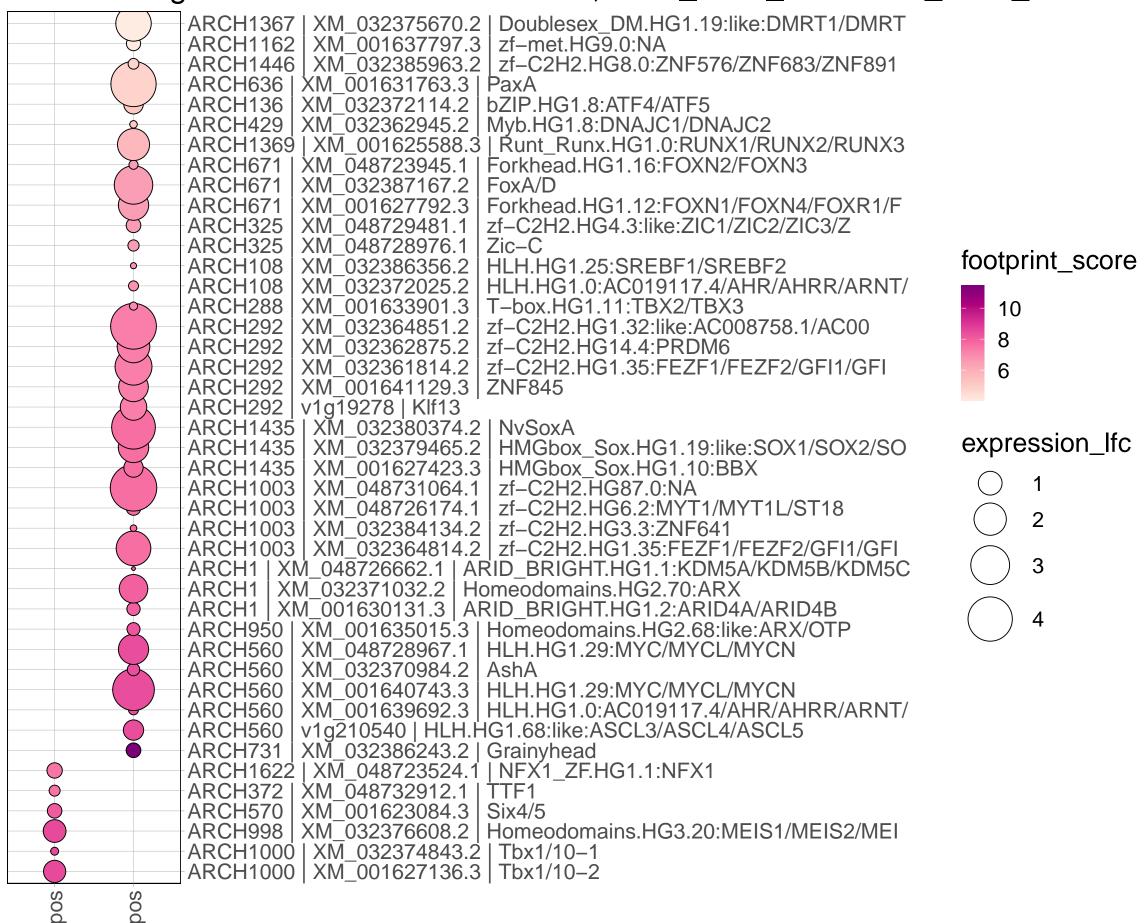
# Nvec\_vc1.1\_XM\_001627245.3 cDNA FLJ56852, highly similar to Hu; I\_LWEQ/



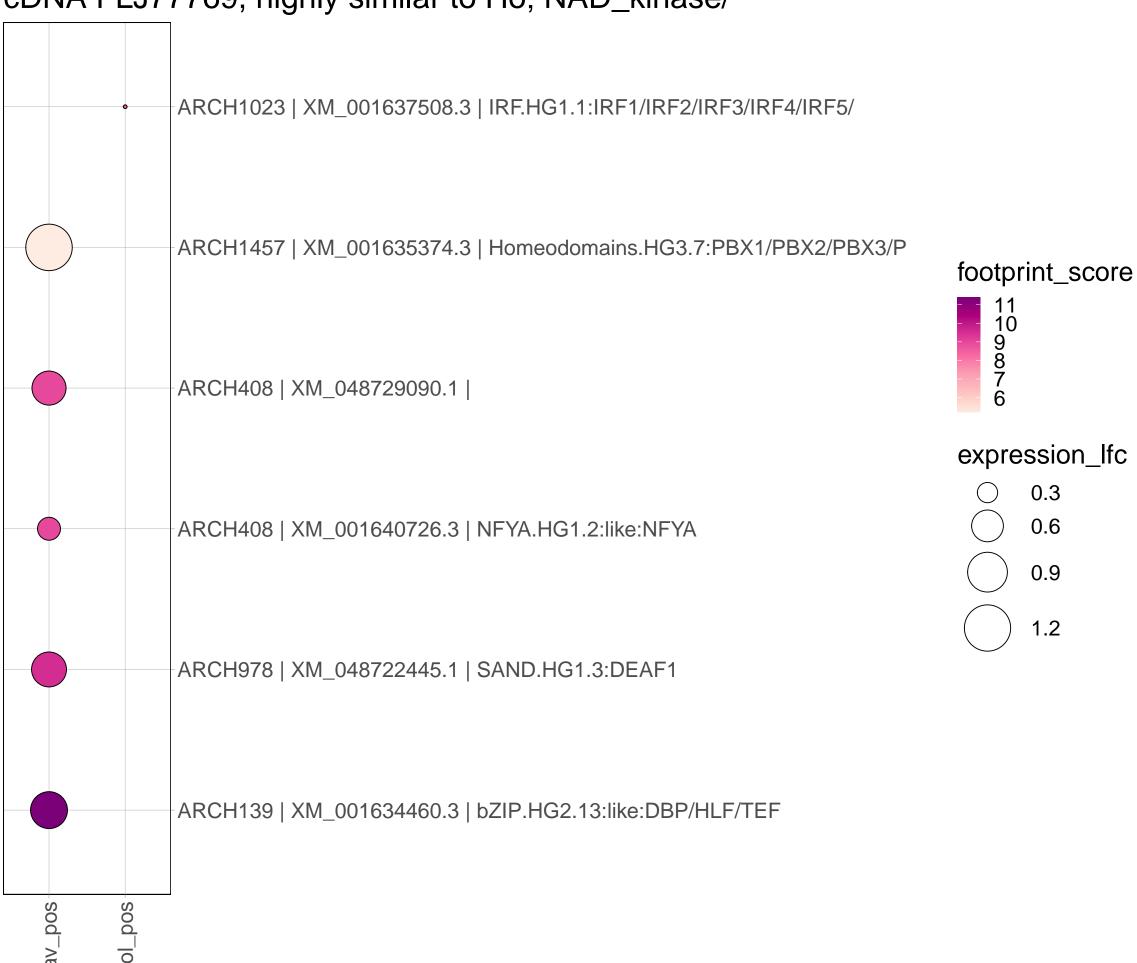
#### Nvec\_vc1.1\_XM\_001640356.3



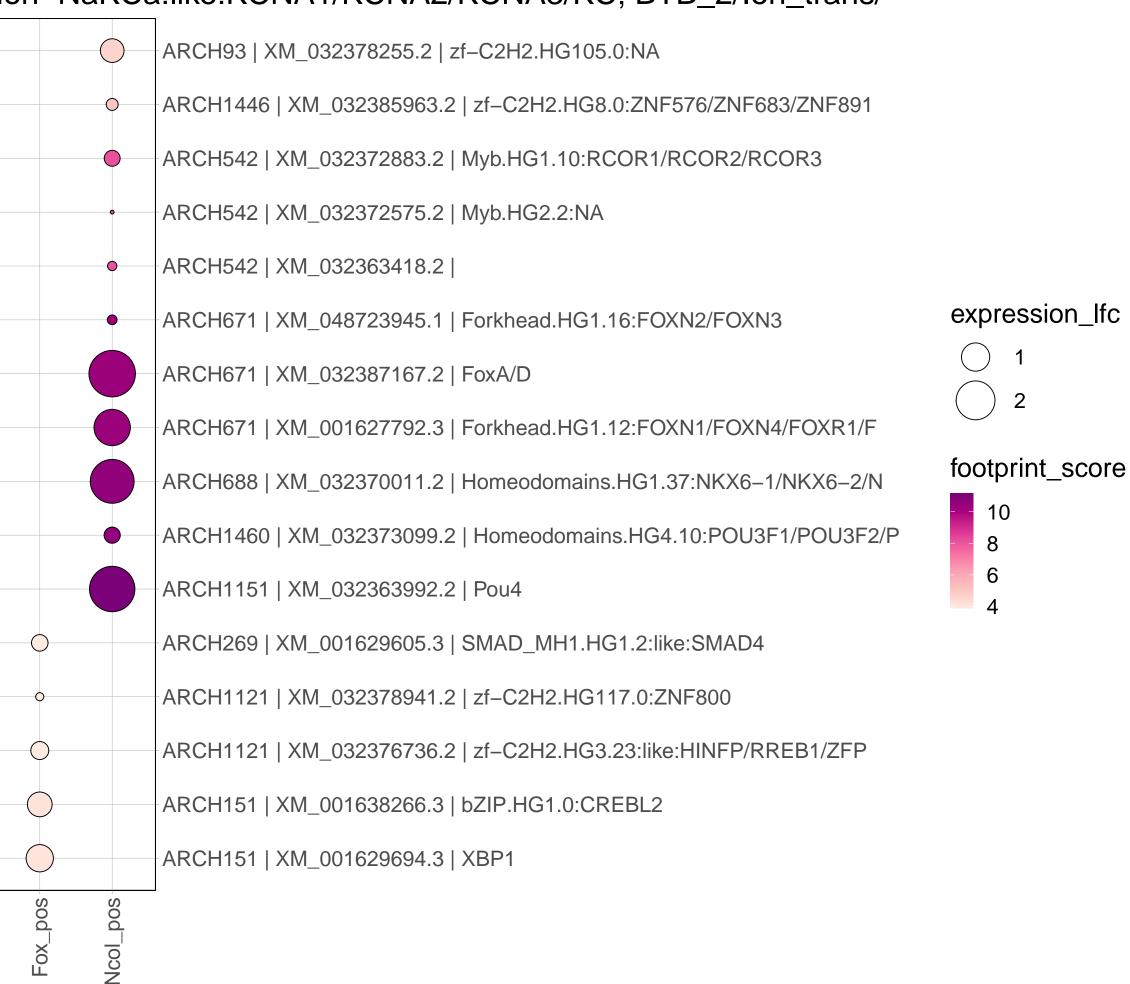
### Nvec\_vc1.1\_XM\_032377937.2 ion-neuro-gated:like:GABRA1/GABRA2/; Neur\_chan\_LBD/Neur\_chan\_memb/



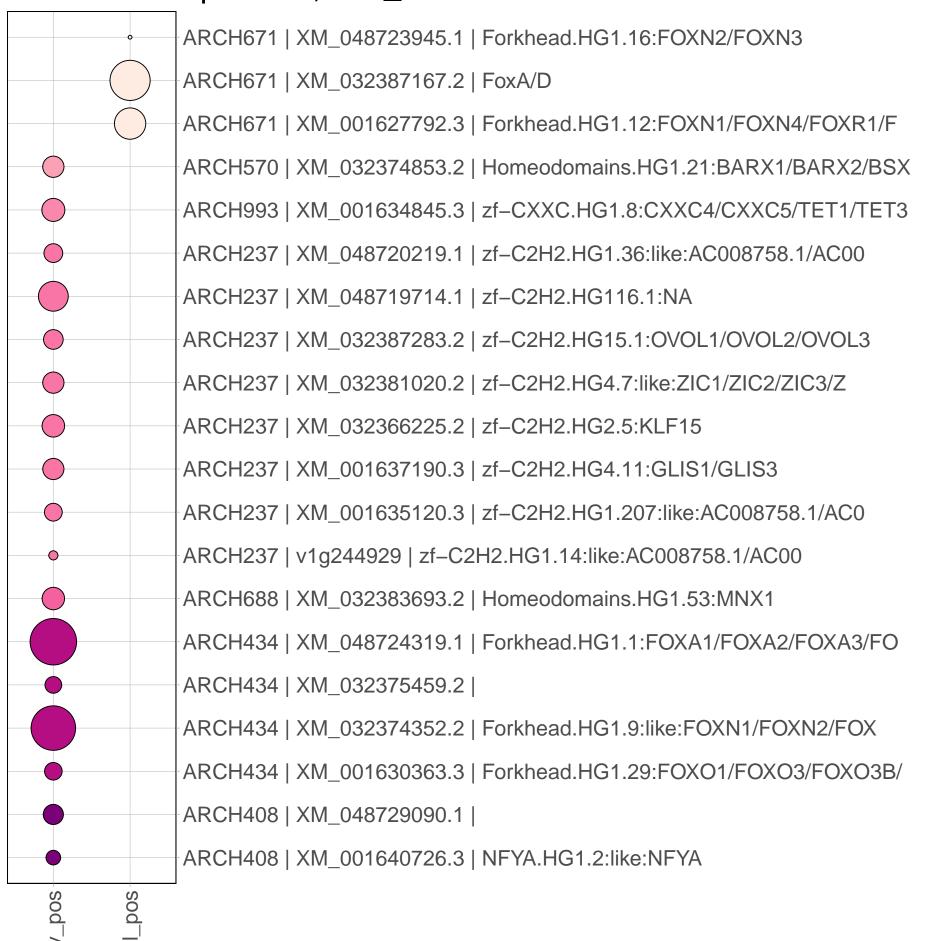
# Nvec\_vc1.1\_XM\_001636964.3 cDNA FLJ77769, highly similar to Ho; NAD\_kinase/



# Nvec\_vc1.1\_XM\_001623818.3 ion-NaKCa:like:KCNA1/KCNA2/KCNA3/KC; BTB\_2/lon\_trans/



## Nvec\_vc1.1\_XM\_001637022.3 GPCR-rhodopsin:NA; 7tm\_1/



footprint\_score

10 8

6

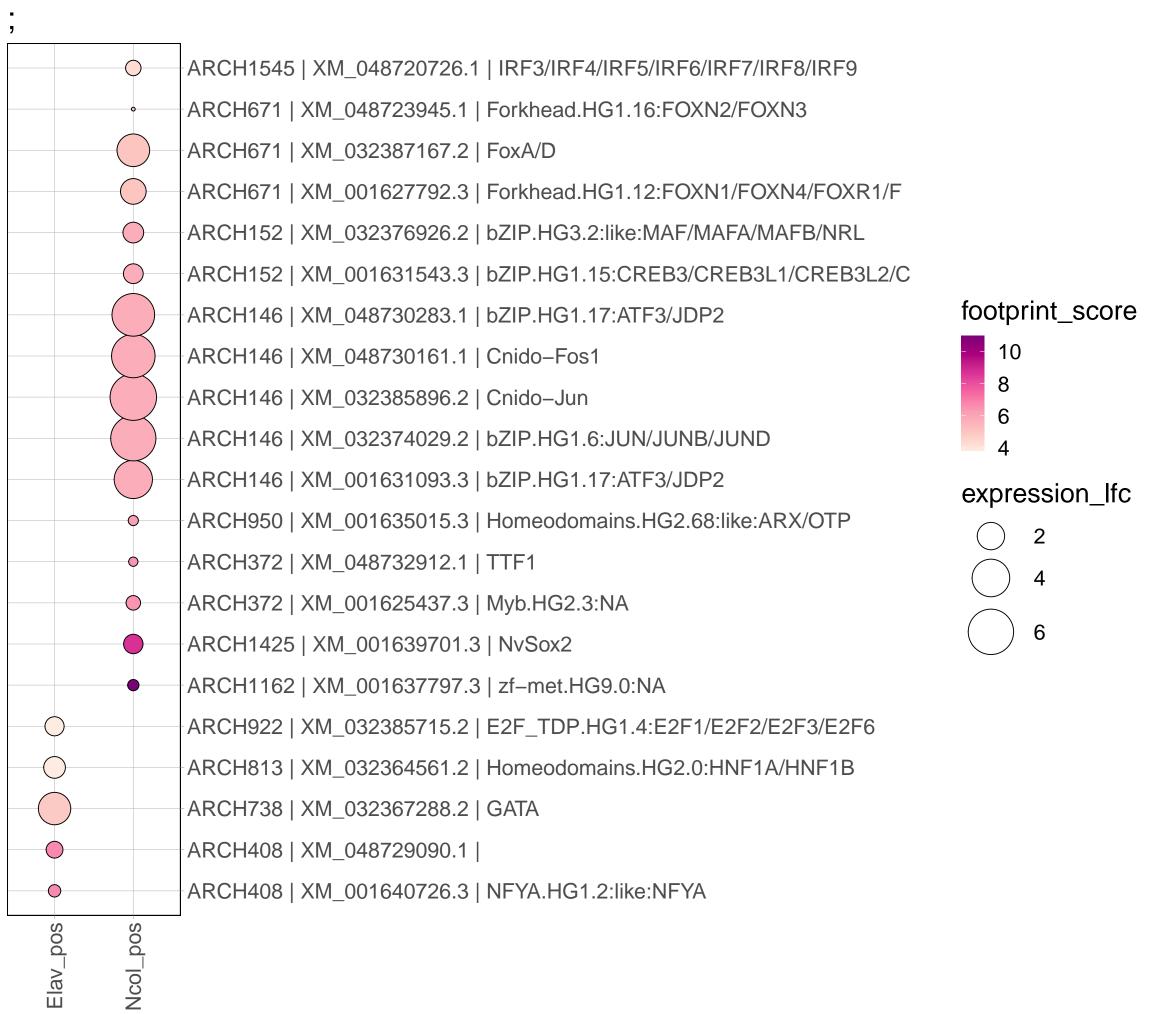
expression\_lfc

2

3

) .

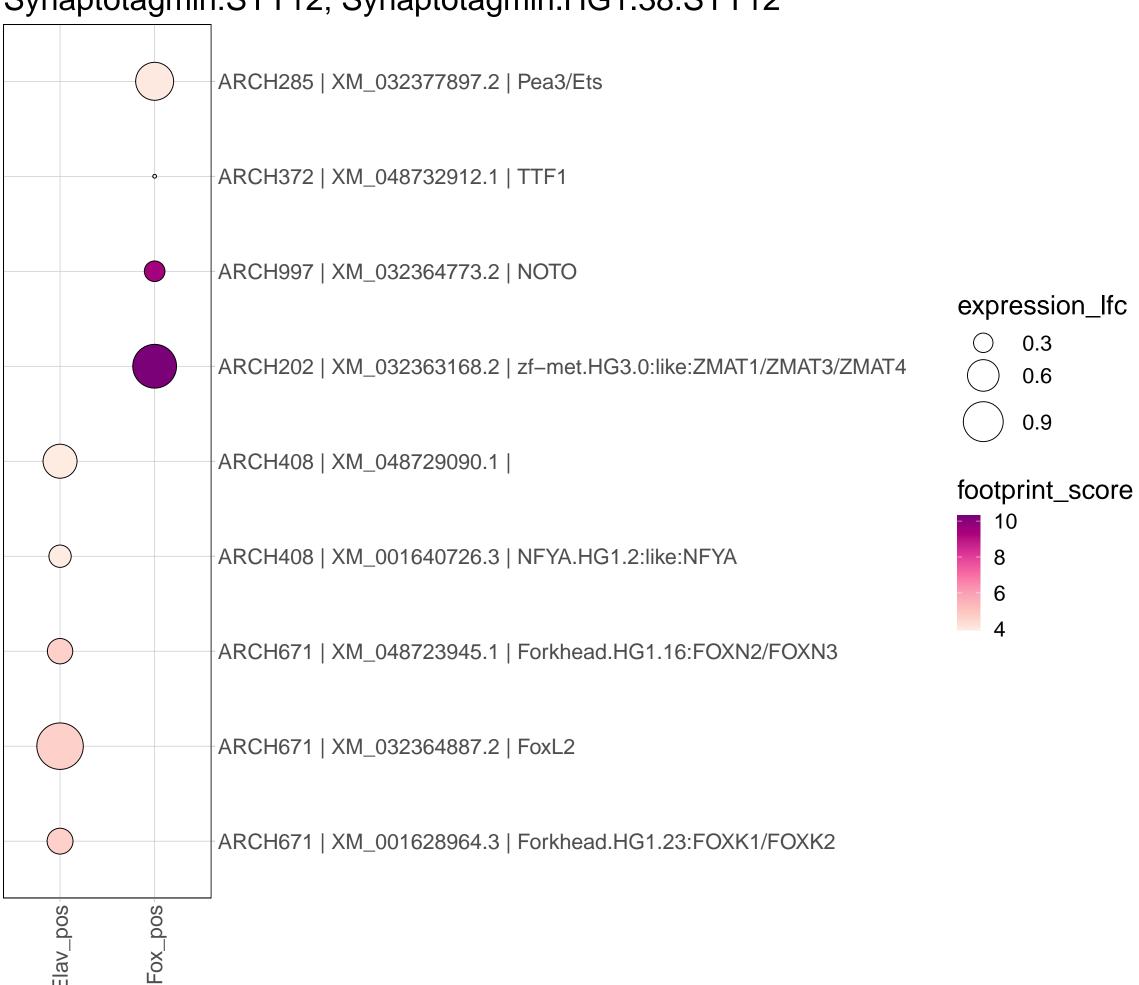
#### Nvec\_vc1.1\_XM\_048731921.1



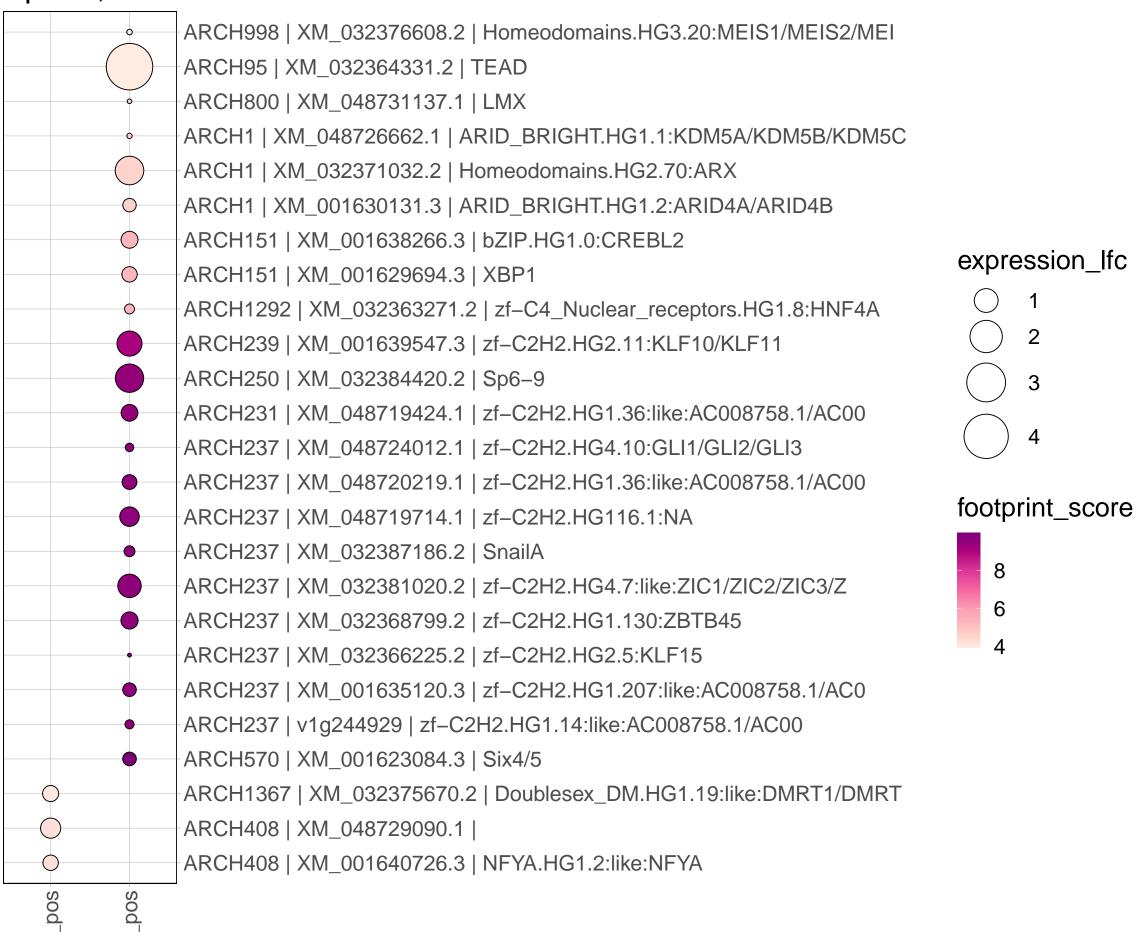
#### Nvec\_vc1.1\_XM\_001631508.3 YTH:YTHDC1; YTH.HG1.0:YTHDC1



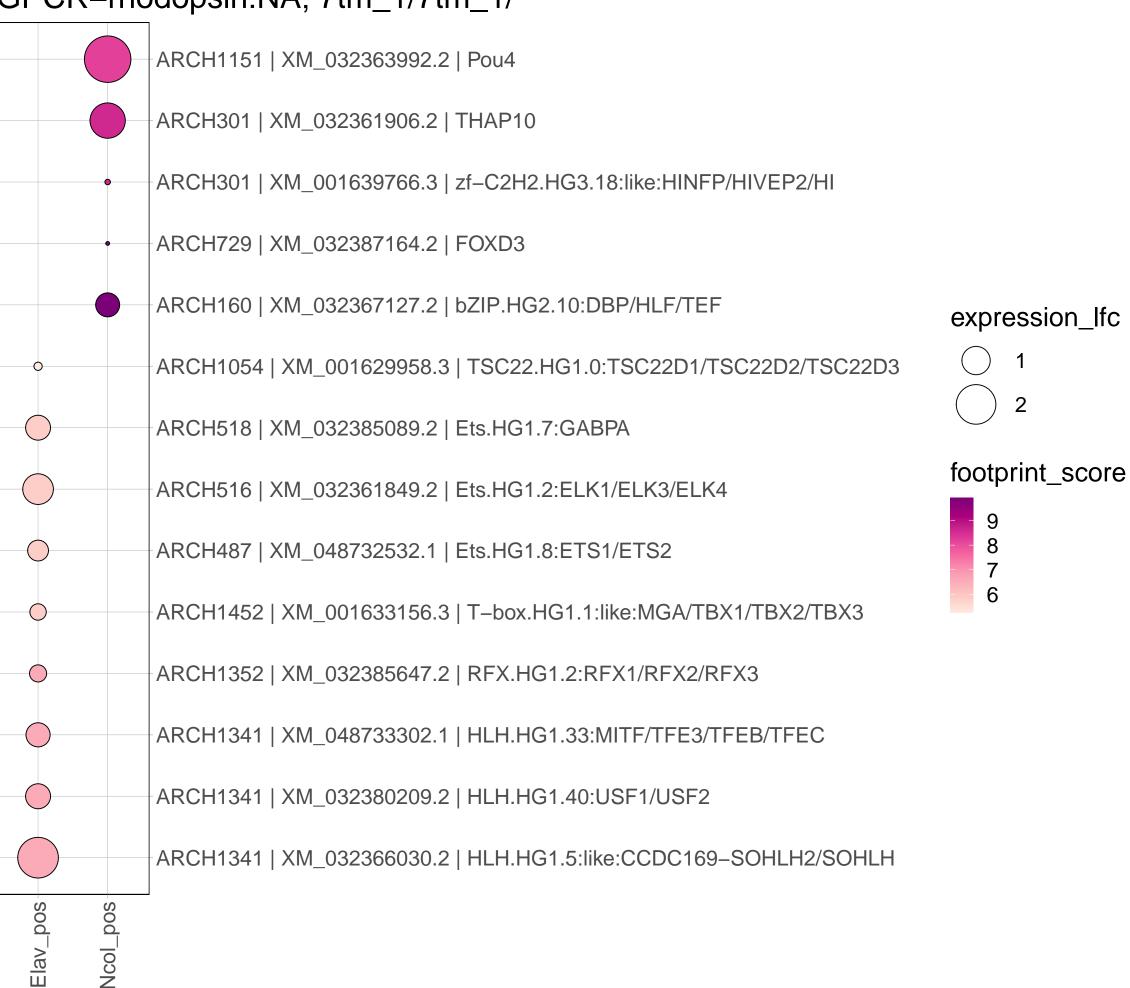
#### Nvec\_vc1.1\_XM\_032370981.2 Synaptotagmin:SYT12; Synaptotagmin.HG1.38:SYT12



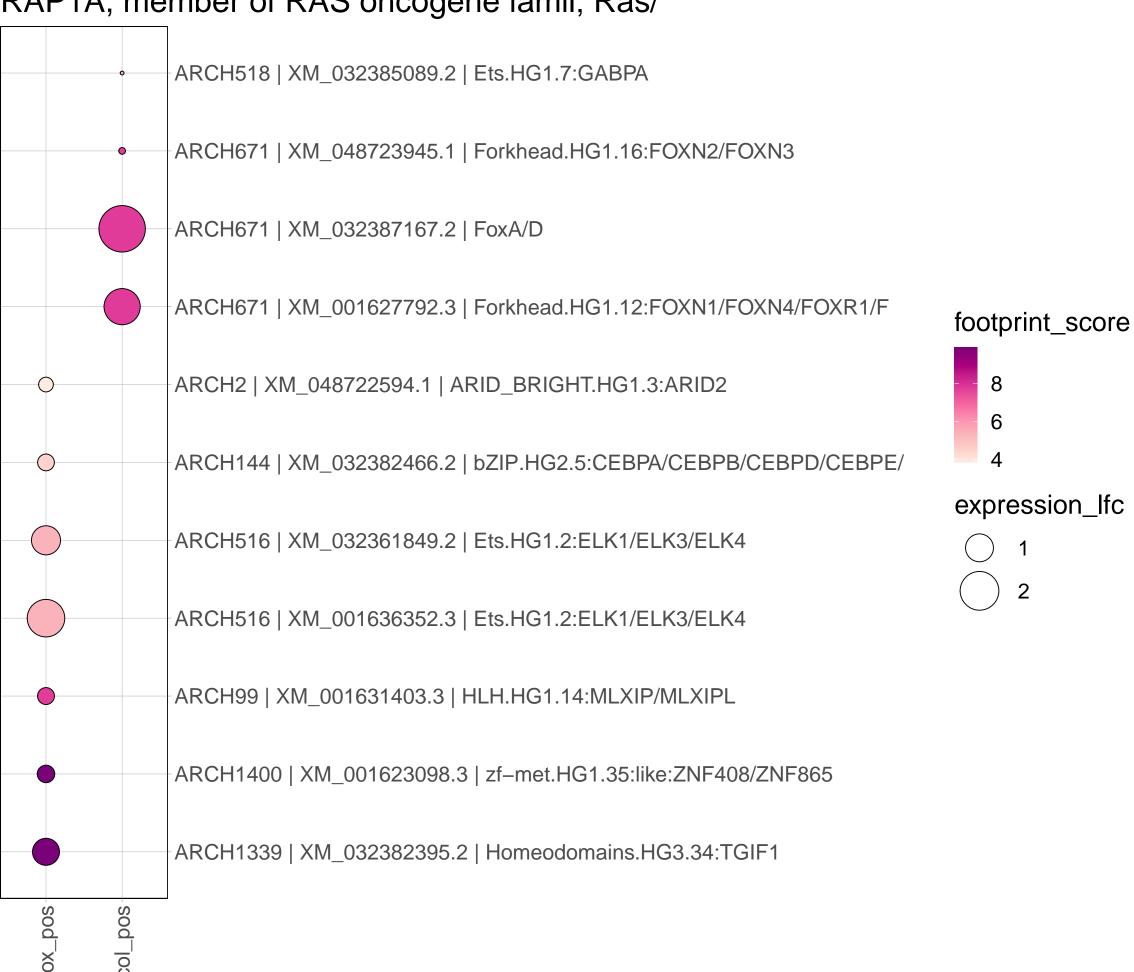
#### Nvec\_vc1.1\_XM\_032384420.2 Sp6-9; SP6/SP7/SP8/SP9



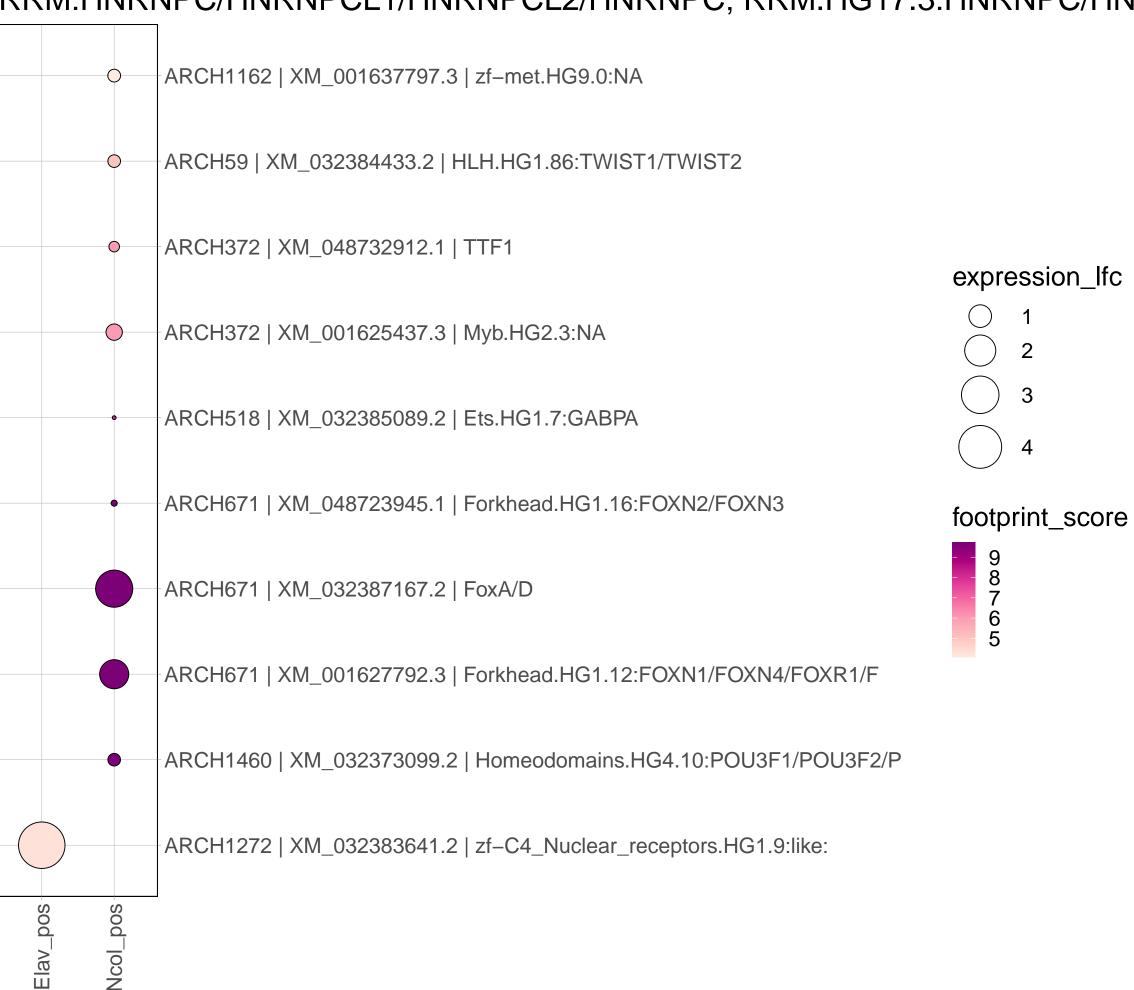
#### Nvec\_vc1.1\_XM\_001641986.3 GPCR-rhodopsin:NA; 7tm\_1/7tm\_1/



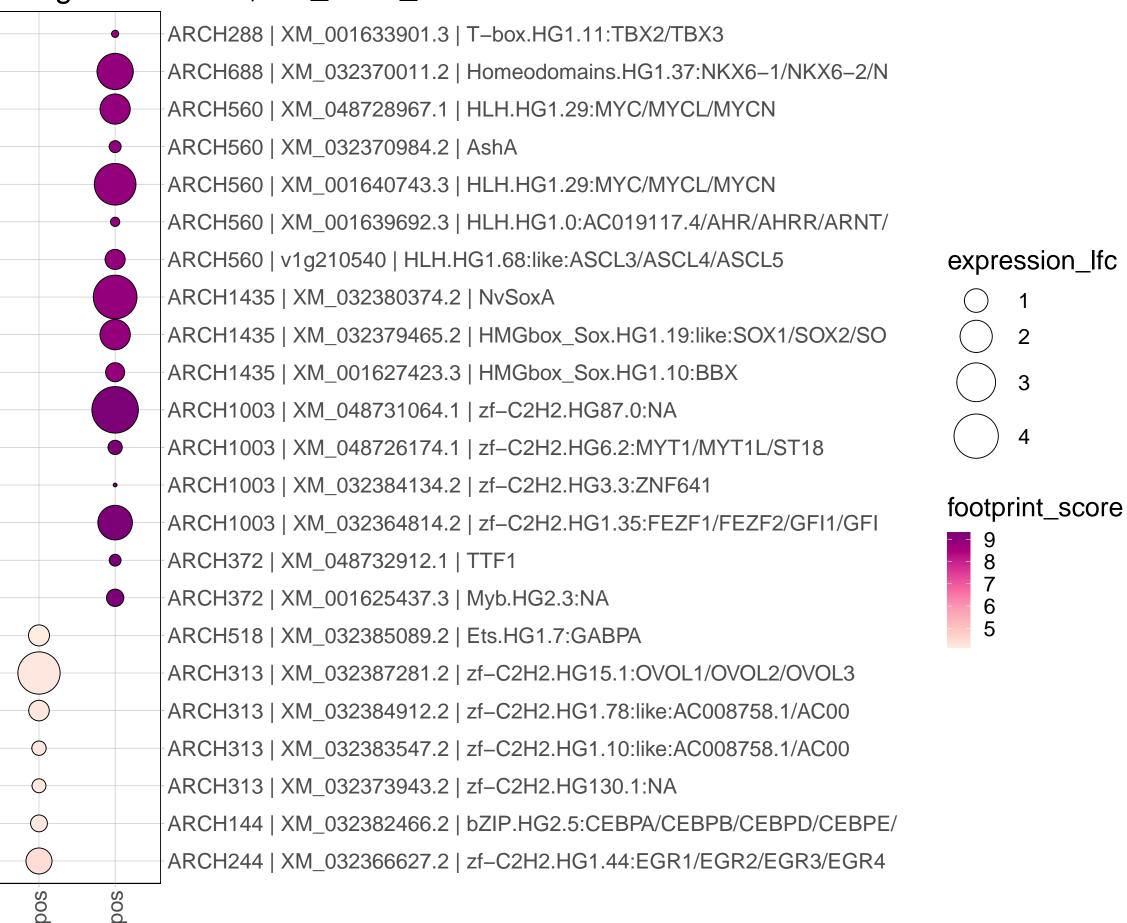
# Nvec\_vc1.1\_XM\_001637149.3 RAP1A, member of RAS oncogene famil; Ras/



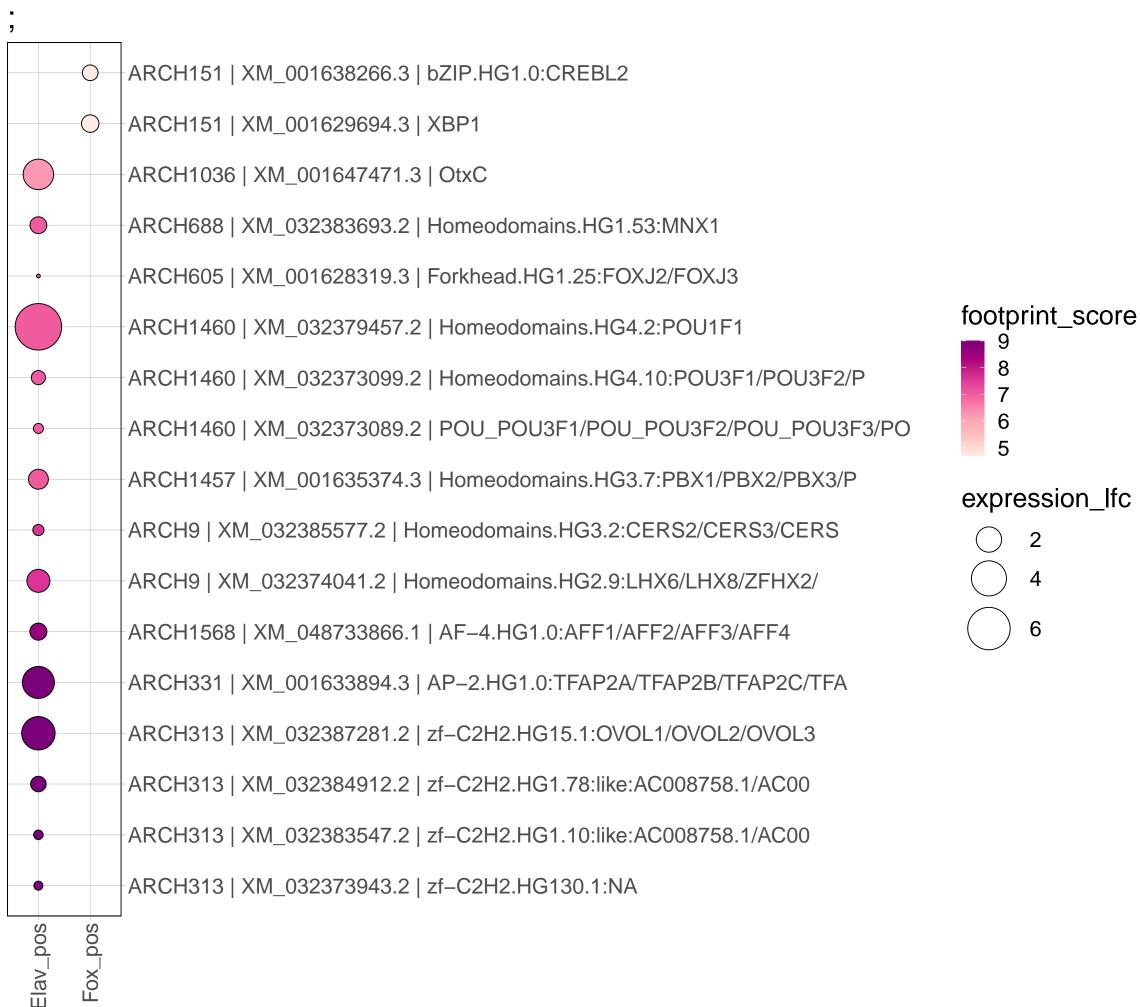
## Nvec\_vc1.1\_XM\_001628711.3 RRM:HNRNPC/HNRNPCL1/HNRNPCL2/HNRNPC; RRM.HG17.3:HNRNPC/HNI



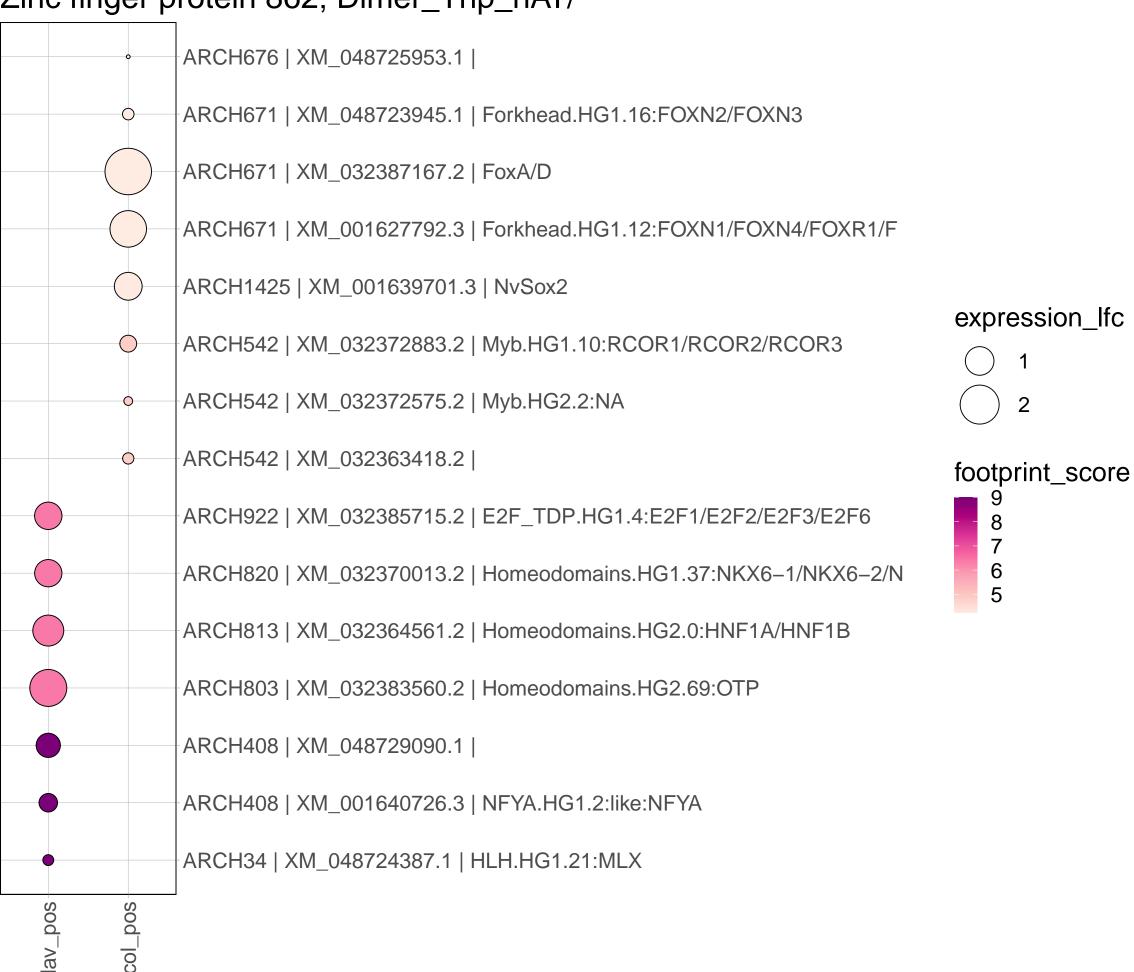
# Nvec\_vc1.1\_XM\_001630845.3 ion-glutamate:NA; Ion\_trans\_2/



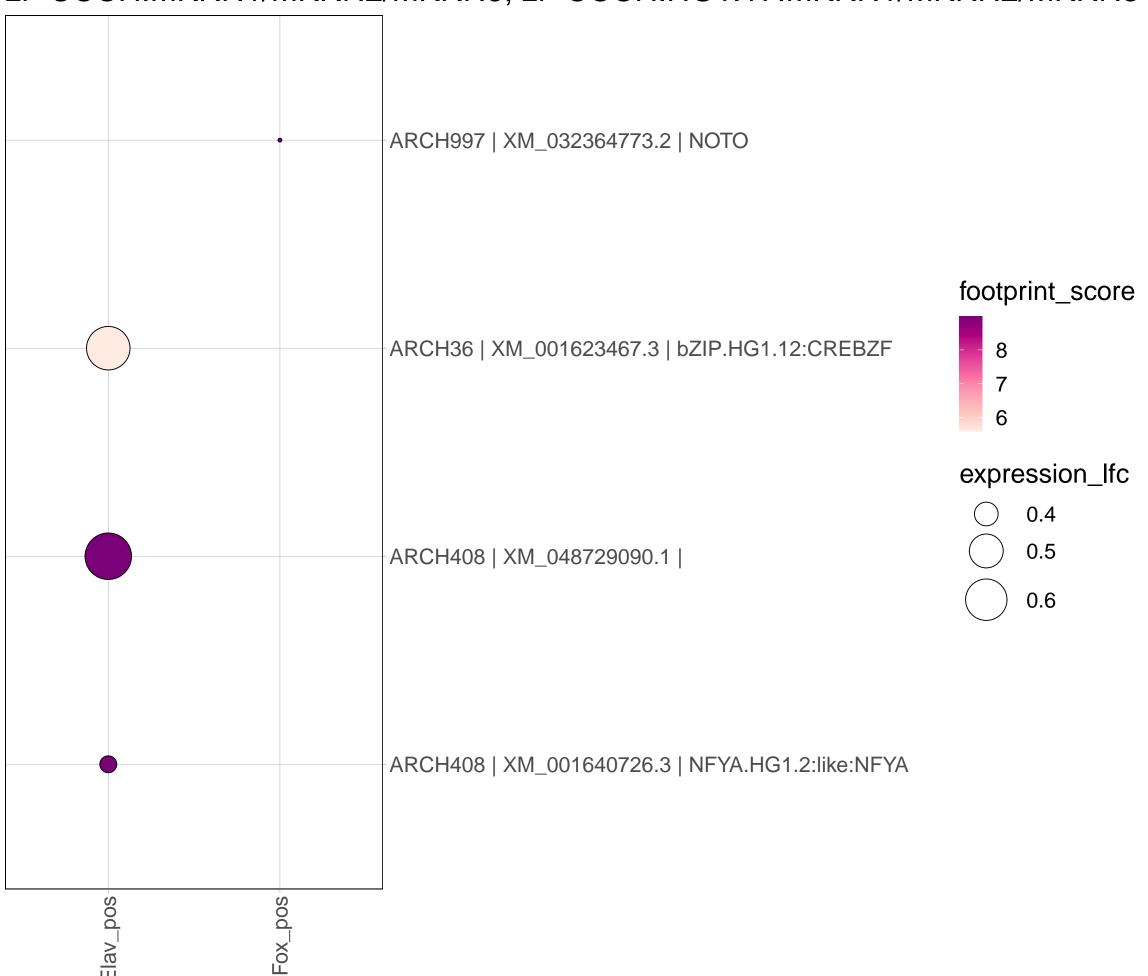
#### Nvec\_vc1.1\_XM\_032379049.2



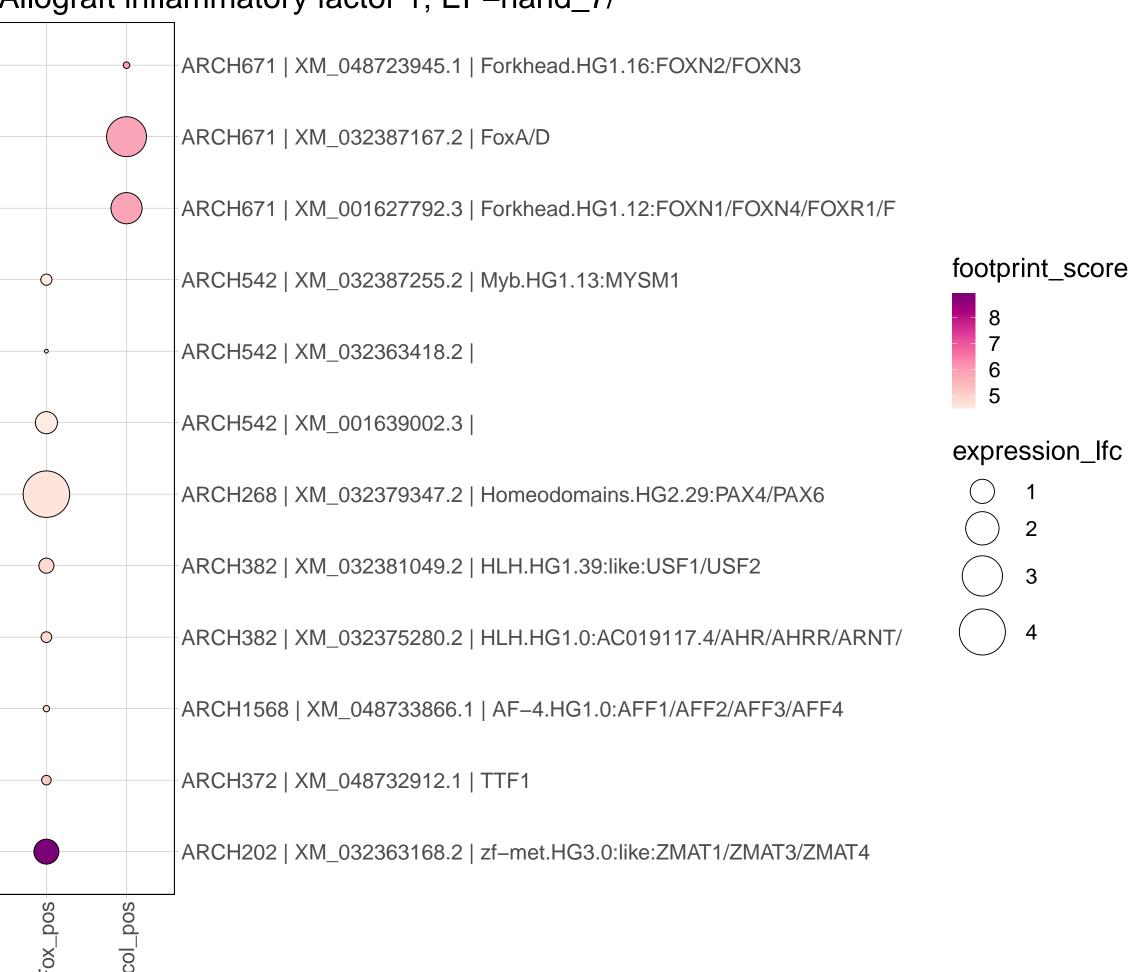
#### Nvec\_vc1.1\_XM\_032376506.2 Zinc finger protein 862; Dimer\_Tnp\_hAT/



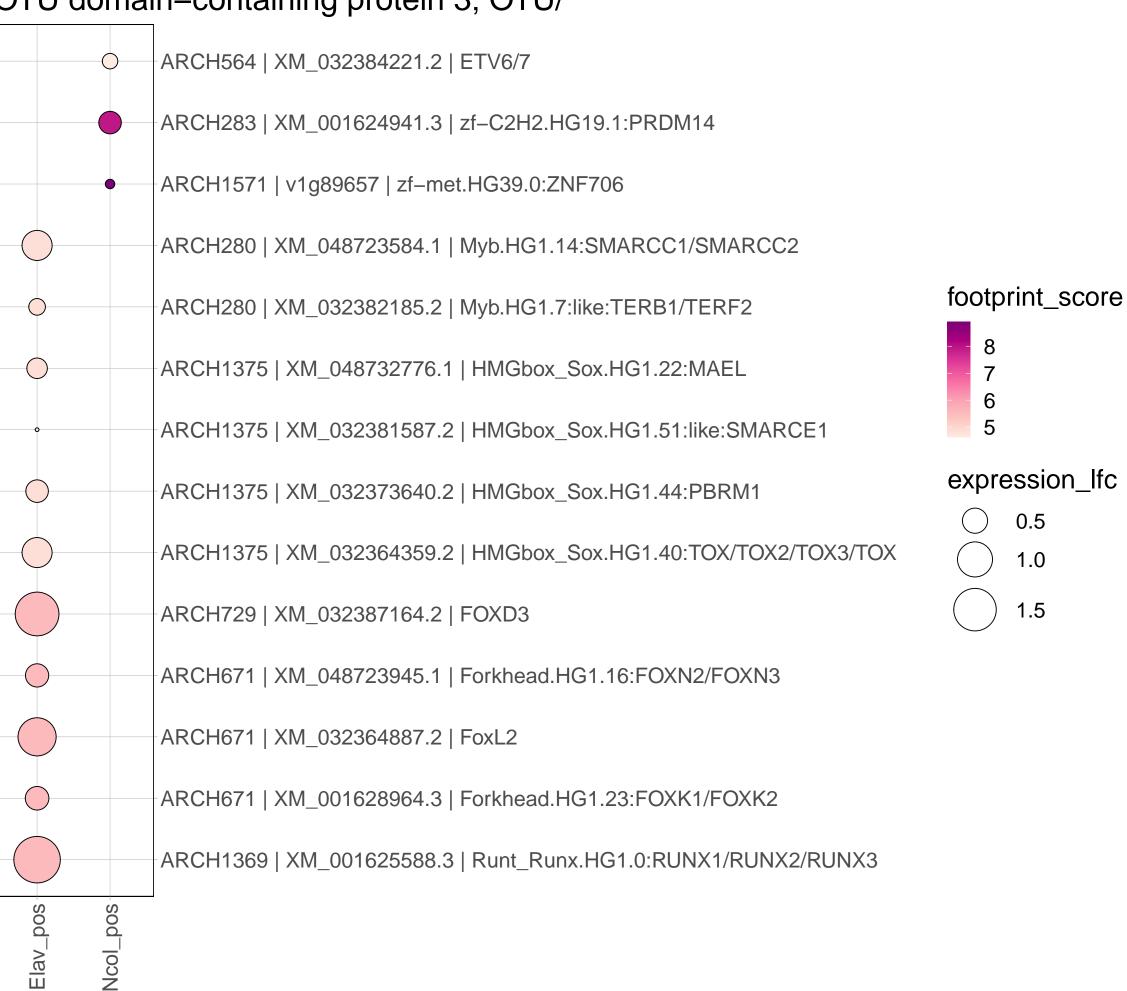
#### Nvec\_vc1.1\_XM\_032370048.2 zf-CCCH:MKRN1/MKRN2/MKRN3; zf-CCCH.HG1.17:MKRN1/MKRN2/MKRN3



#### Nvec\_vc1.1\_XM\_048731597.1 Allograft inflammatory factor 1; EF-hand\_7/



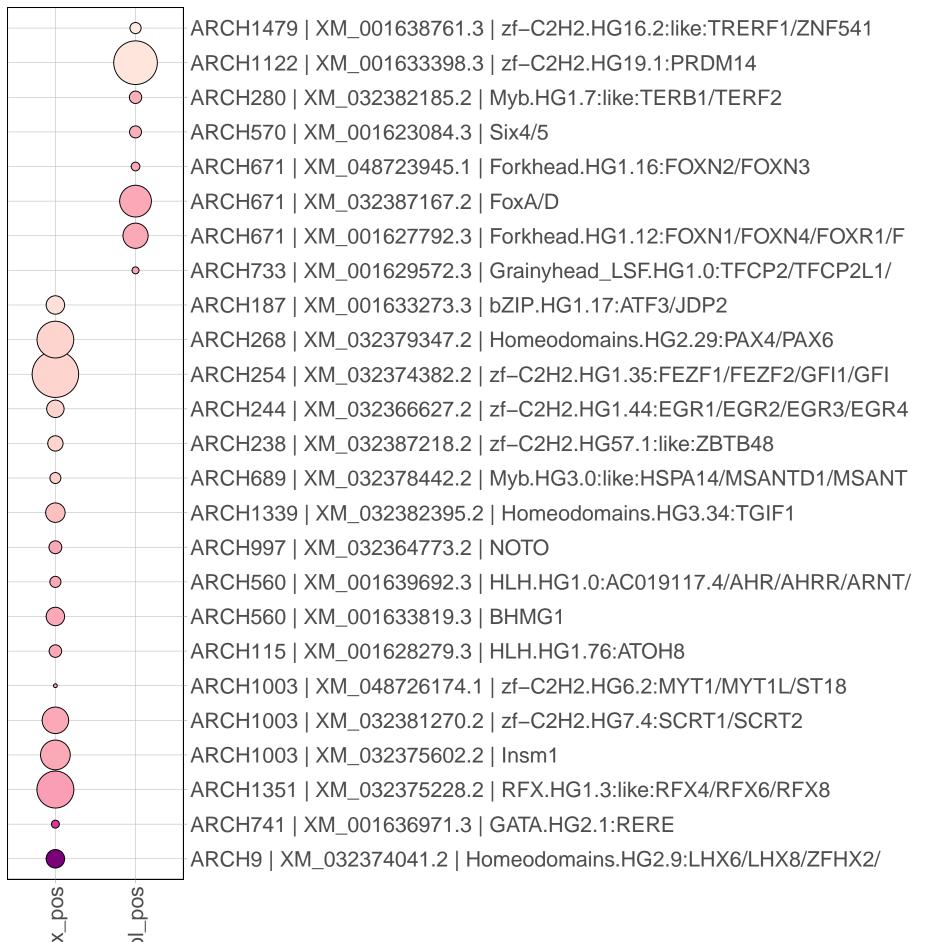
#### Nvec\_vc1.1\_XM\_048731252.1 OTU domain-containing protein 3; OTU/



#### Nvec\_vc1.1\_XM\_001633821.3

ARCH1549 | XM\_001631192.3 | ARCH570 | XM\_001623084.3 | Six4/5 ARCH1341 | XM\_048733302.1 | HLH.HG1.33:MITF/TFE3/TFEB/TFEC ARCH1341 | XM\_032380209.2 | HLH.HG1.40:USF1/USF2 ARCH1341 | XM\_032366030.2 | HLH.HG1.5:like:CCDC169-SOHLH2/SOHLH ARCH560 | XM 032370984.2 | AshA footprint\_score ARCH560 | XM\_001639692.3 | HLH.HG1.0:AC019117.4/AHR/AHRR/ARNT/ ARCH560 | XM\_001633819.3 | BHMG1 7 ARCH560 | XM\_001629480.3 | HLH.HG1.0:AC019117.4/AHR/AHRR/ARNT/ 6 ARCH560 | v1g210540 | HLH.HG1.68:like:ASCL3/ASCL4/ASCL5 ARCH387 | XM\_001625700.3 | NRF1.HG1.2:NRF1 expression\_lfc ARCH292 | v1g19278 | Klf13 1 ARCH115 | XM 001628279.3 | HLH.HG1.76:ATOH8 2 ARCH1003 | XM\_048726174.1 | zf-C2H2.HG6.2:MYT1/MYT1L/ST18 3 ARCH1003 | XM\_032384447.2 | zf-C2H2.HG2.14:SP1/SP2/SP3/SP4/SP5/ ARCH1003 | XM\_032384134.2 | zf-C2H2.HG3.3:ZNF641 ARCH1003 | XM\_032381270.2 | zf-C2H2.HG7.4:SCRT1/SCRT2 ARCH1003 | XM\_032375602.2 | Insm1 ARCH1003 | XM\_001636315.3 | zf-C2H2.HG1.35:FEZF1/FEZF2/GFI1/GFI ARCH408 | XM 048729090.1 | ARCH408 | XM\_001640726.3 | NFYA.HG1.2:like:NFYA

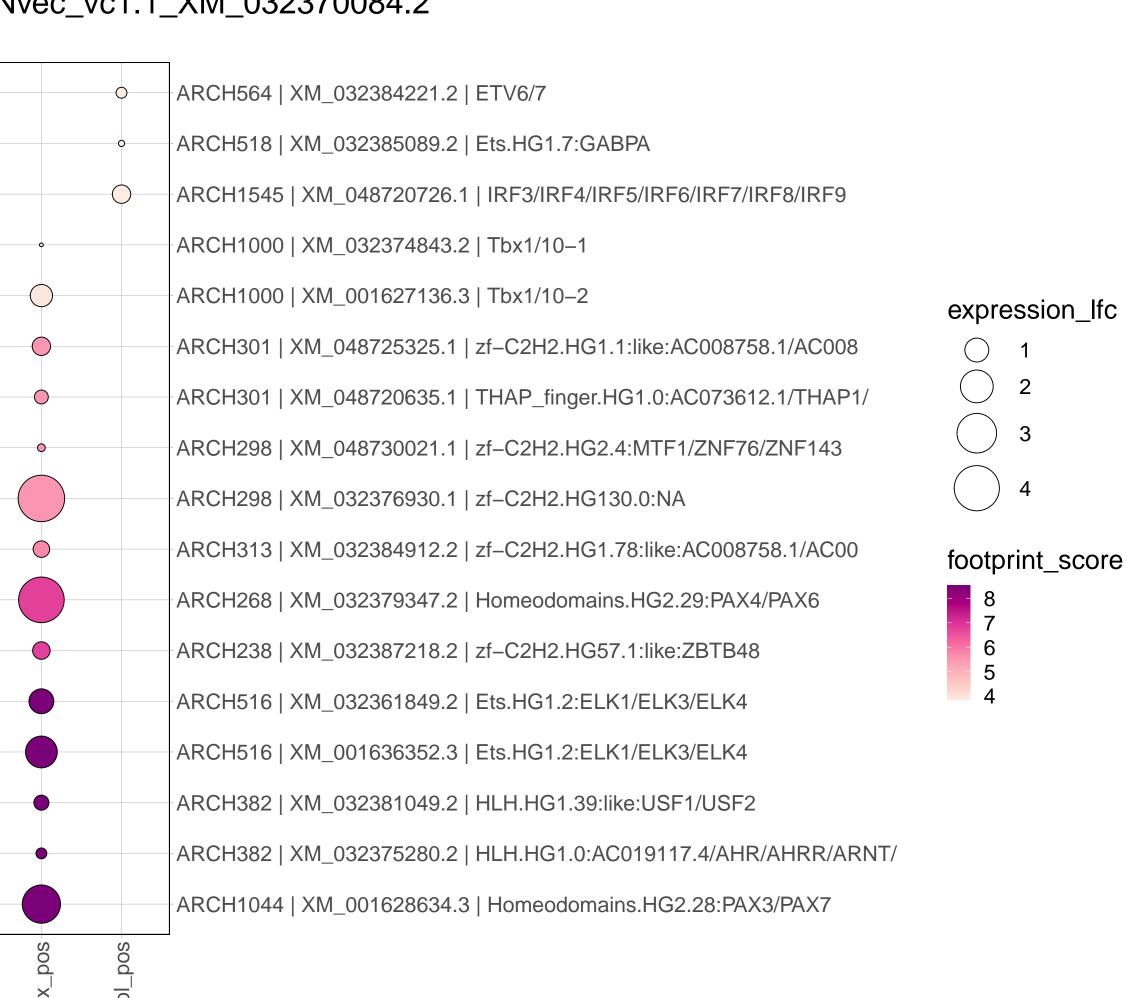
#### Nvec\_vc1.1\_XM\_032379911.2 Sparc/osteonectin, cwcv and kazal–I; Thyroglobulin\_1/



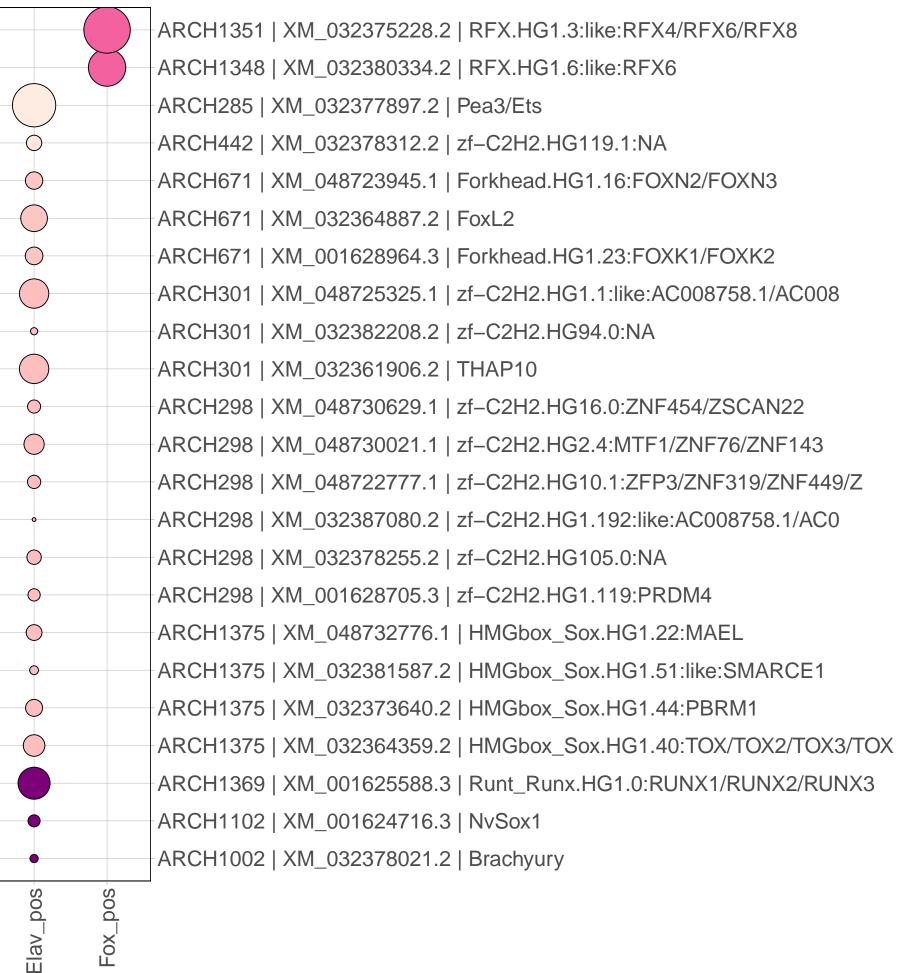
4

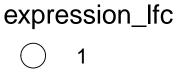
6

#### Nvec\_vc1.1\_XM\_032370084.2



#### Nvec\_vc1.1\_XM\_048723783.1 Cilia- and flagella-associated prot;







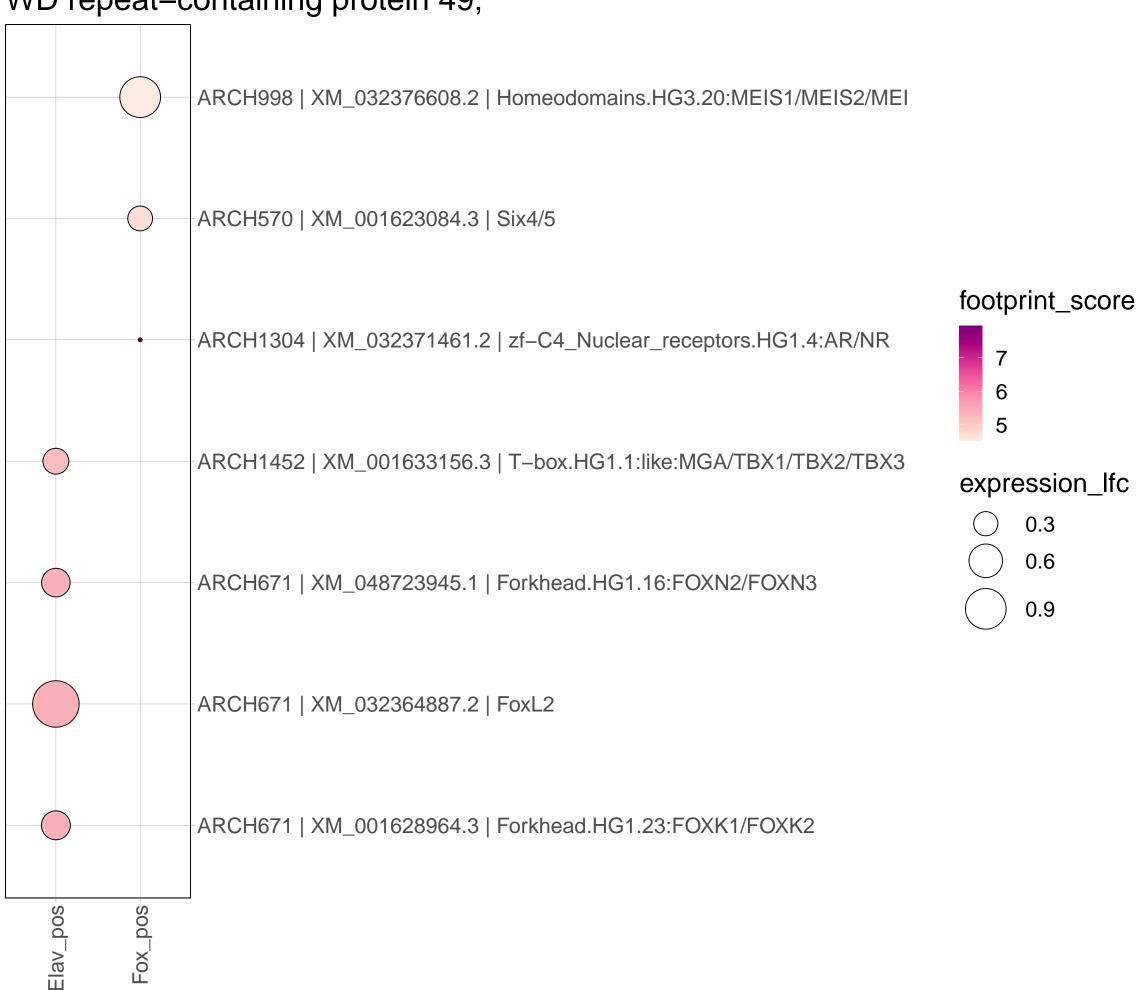




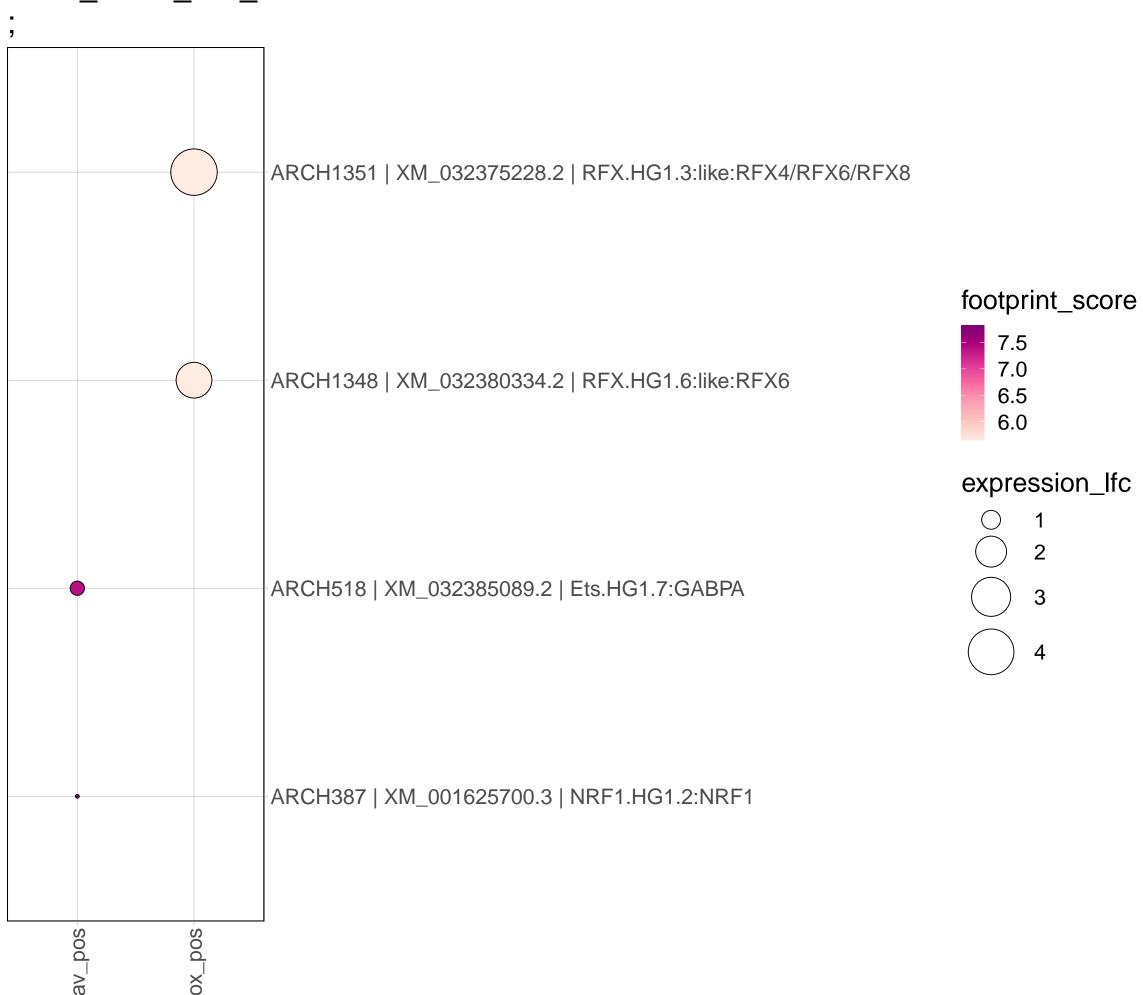


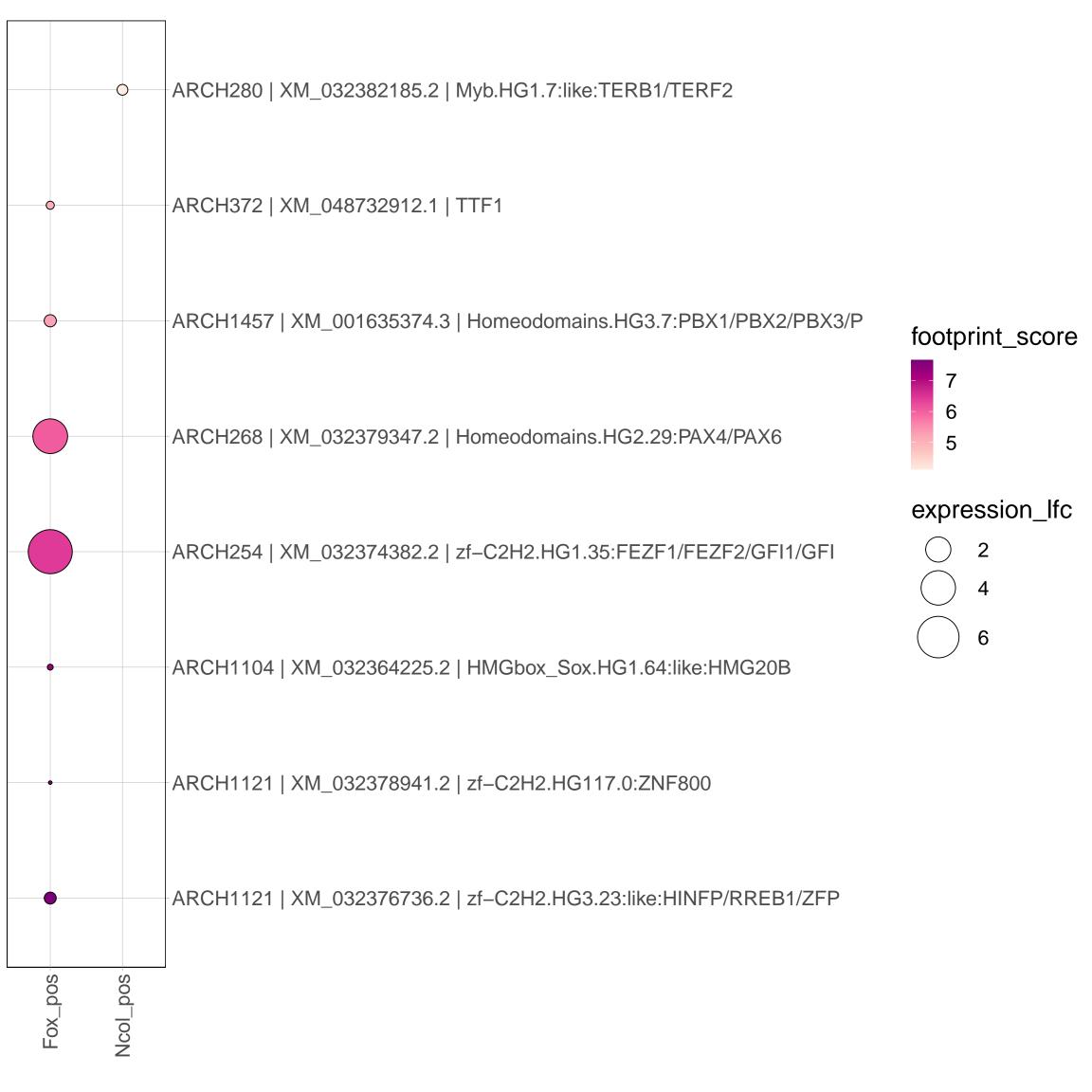


# Nvec\_vc1.1\_XM\_048725946.1 WD repeat-containing protein 49;

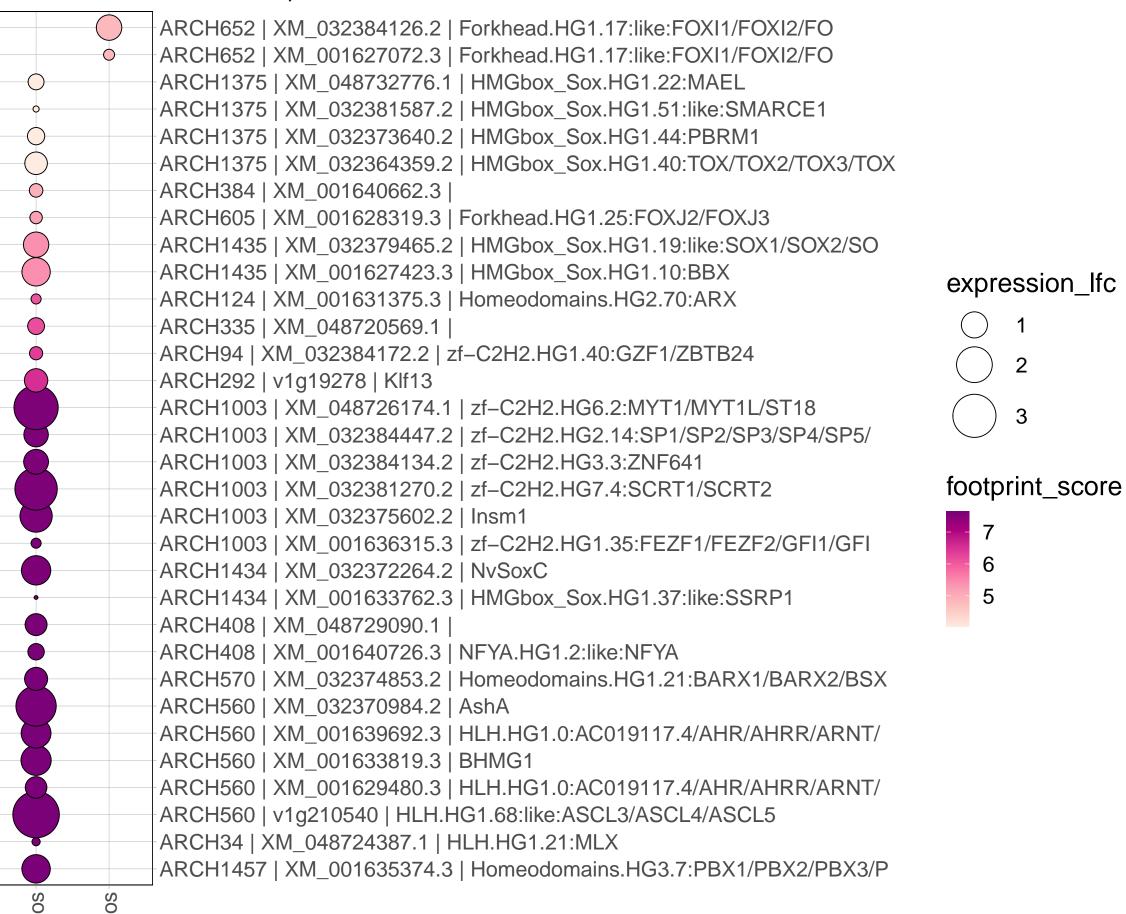


#### Nvec\_vc1.1\_XM\_001636610.3

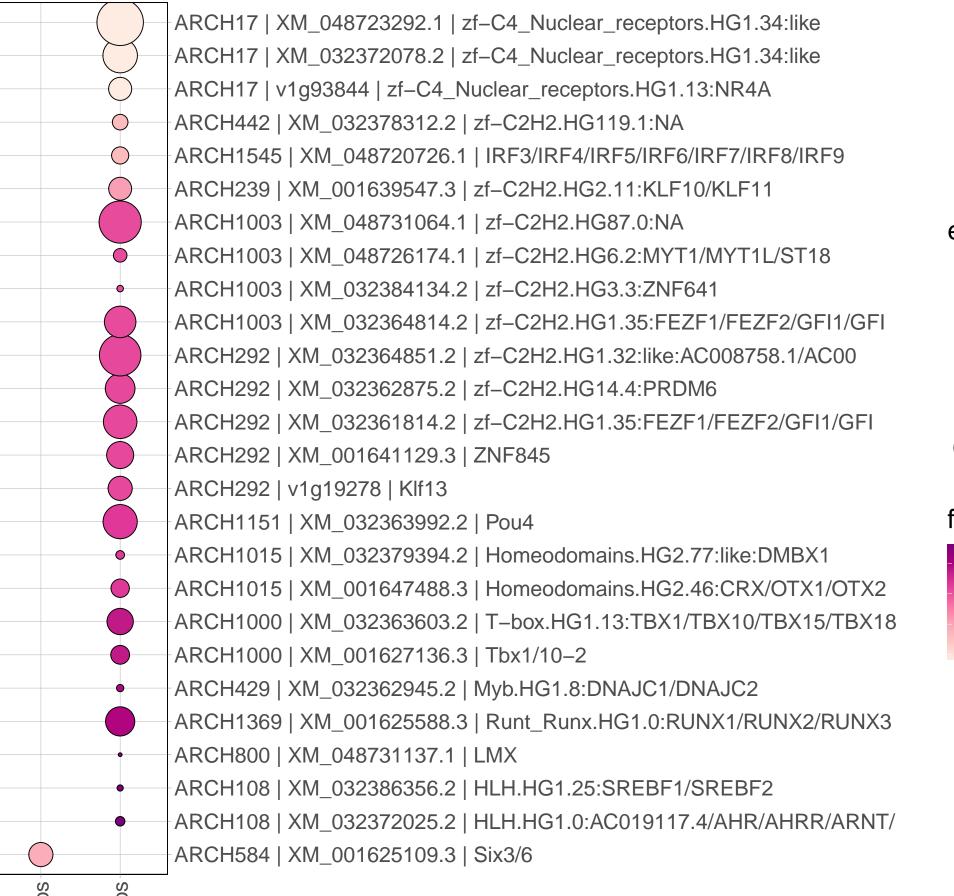




#### Nvec\_vc1.1\_XM\_001628279.3 HLH.HG1.76:ATOH8; ATOH8

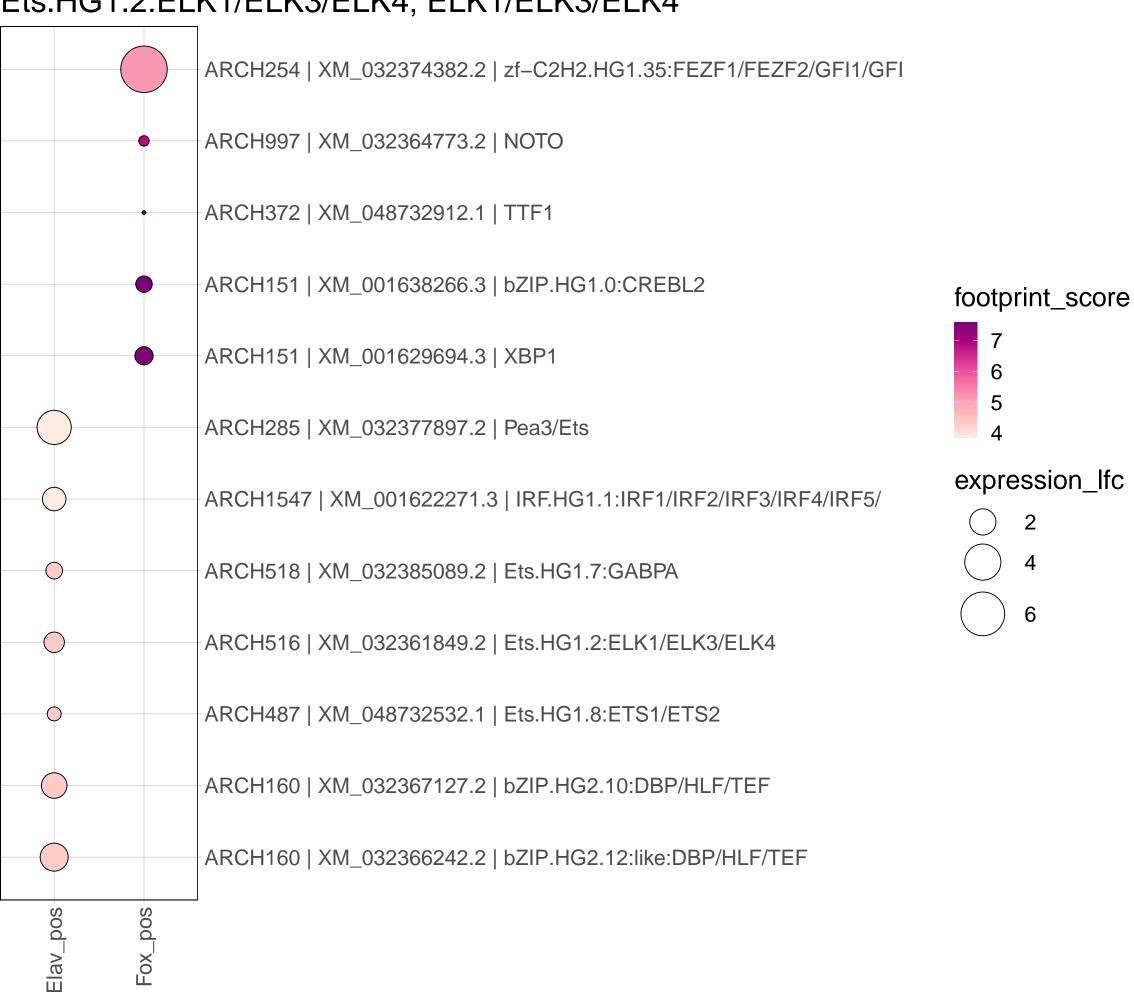


#### Nvec\_vc1.1\_XM\_032377736.2 Protein FAM173B; Methyltransf\_23/

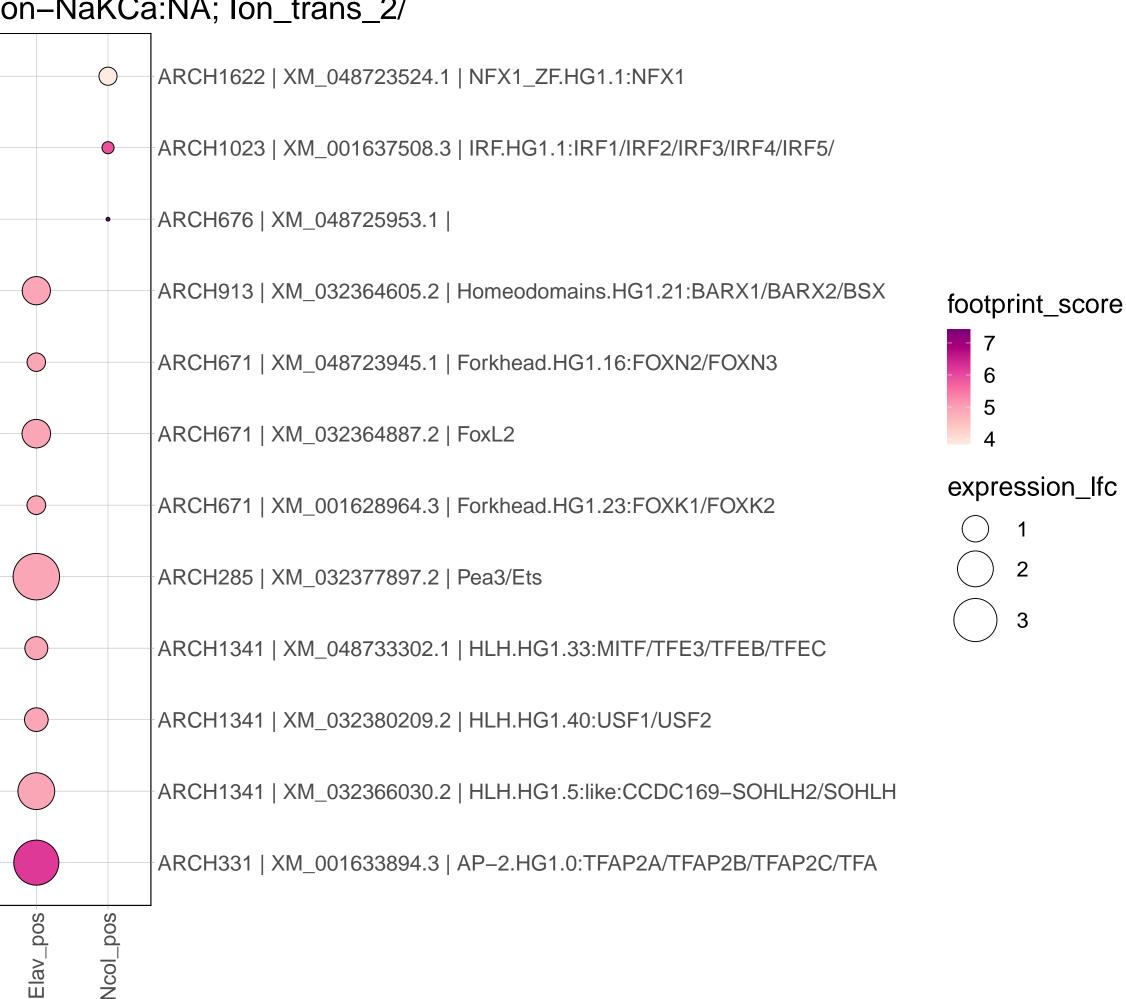


#### footprint\_score

#### Nvec\_vc1.1\_XM\_032361849.2 Ets.HG1.2:ELK1/ELK3/ELK4; ELK1/ELK3/ELK4



# Nvec\_vc1.1\_XM\_048731003.1 ion-NaKCa:NA; Ion\_trans\_2/



## Nvec\_vc1.1\_XM\_001639611.1





ARCH671 | XM\_032387167.2 | FoxA/D

ARCH671 | XM\_001627792.3 | Forkhead.HG1.12:FOXN1/FOXN4/FOXR1/F

ARCH564 | XM\_032384221.2 | ETV6/7

ARCH429 | XM\_032362945.2 | Myb.HG1.8:DNAJC1/DNAJC2

ARCH1016 | XM\_032375635.2 | OtxB

ARCH1120 | XM\_048725953.1 |

ARCH1120 | XM\_032381562.2 | zf-C2H2.HG2.18:like:KLF5/KLF6/KLF7

ARCH1457 | XM\_001635374.3 | Homeodomains.HG3.7:PBX1/PBX2/PBX3/P

#### expression\_lfc



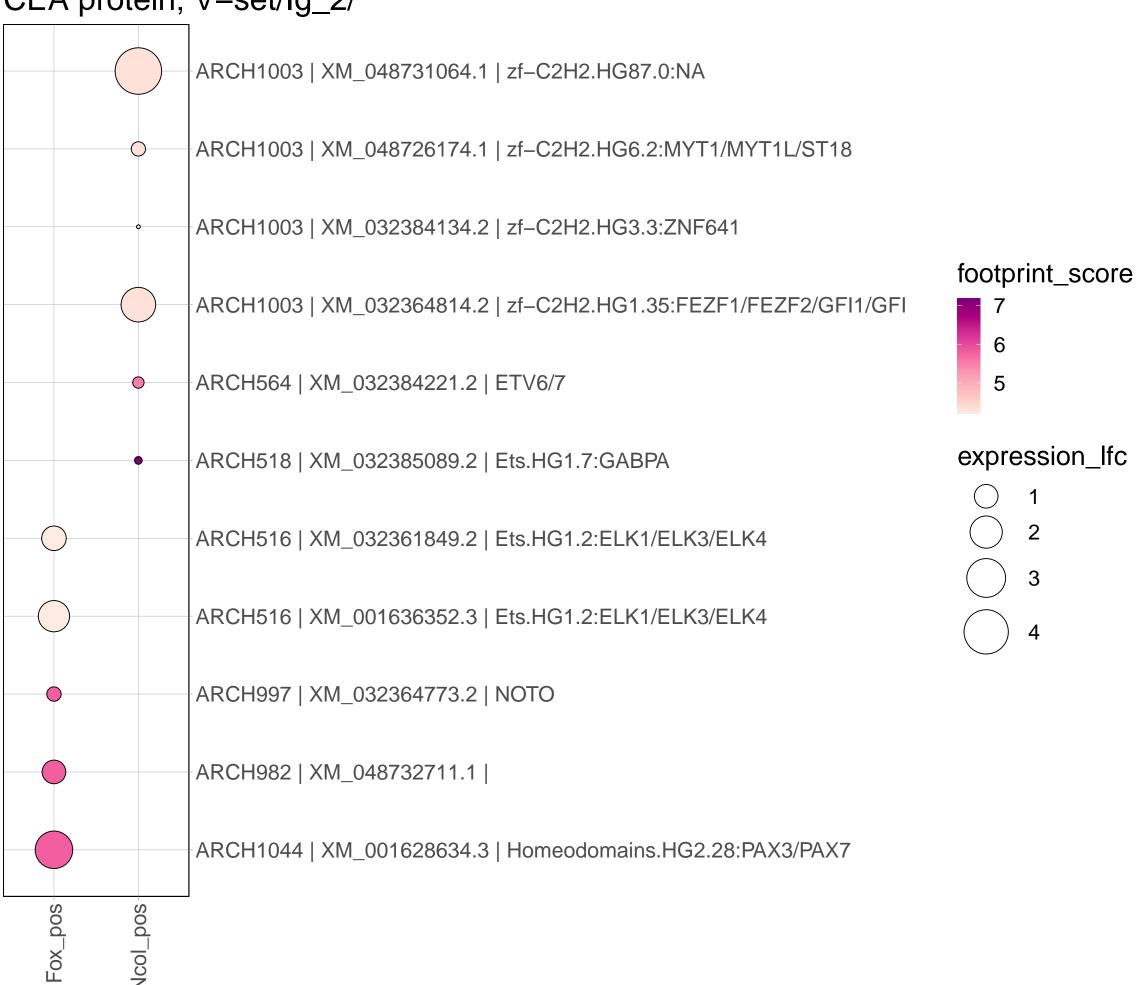


#### footprint\_score

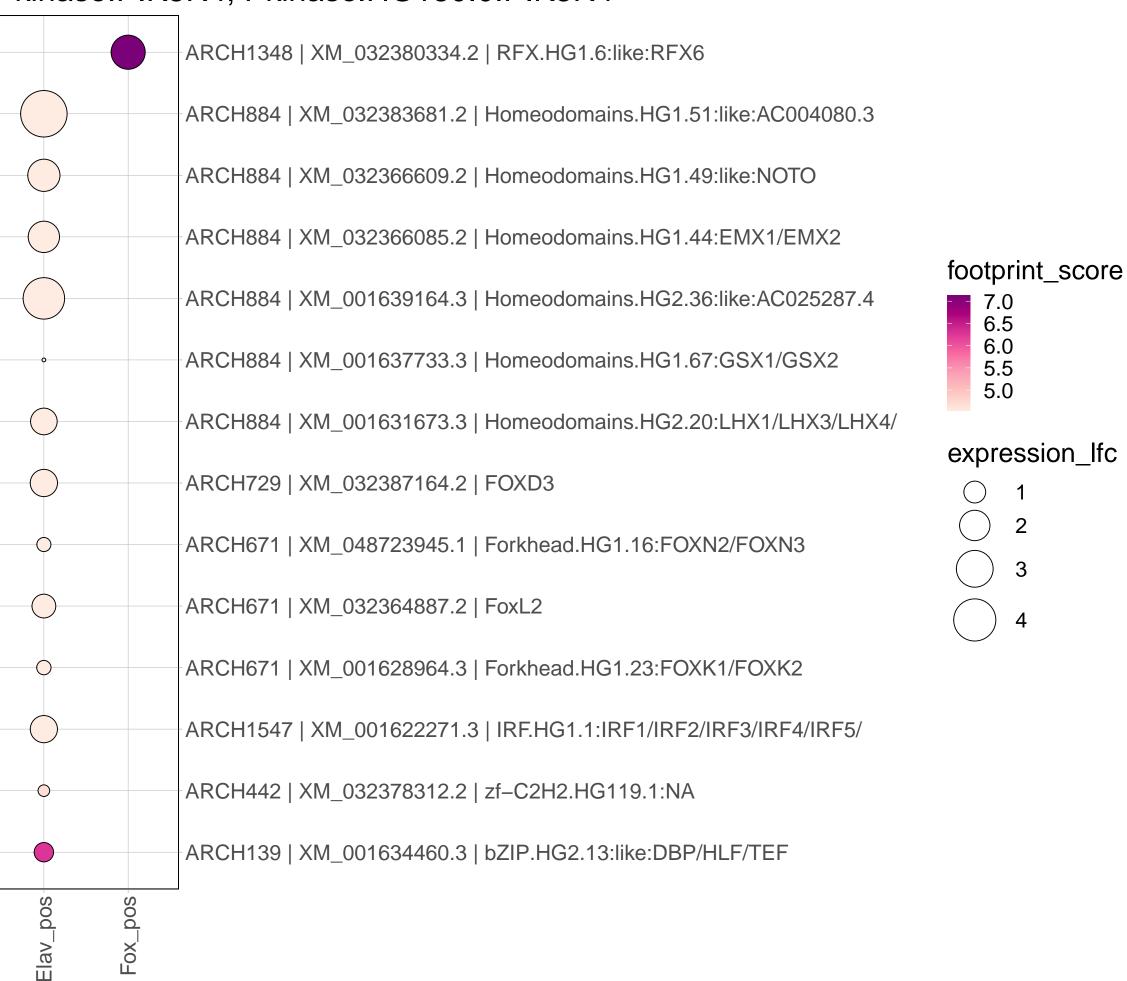


6

#### Nvec\_vc1.1\_XM\_032362682.2 CEA protein; V-set/lg\_2/



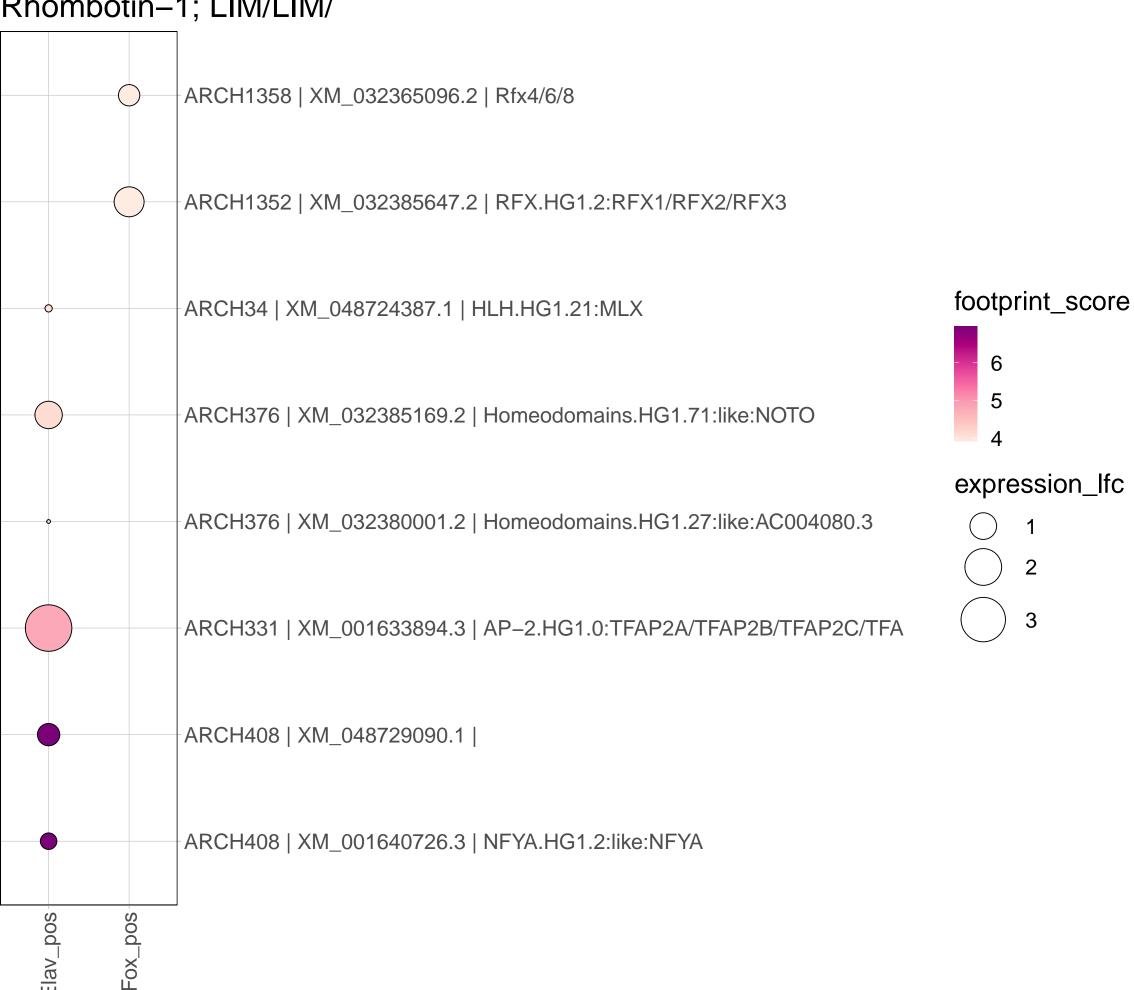
#### Nvec\_vc1.1\_XM\_032380524.2 Pkinase:PIK3R4; Pkinase.HG180.0:PIK3R4



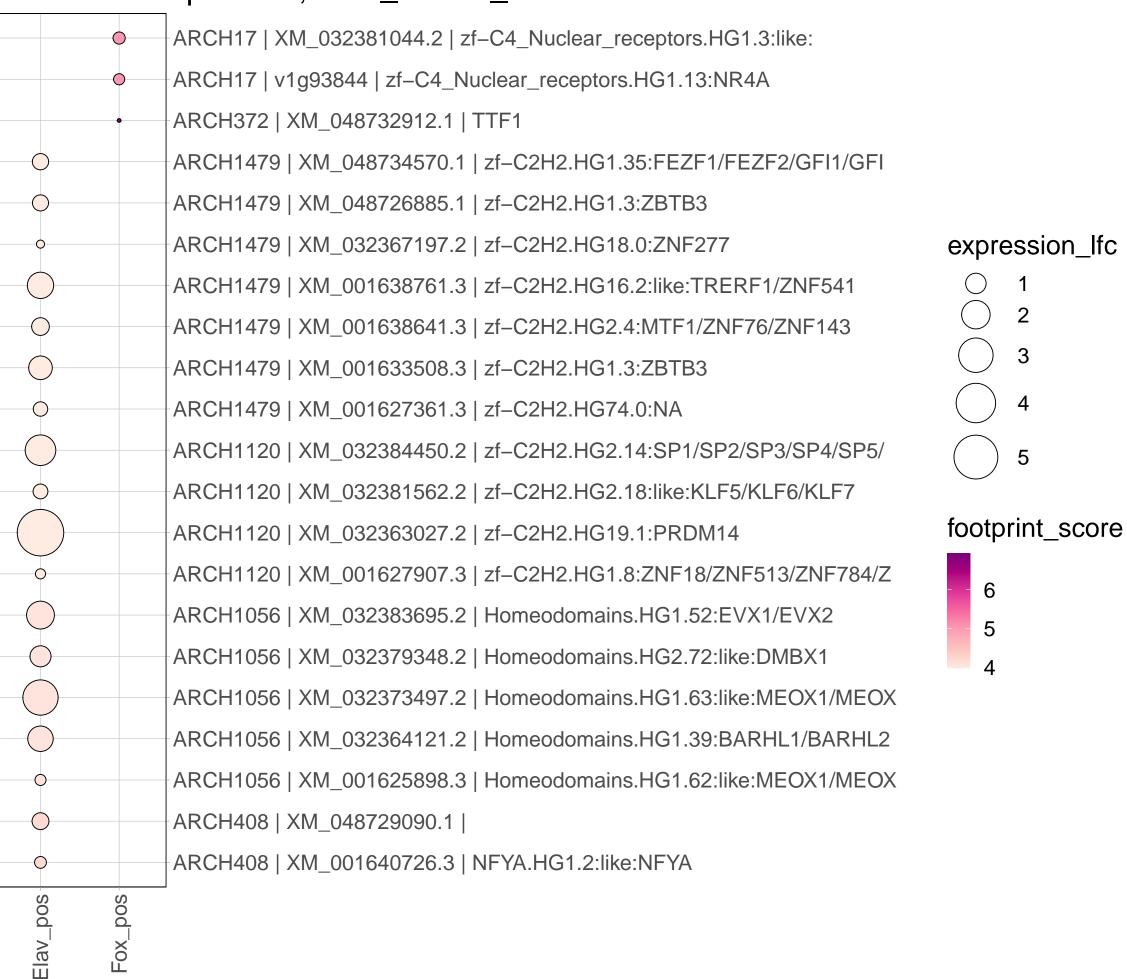
#### Nvec\_vc1.1\_XM\_032378372.2 GPCR-rhodopsin:like:ADORA2B:likeclu; 7tm\_1/



#### Nvec\_vc1.1\_XM\_032386263.2 Rhombotin-1; LIM/LIM/

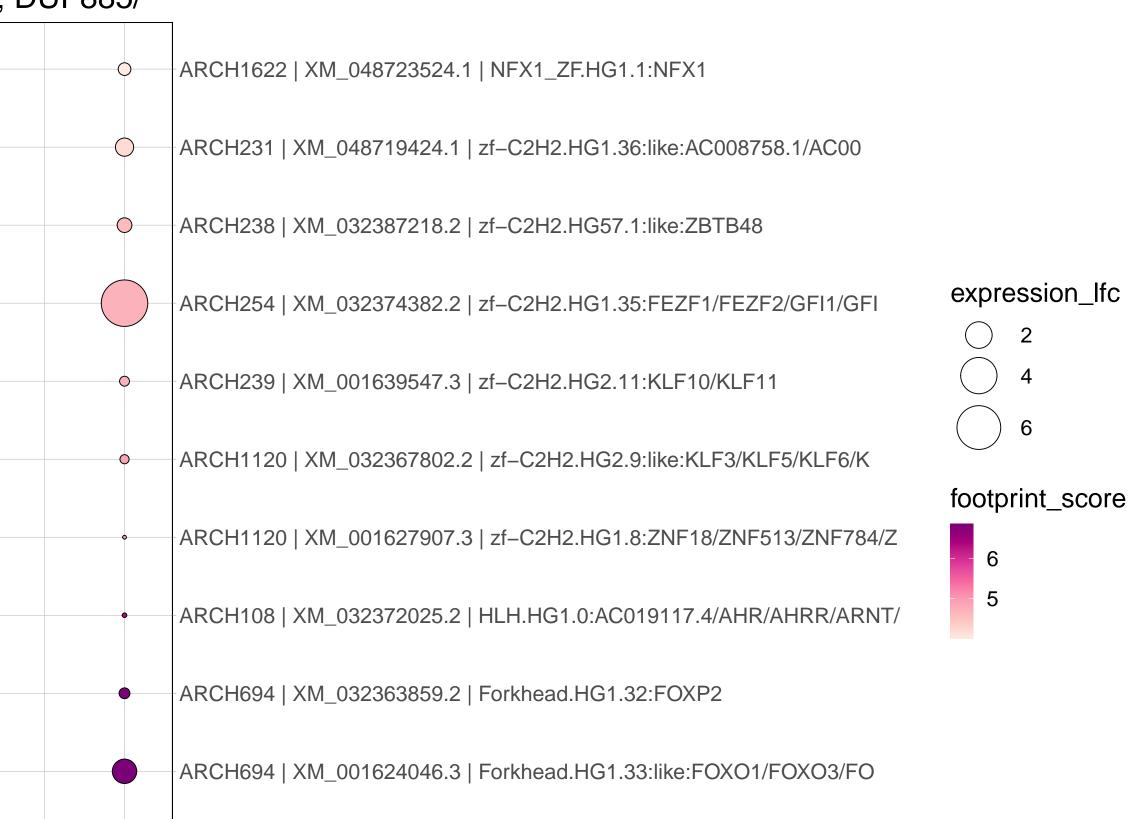


#### Nvec\_vc1.1\_XM\_032378457.2 GPCR-rhodopsin:NA; 7TM\_GPCR\_Srw/



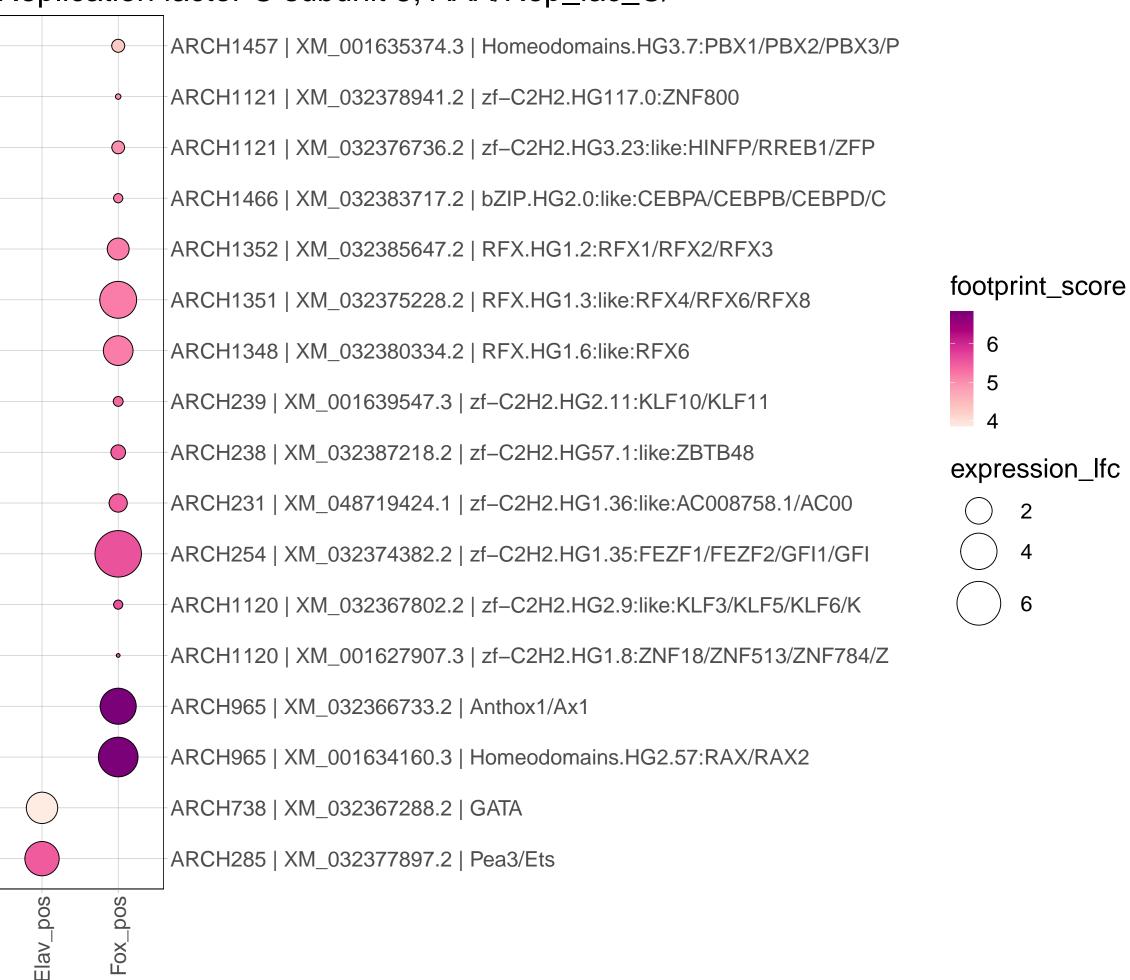
### Nvec\_vc1.1\_XM\_032379543.2



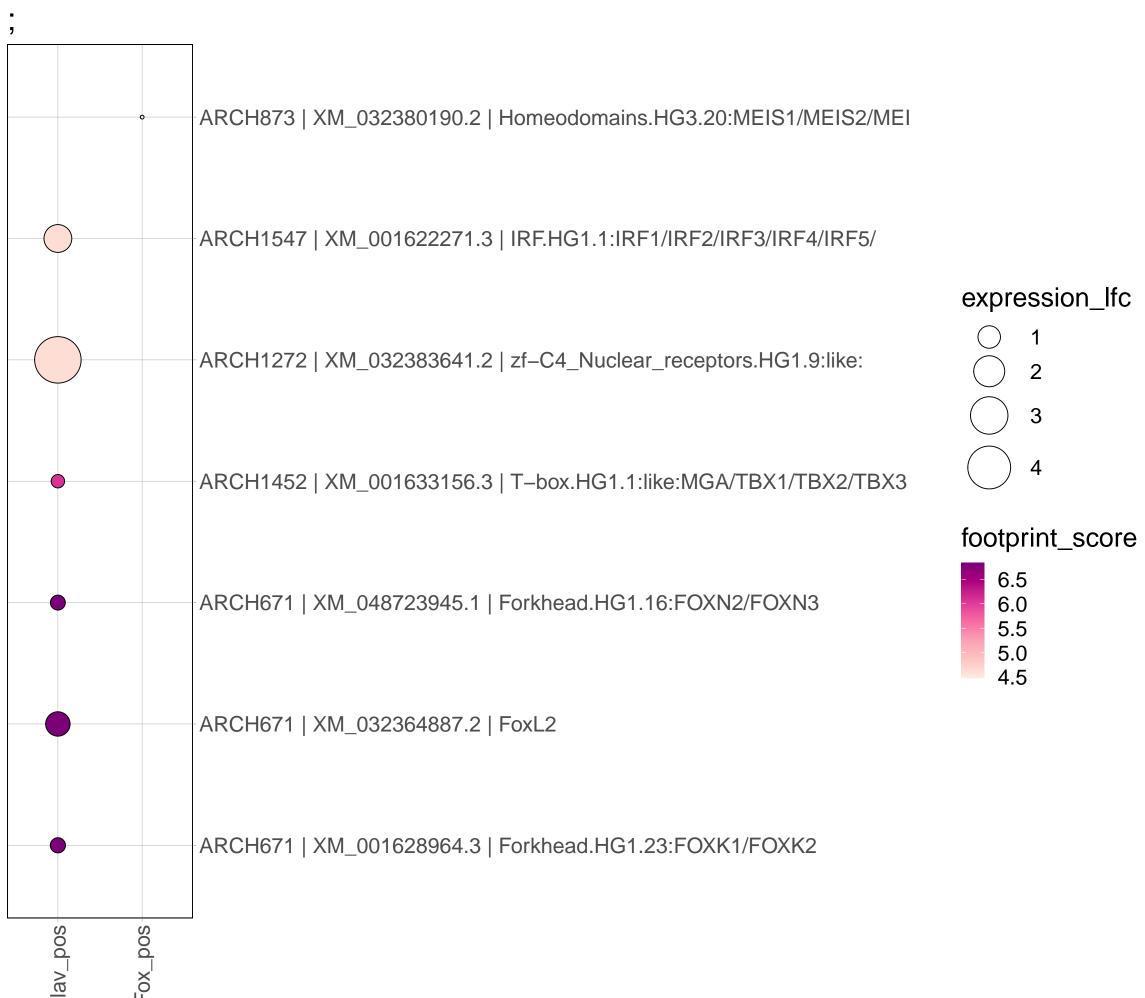


ARCH278 | XM\_032373020.2 | zf-C2H2.HG23.0:ZNF34

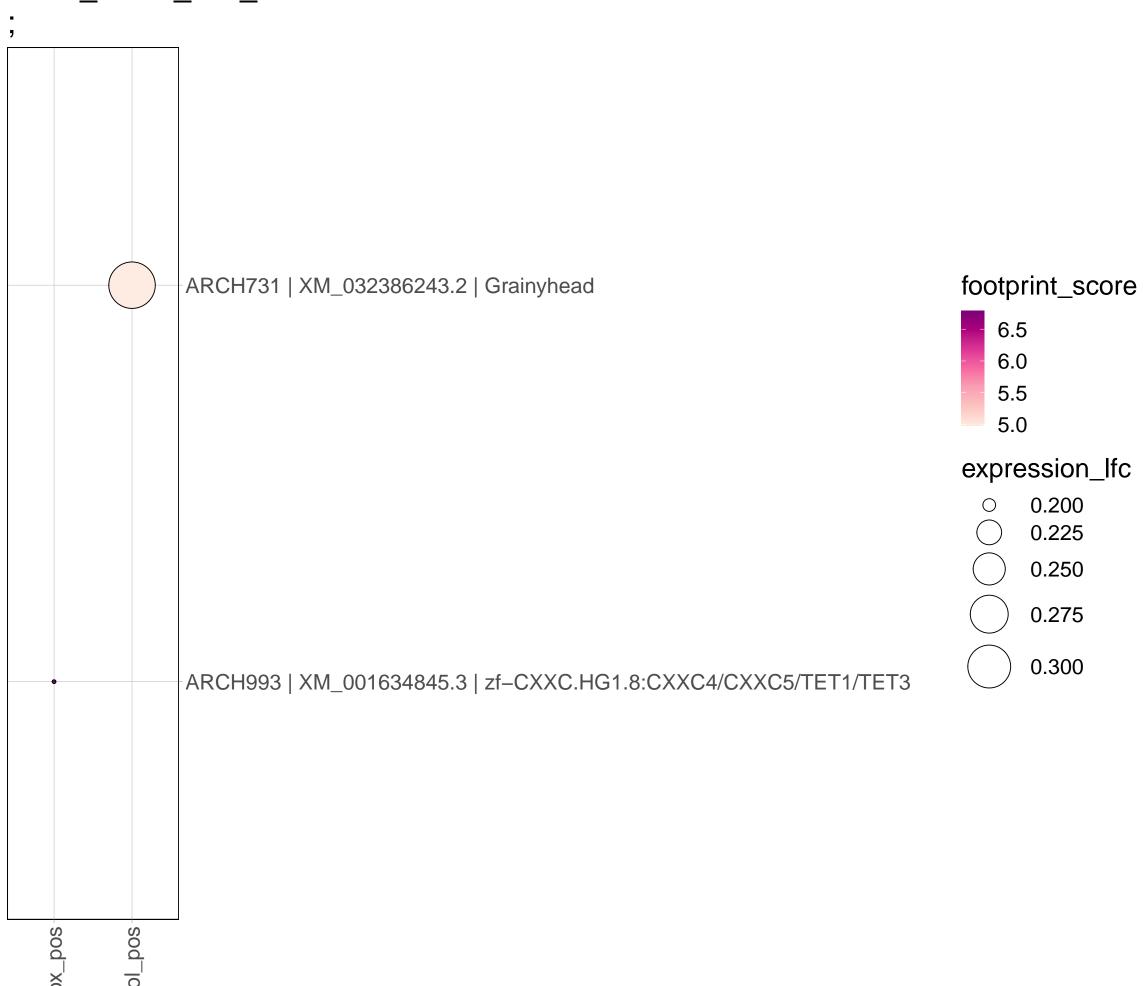
#### Nvec\_vc1.1\_XM\_001633143.3 Replication factor C subunit 5; AAA/Rep\_fac\_C/



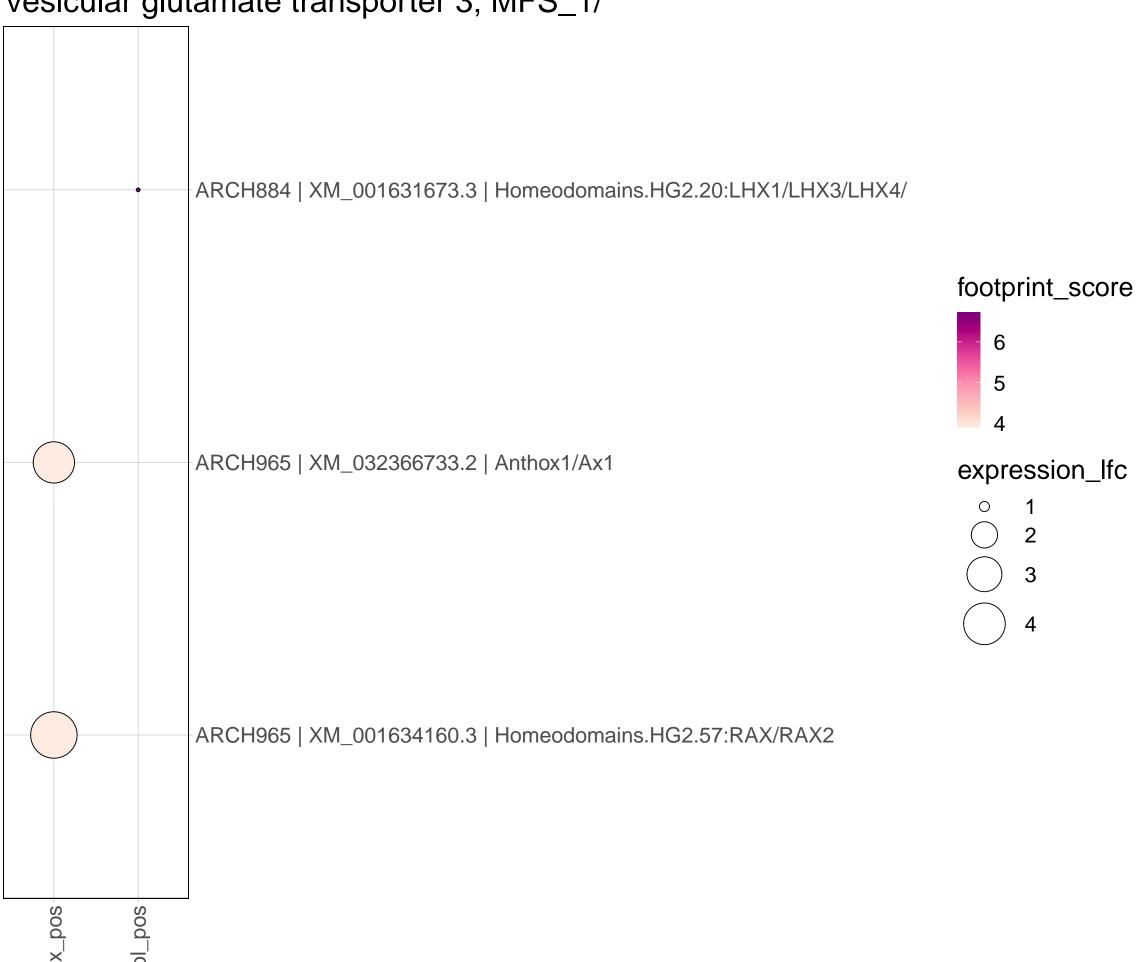
#### Nvec\_vc1.1\_XM\_048720909.1



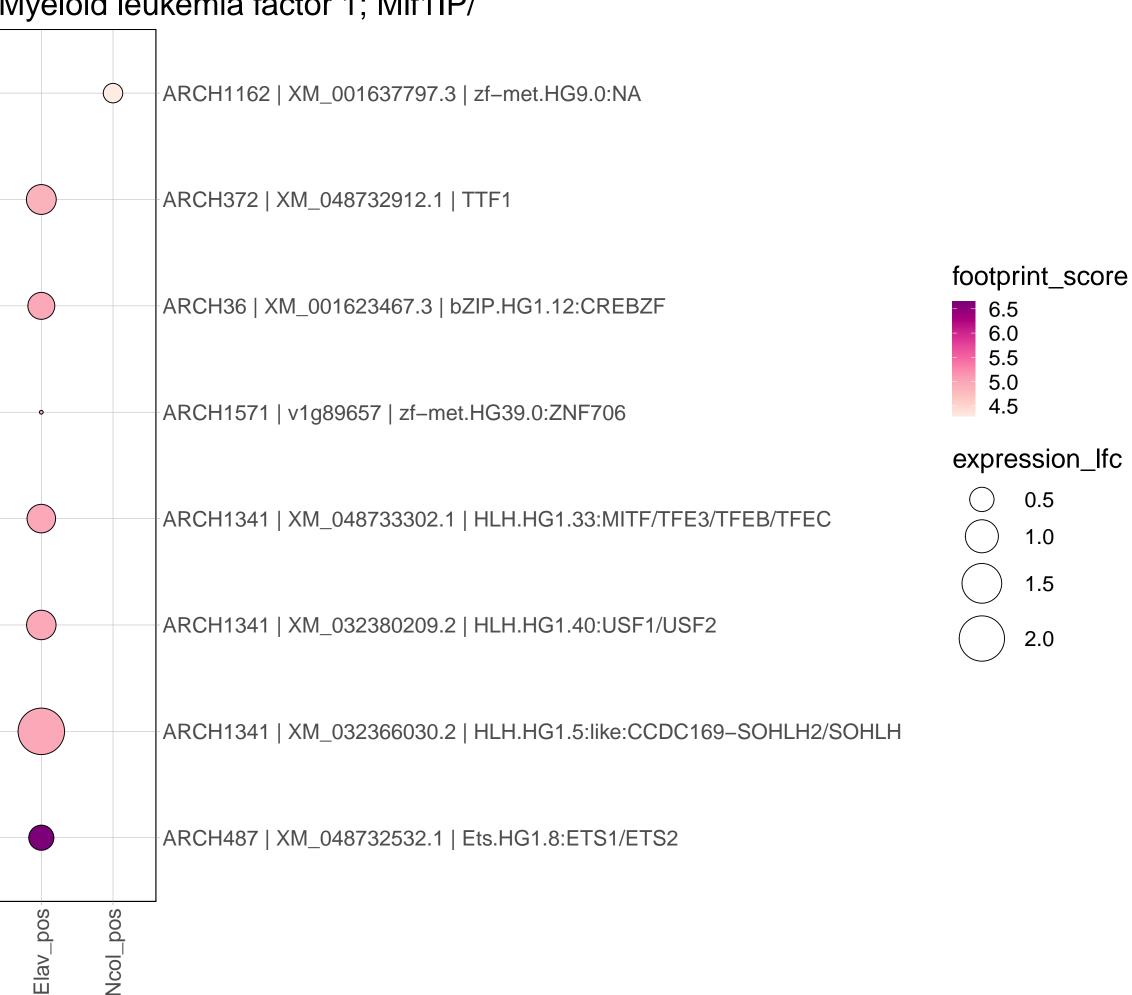
## Nvec\_vc1.1\_XM\_048729009.1



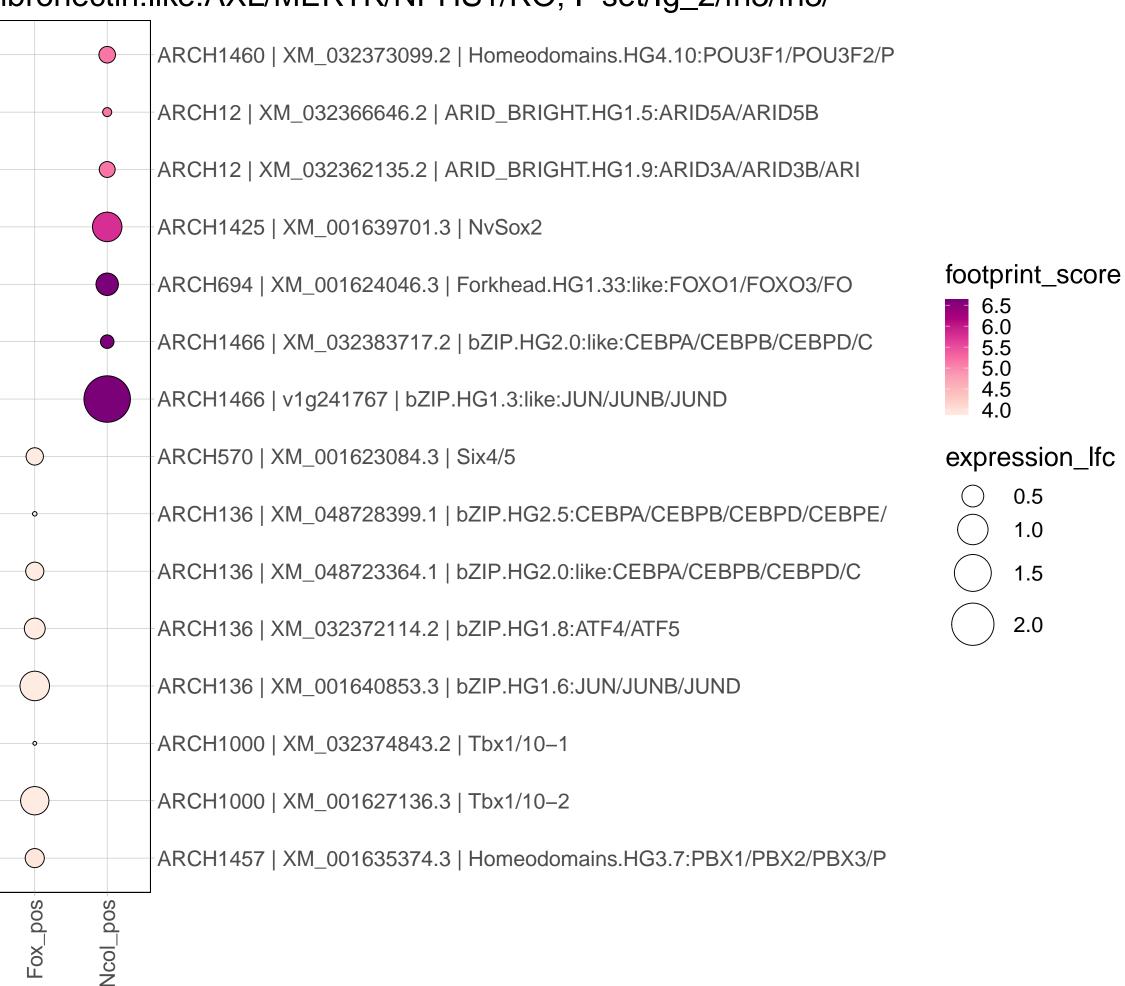
#### Nvec\_vc1.1\_XM\_001623762.3 Vesicular glutamate transporter 3; MFS\_1/



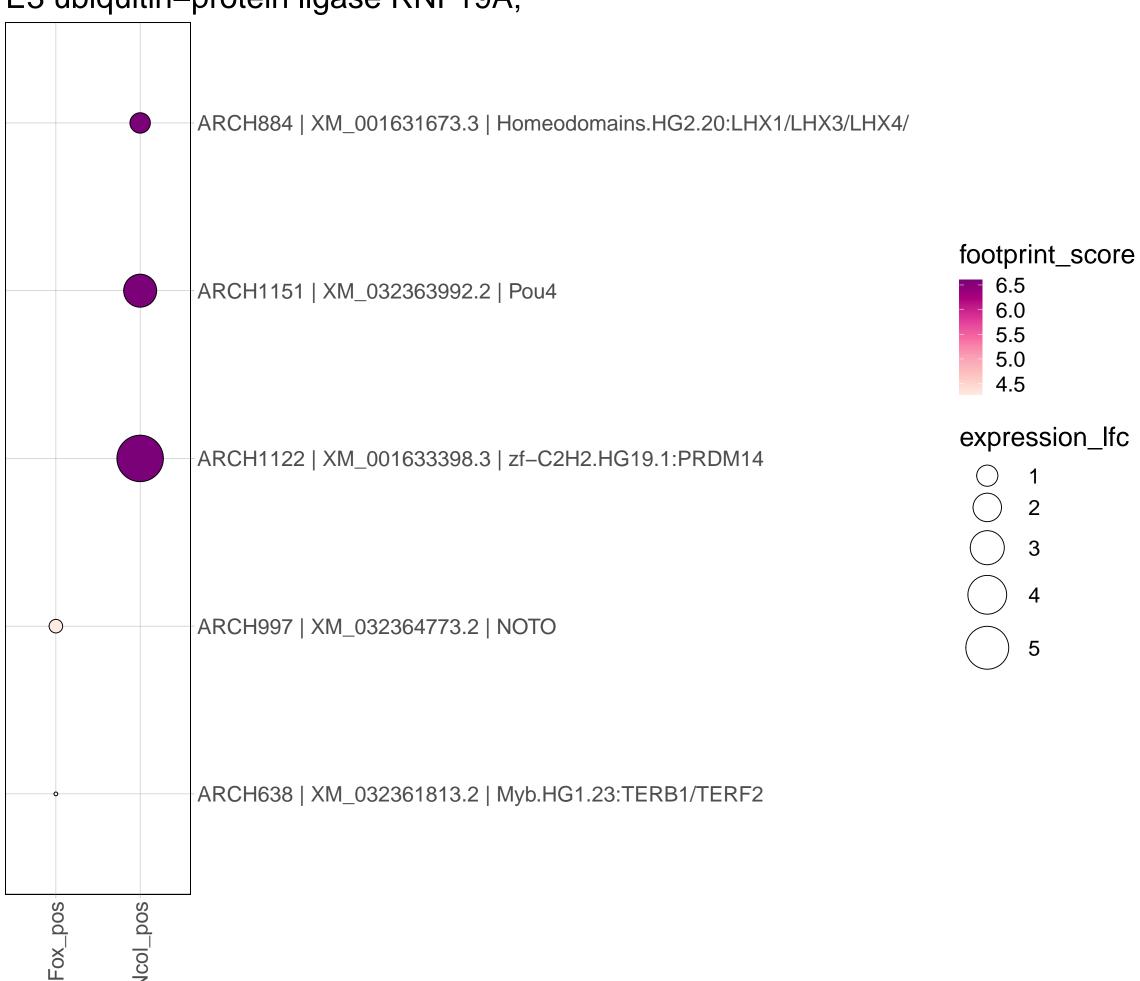
#### Nvec\_vc1.1\_XM\_001627181.3 Myeloid leukemia factor 1; Mlf1IP/



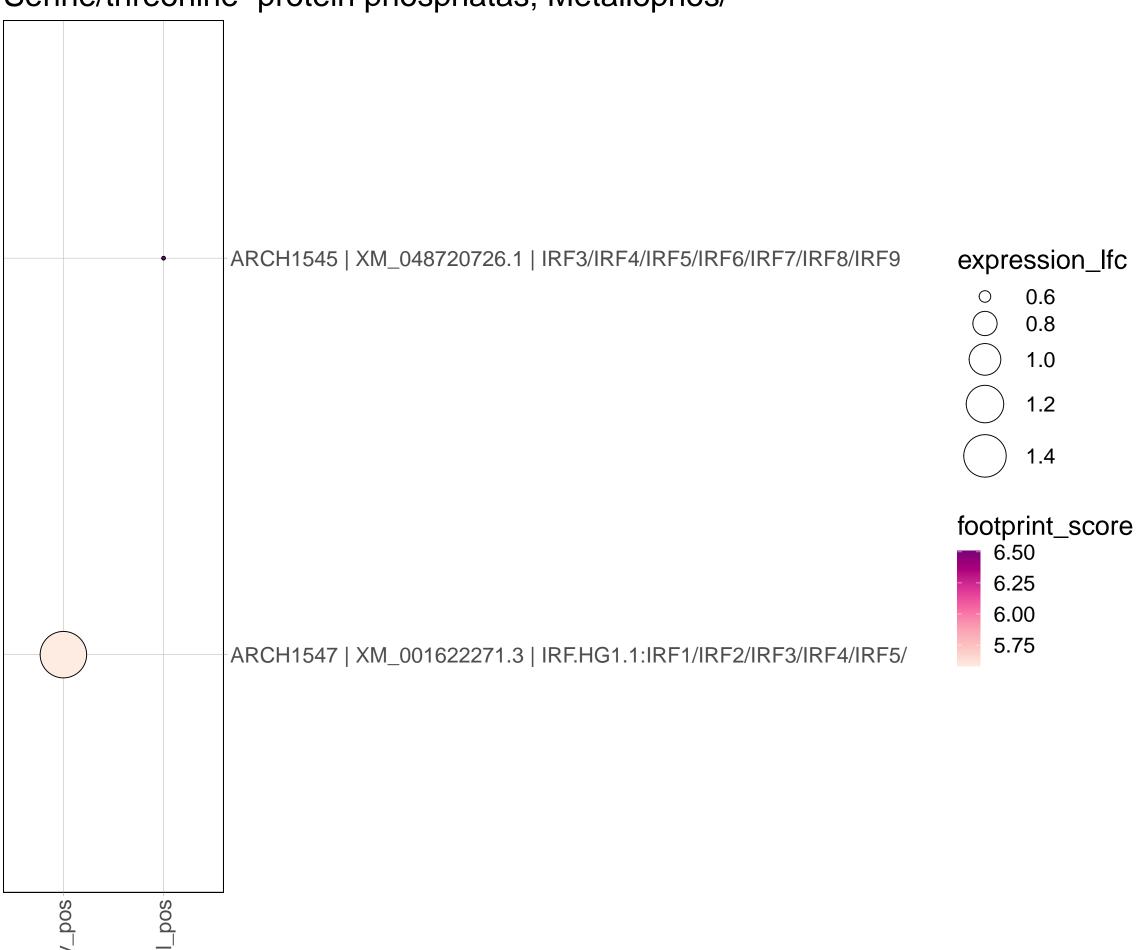
# Nvec\_vc1.1\_XM\_032372769.2 fibronectin:like:AXL/MERTK/NPHS1/RO; I—set/Ig\_2/fn3/fn3/



#### Nvec\_vc1.1\_XM\_048734459.1 E3 ubiquitin-protein ligase RNF19A;



#### Nvec\_vc1.1\_XM\_001636661.3 Serine/threonine-protein phosphatas; Metallophos/

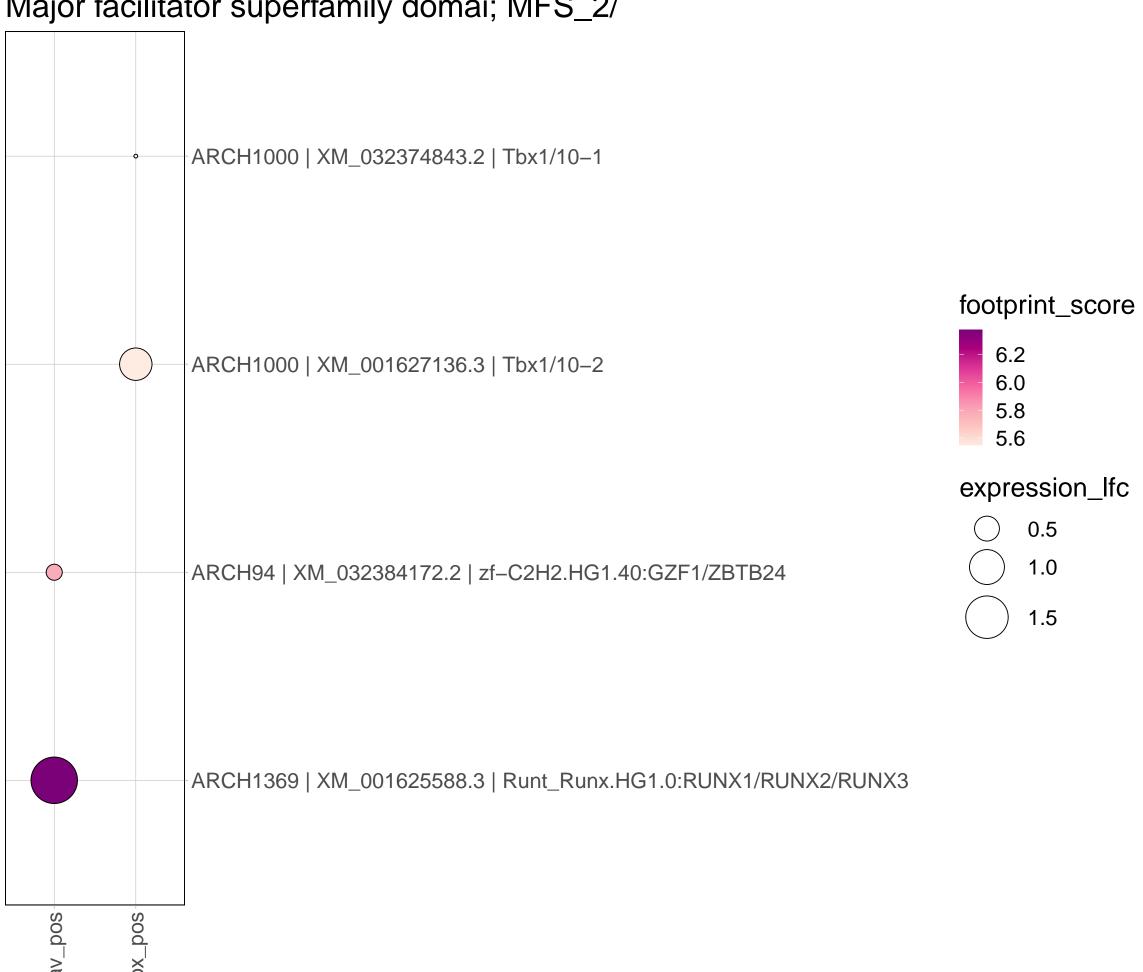


#### Nvec\_vc1.1\_XM\_001639688.3

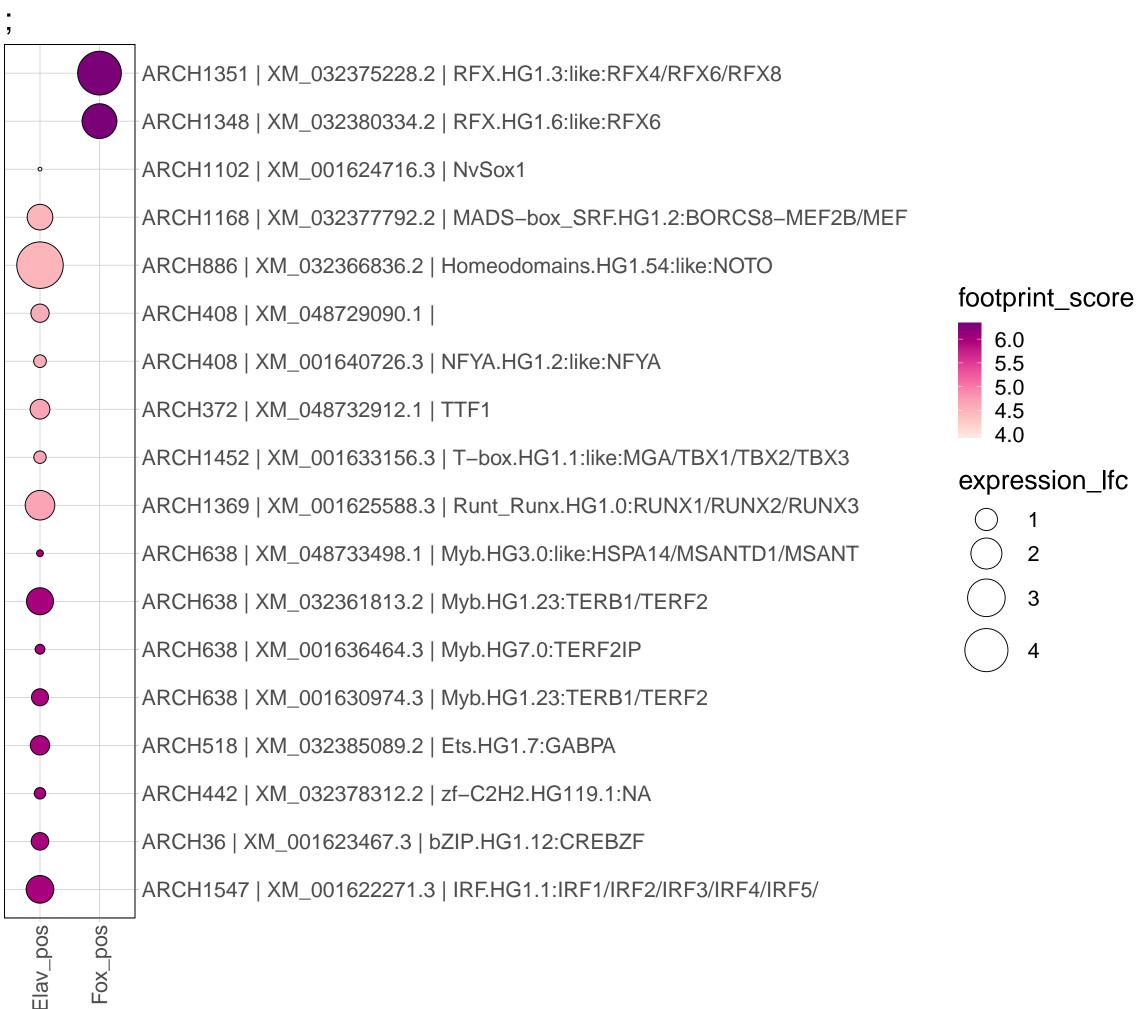
Peroxisomal acyl-coenzyme A oxidase; Acyl-CoA\_dh\_M/Acyl-CoA\_dh\_1/ACOX



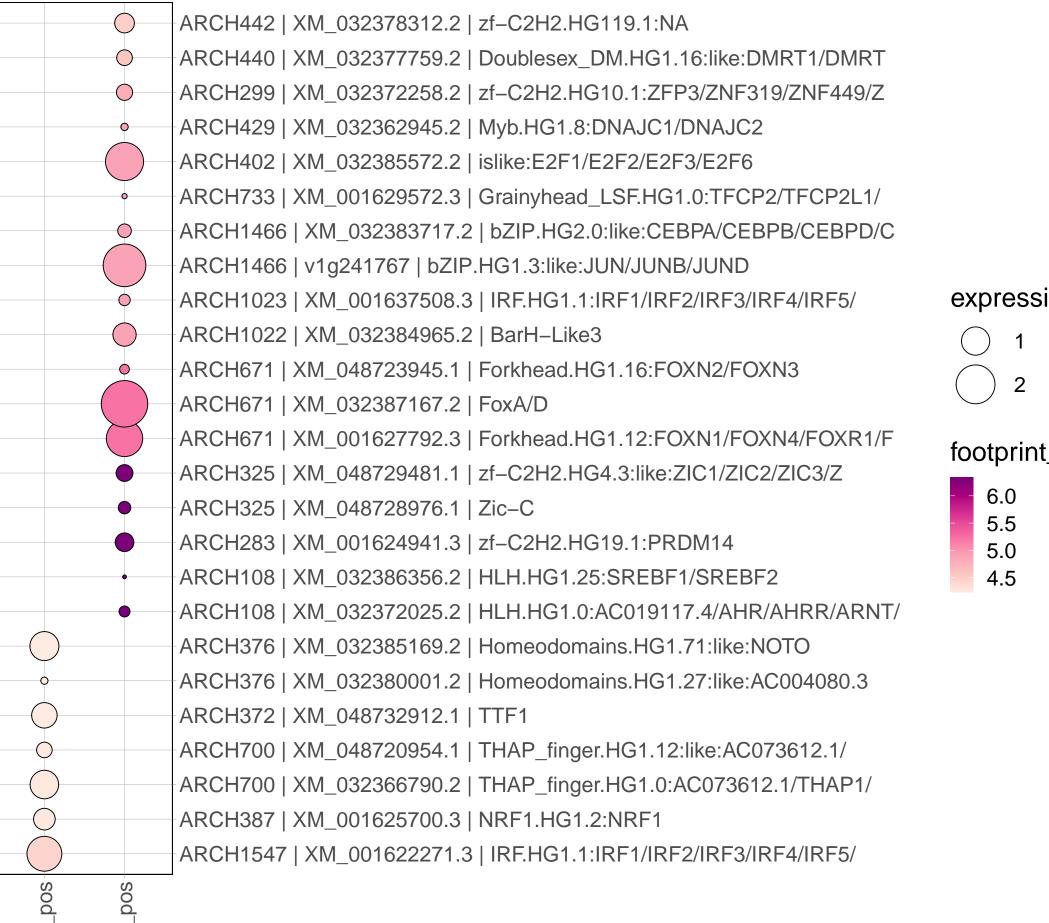
#### Nvec\_vc1.1\_XM\_032374307.2 Major facilitator superfamily domai; MFS\_2/



#### Nvec\_vc1.1\_XM\_032365655.2



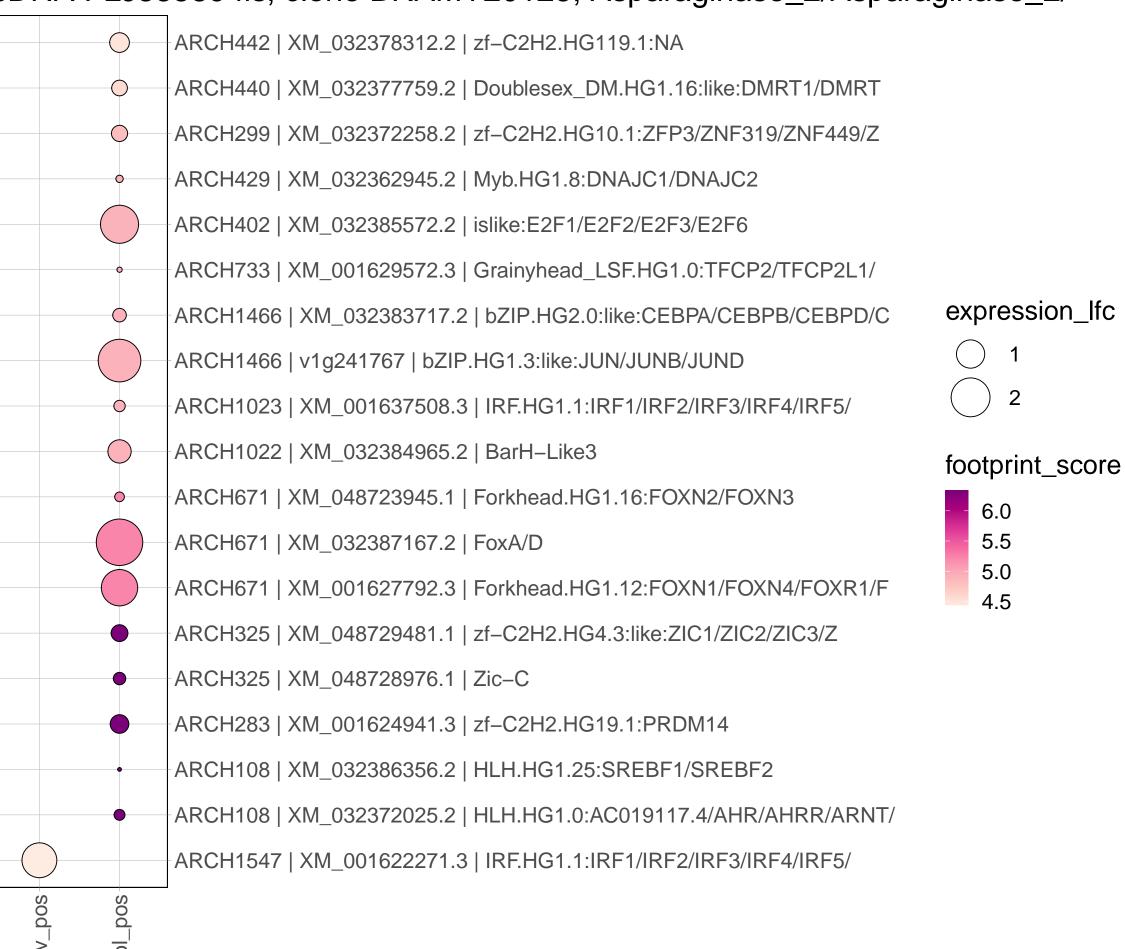
#### Nvec\_vc1.1\_XM\_048720751.1 cDNA FLJ33589 fis, clone BRAMY20125; Asparaginase\_2/



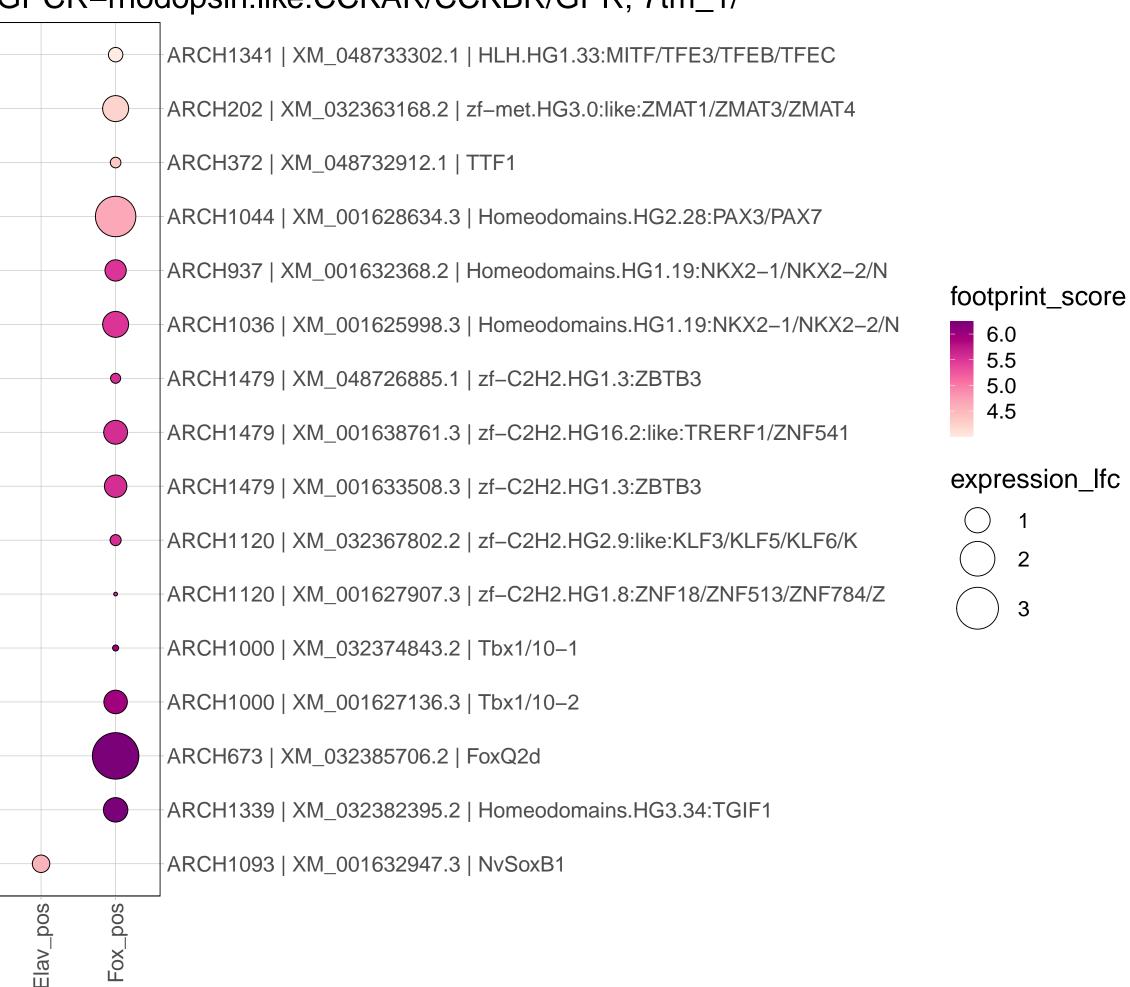
expression\_lfc

footprint\_score

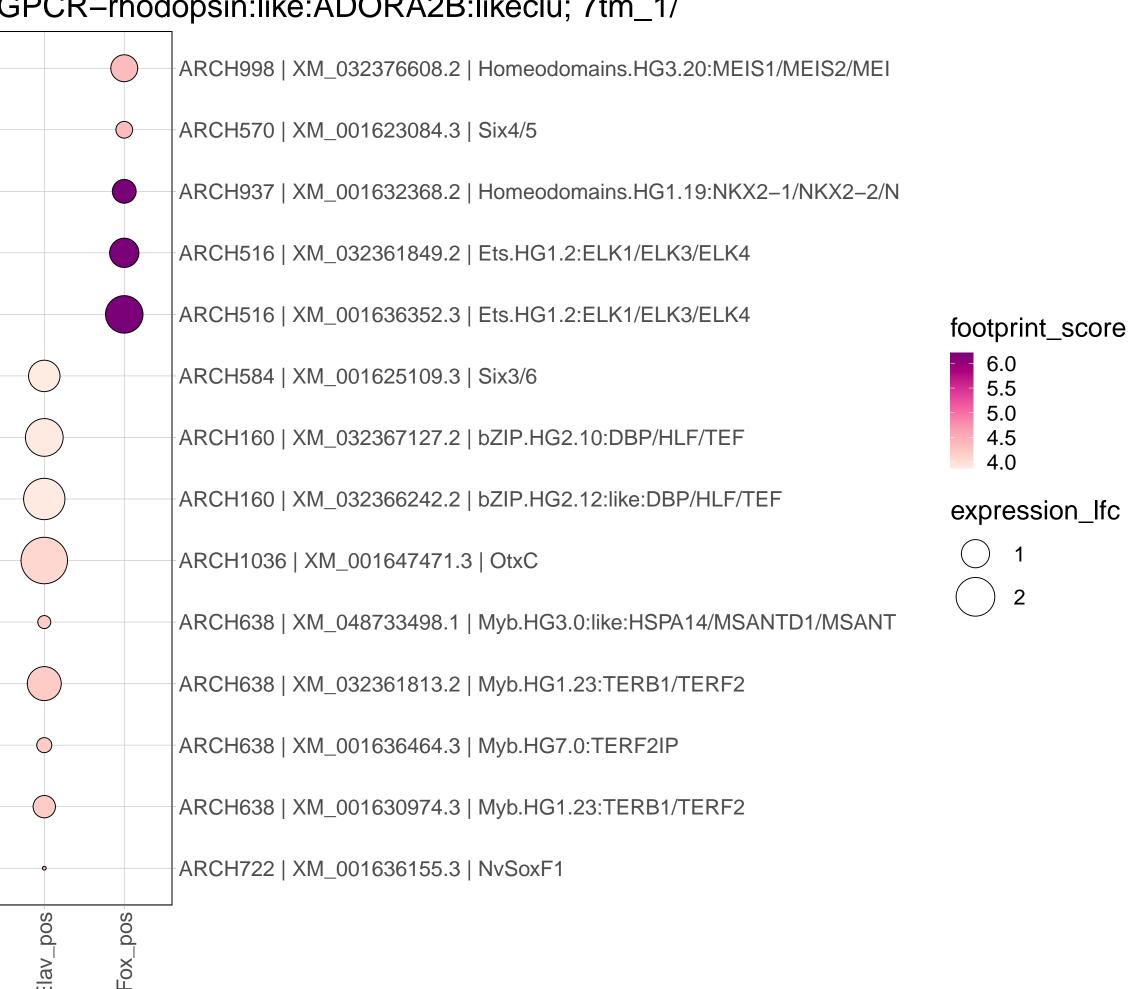
# Nvec\_vc1.1\_XM\_048720757.1 cDNA FLJ33589 fis, clone BRAMY20125; Asparaginase\_2/Asparaginase\_2/



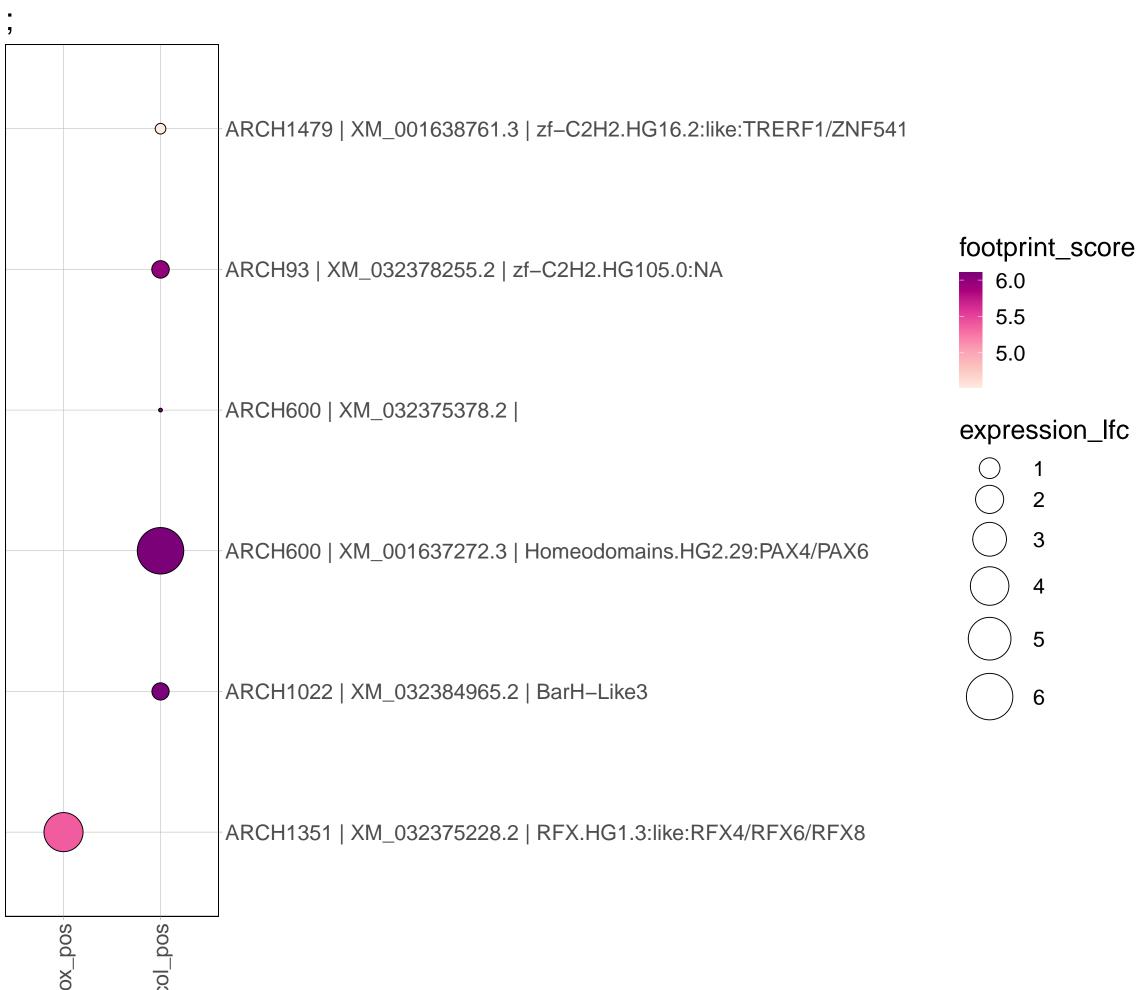
#### Nvec\_vc1.1\_XM\_032362262.2 GPCR-rhodopsin:like:CCKAR/CCKBR/GPR; 7tm\_1/



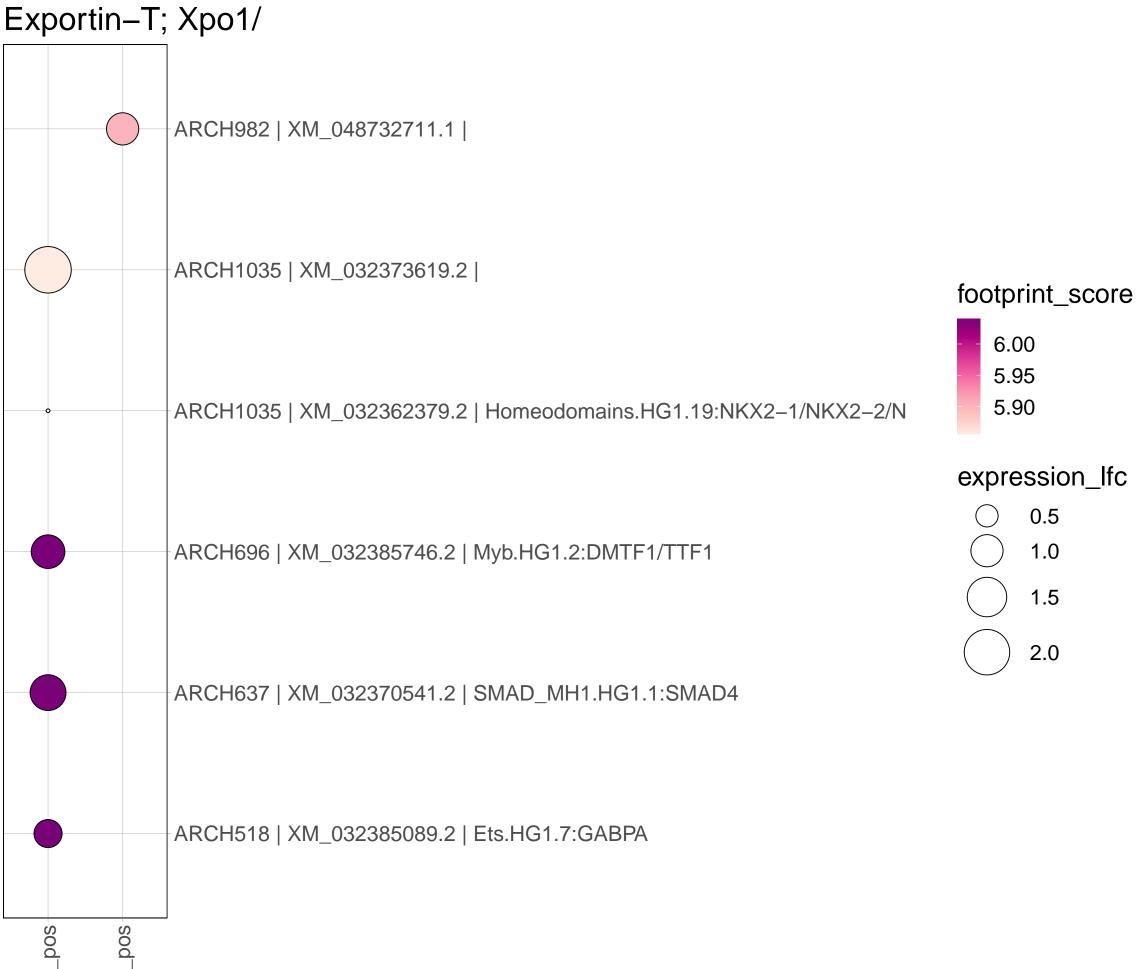
#### Nvec\_vc1.1\_XM\_048734599.1 GPCR-rhodopsin:like:ADORA2B:likeclu; 7tm\_1/



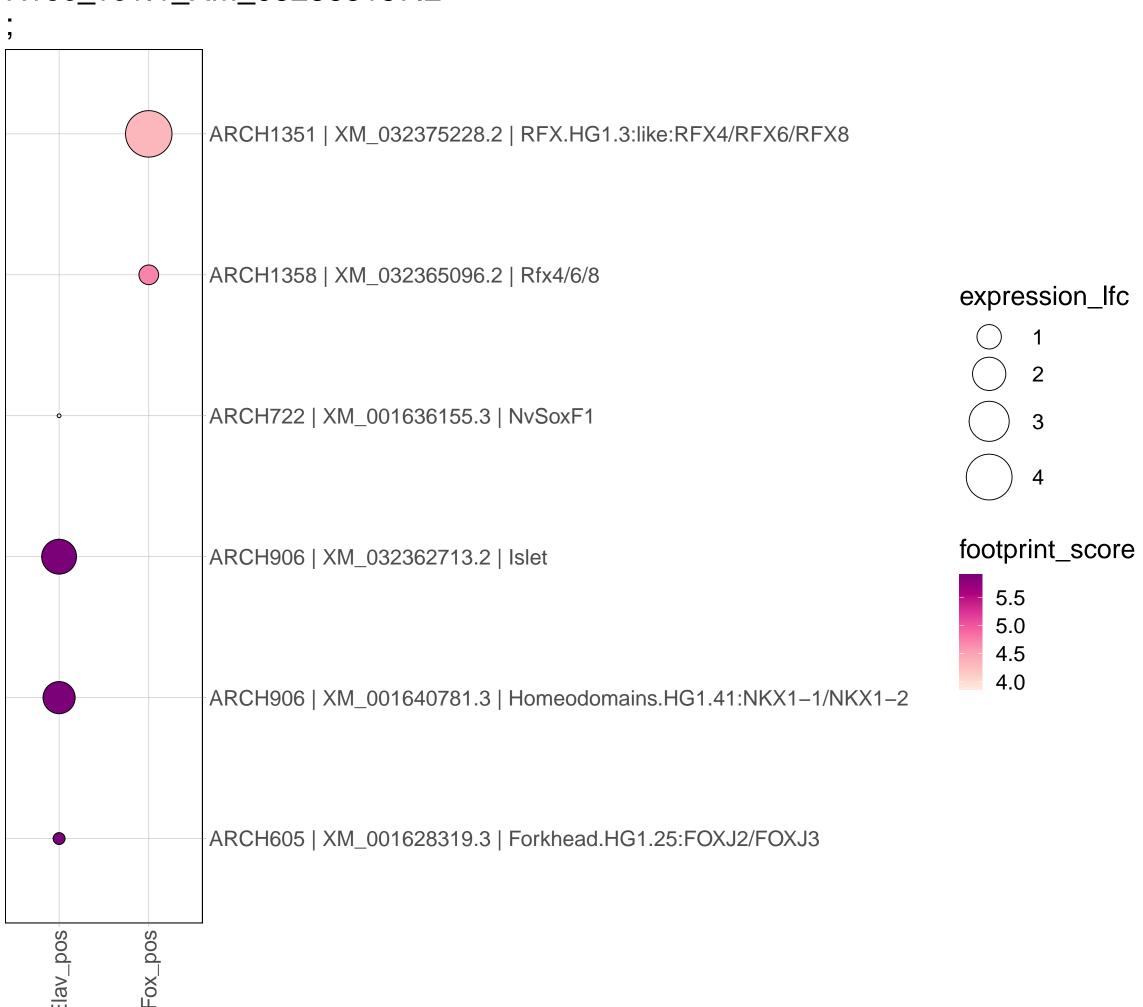
### Nvec\_vc1.1\_XM\_048723891.1



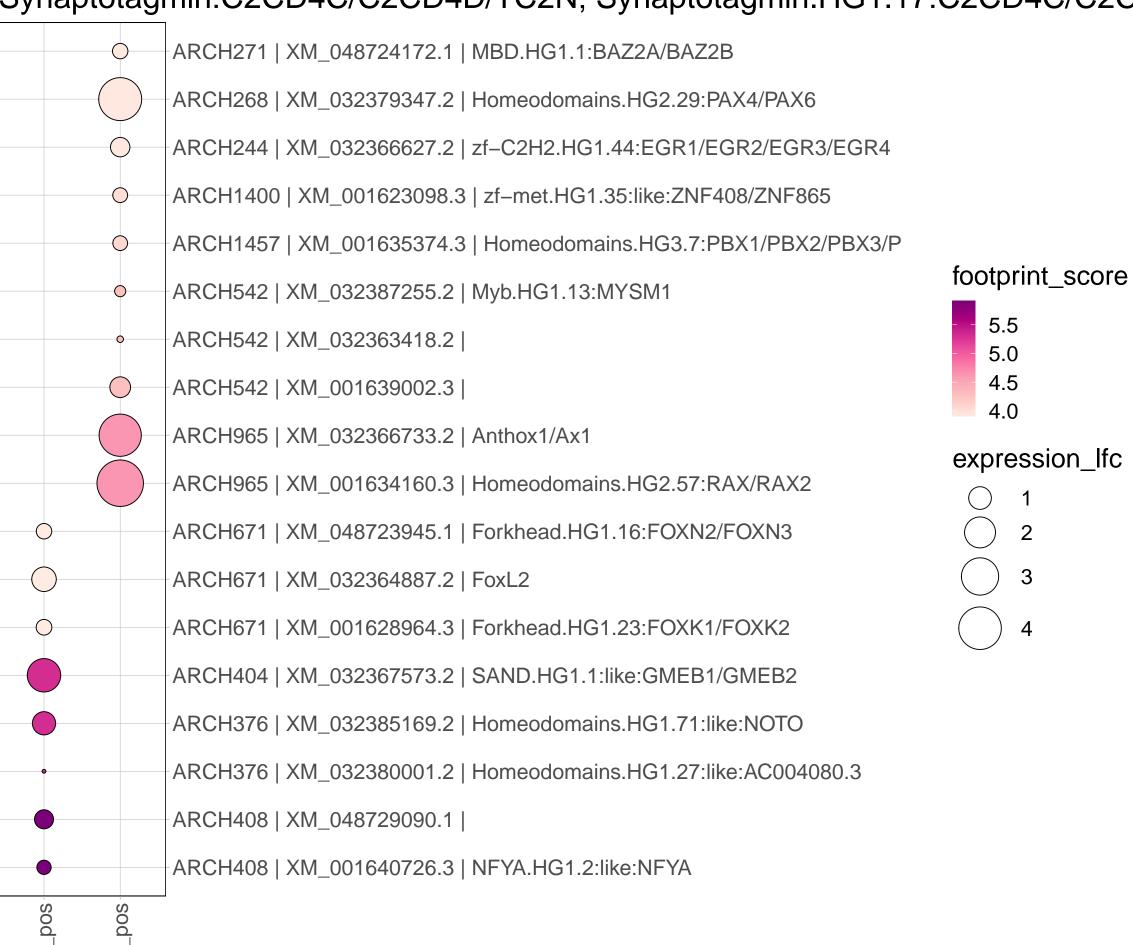
### Nvec\_vc1.1\_XM\_032386096.2



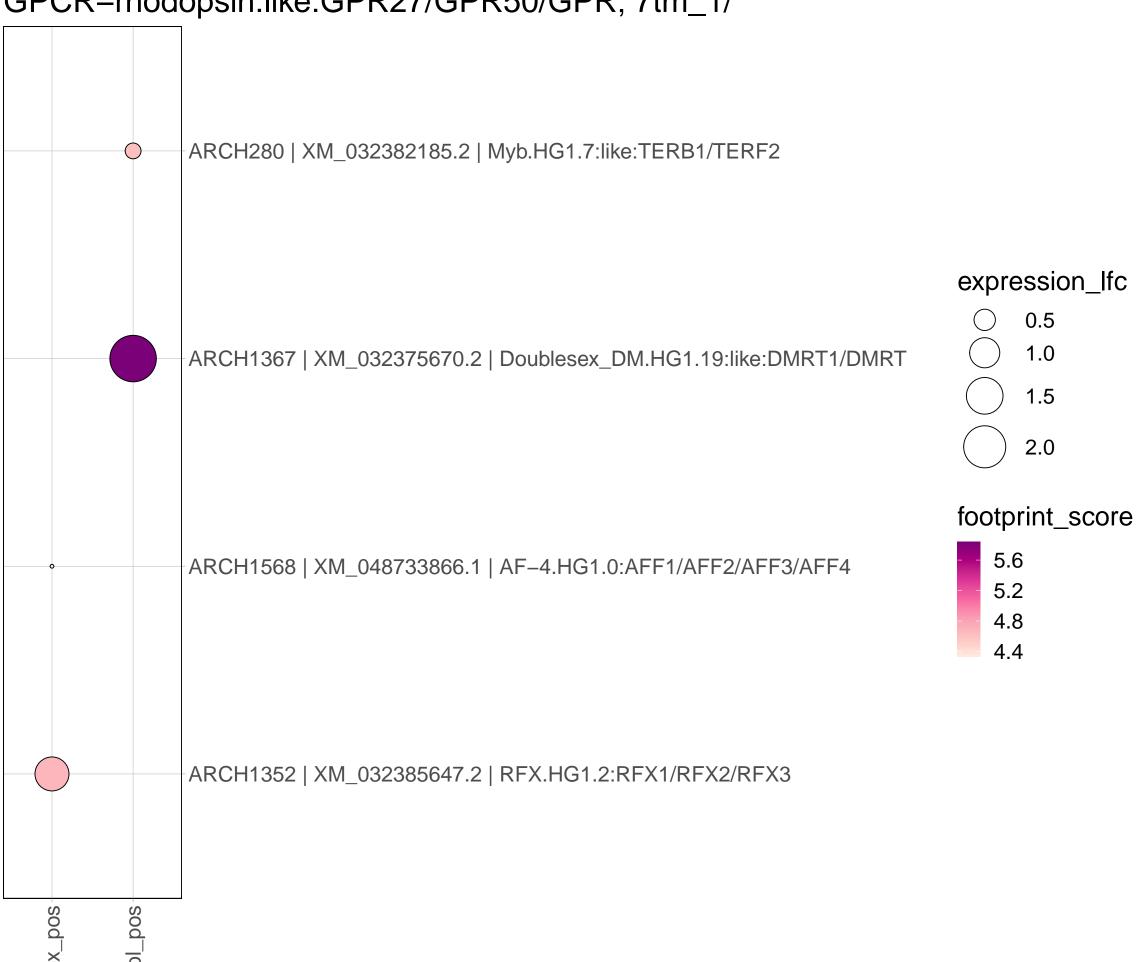
### Nvec\_vc1.1\_XM\_032363157.2



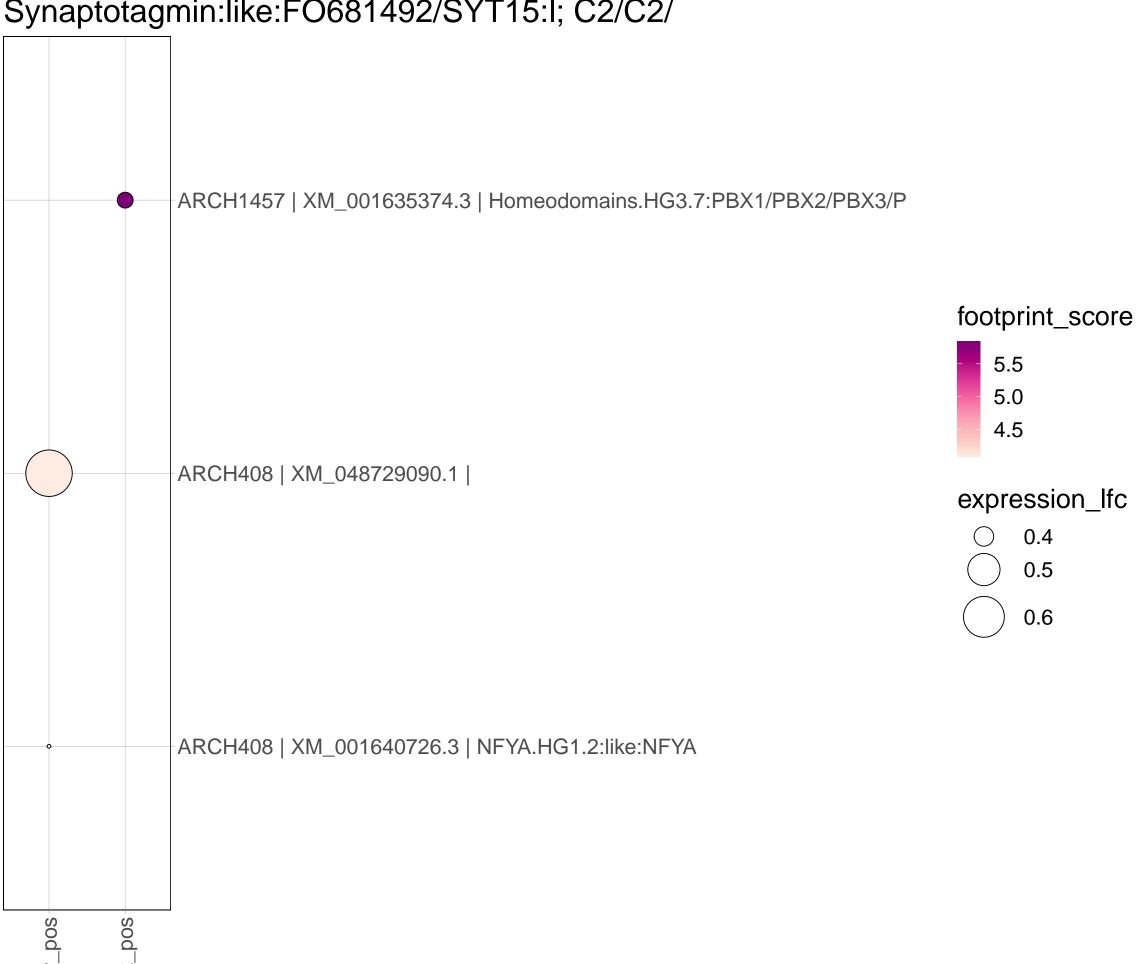
# Nvec\_vc1.1\_XM\_001633244.3 Synaptotagmin:C2CD4C/C2CD4D/TC2N; Synaptotagmin:HG1.17:C2CD4C/C2C



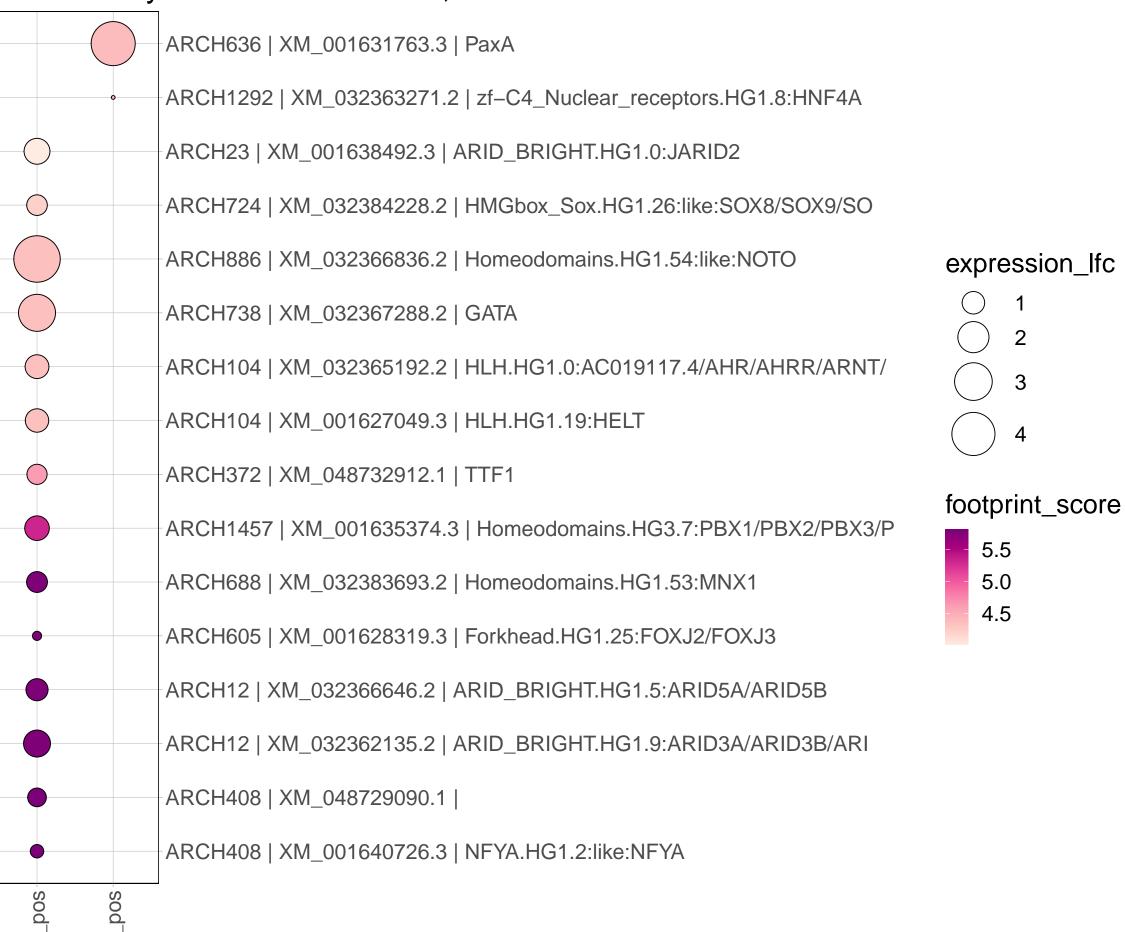
### Nvec\_vc1.1\_XM\_001639954.3 GPCR-rhodopsin:like:GPR27/GPR50/GPR; 7tm\_1/



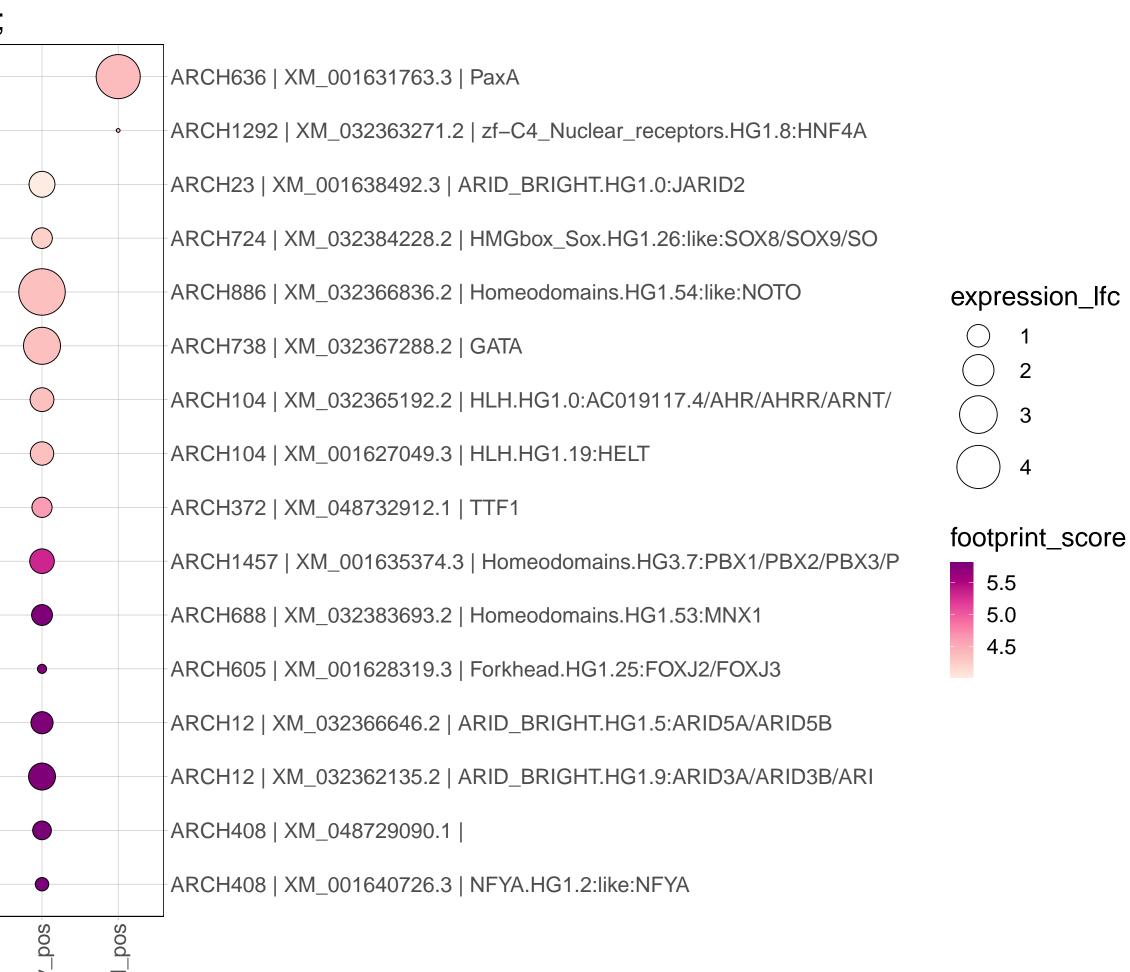
### Nvec\_vc1.1\_XM\_032372557.2 Synaptotagmin:like:FO681492/SYT15:I; C2/C2/



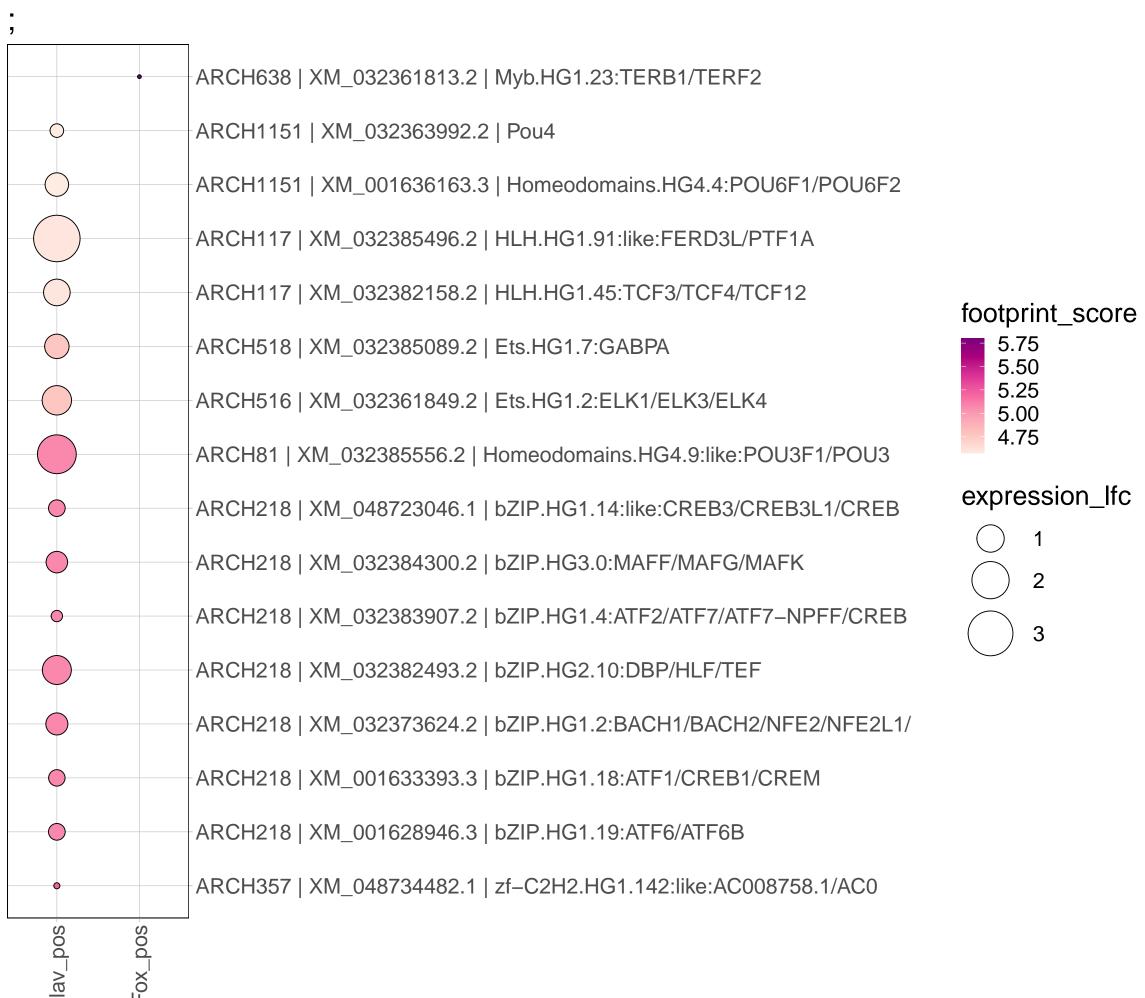
### Nvec\_vc1.1\_XM\_001636882.3 ADP-ribosylation factor-like 4C; Arf/



### Nvec\_vc1.1\_XM\_048719664.1



#### Nvec\_vc1.1\_XM\_048725869.1



### Nvec\_vc1.1\_XM\_001632492.3 Alpha-(1,3)-fucosyltransferase 4; Glyco\_transf\_10/

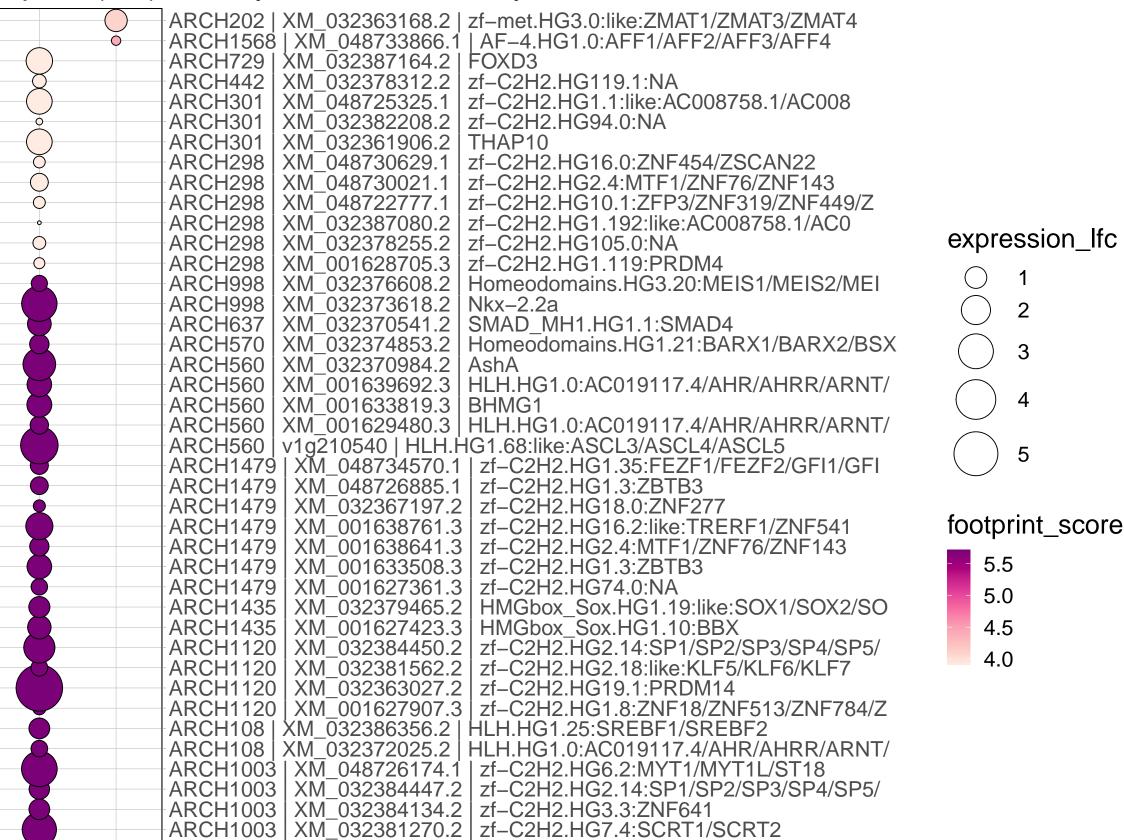
XM 032375602.2

ARCH1003 | XM 001636315.3 |

Insm1

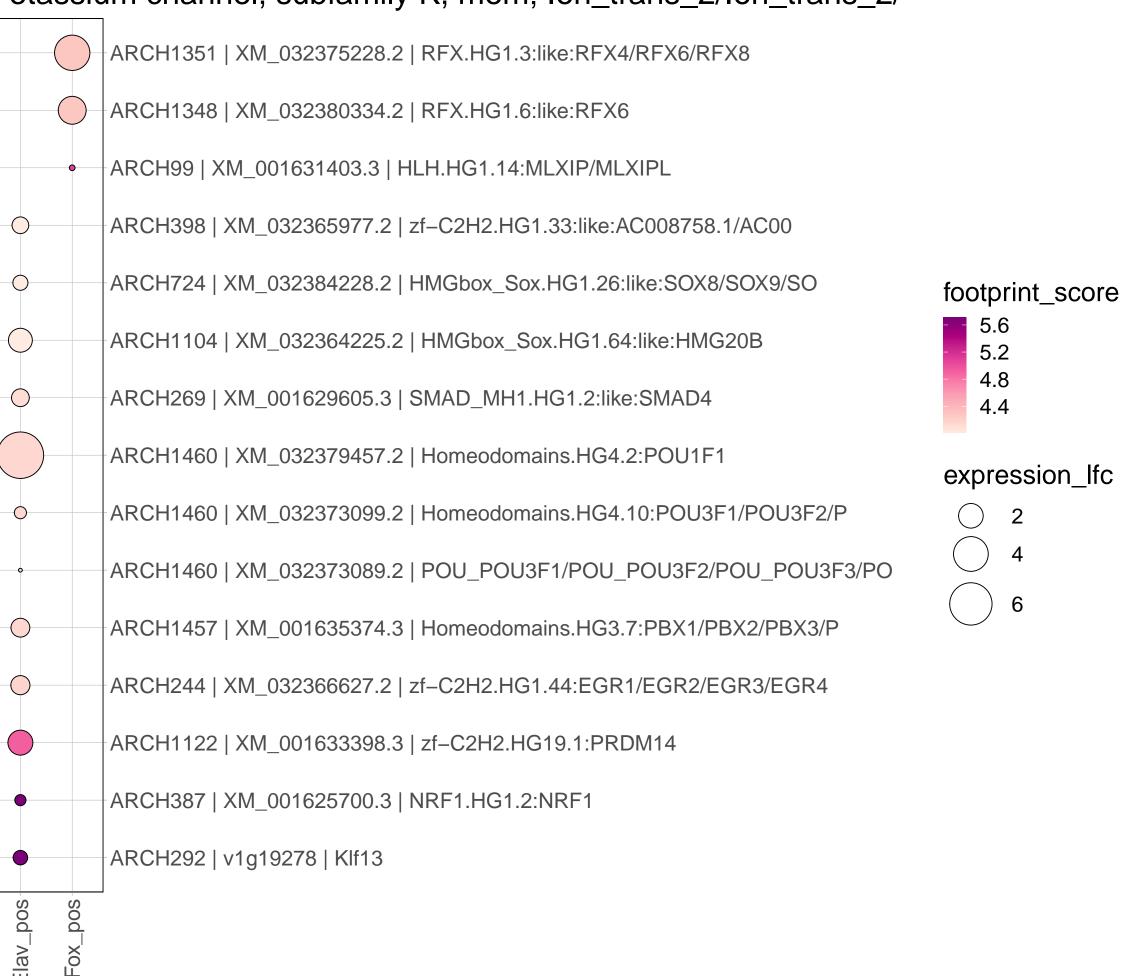
zf-C2H2.HG1.35:FEZF1/FEZF2/GFI1/GFI

ARCH1003

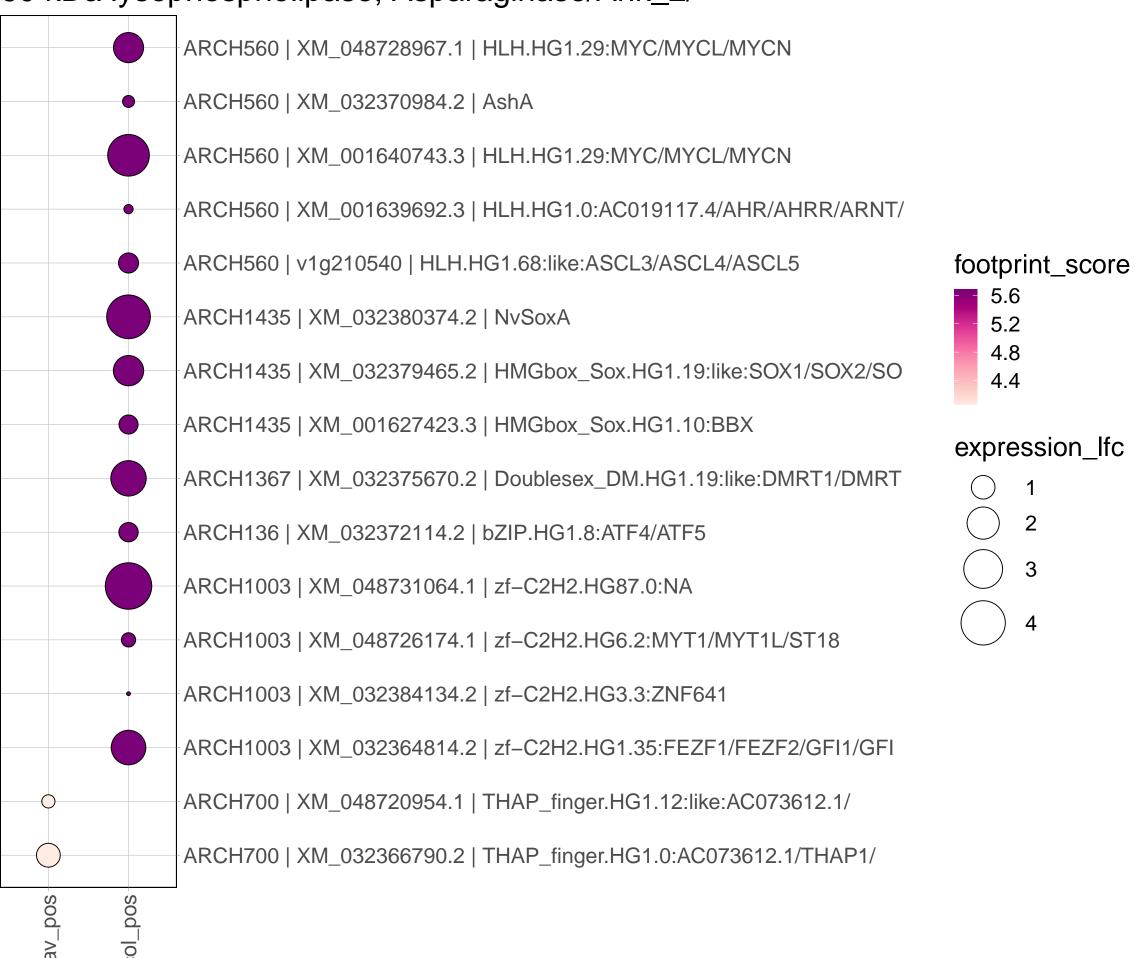


Elav\_pos Fox\_pos

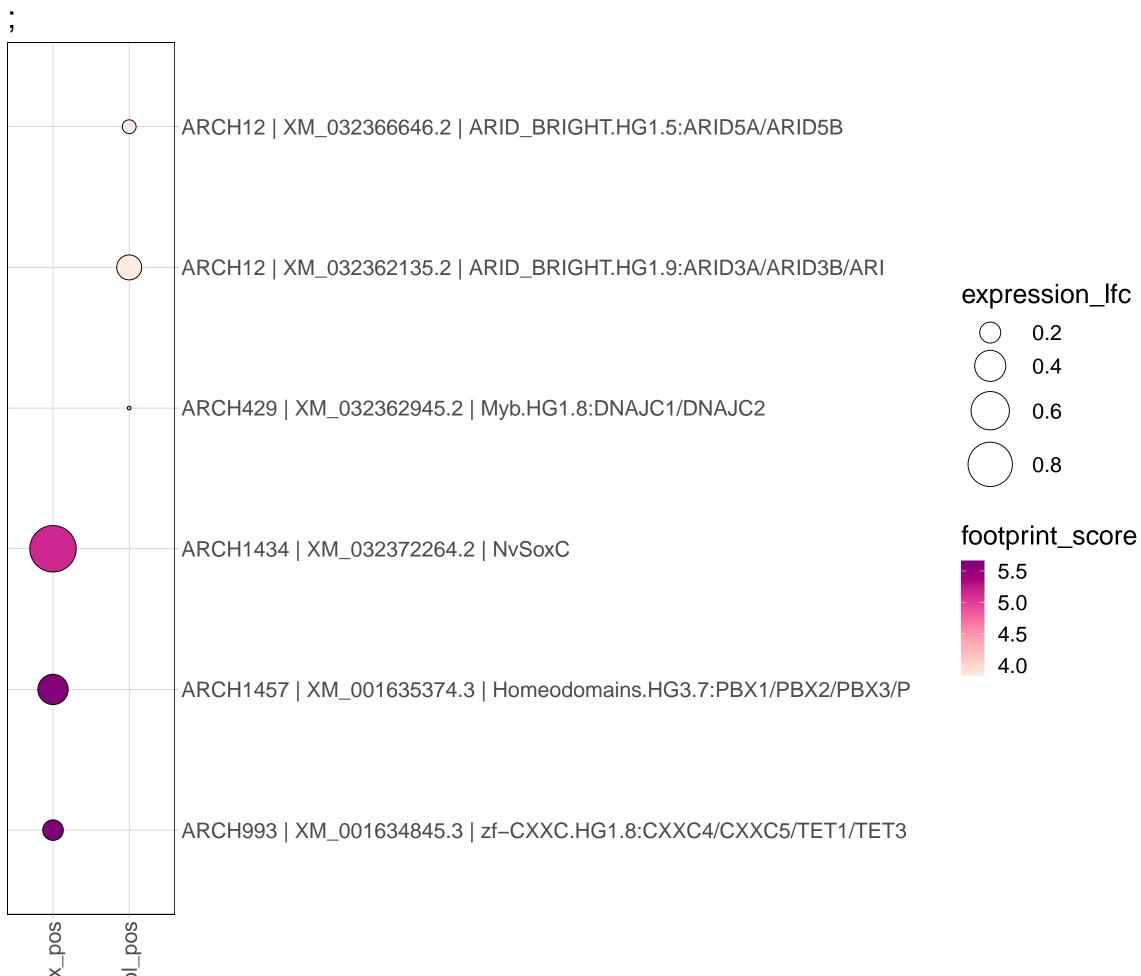
### Nvec\_vc1.1\_XM\_001639681.3 Potassium channel, subfamily K, mem; lon\_trans\_2/lon\_trans\_2/



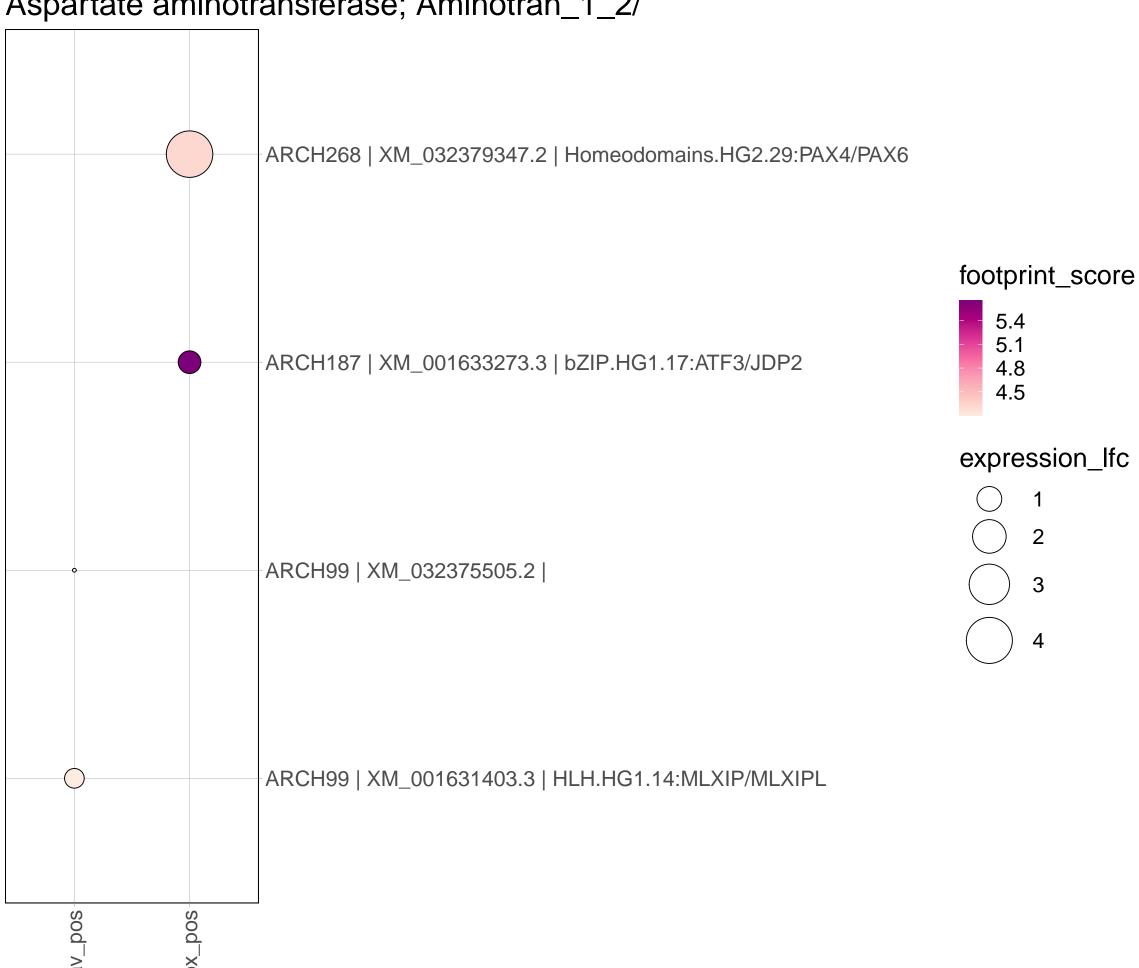
# Nvec\_vc1.1\_XM\_048729870.1 60 kDa lysophospholipase; Asparaginase/Ank\_2/



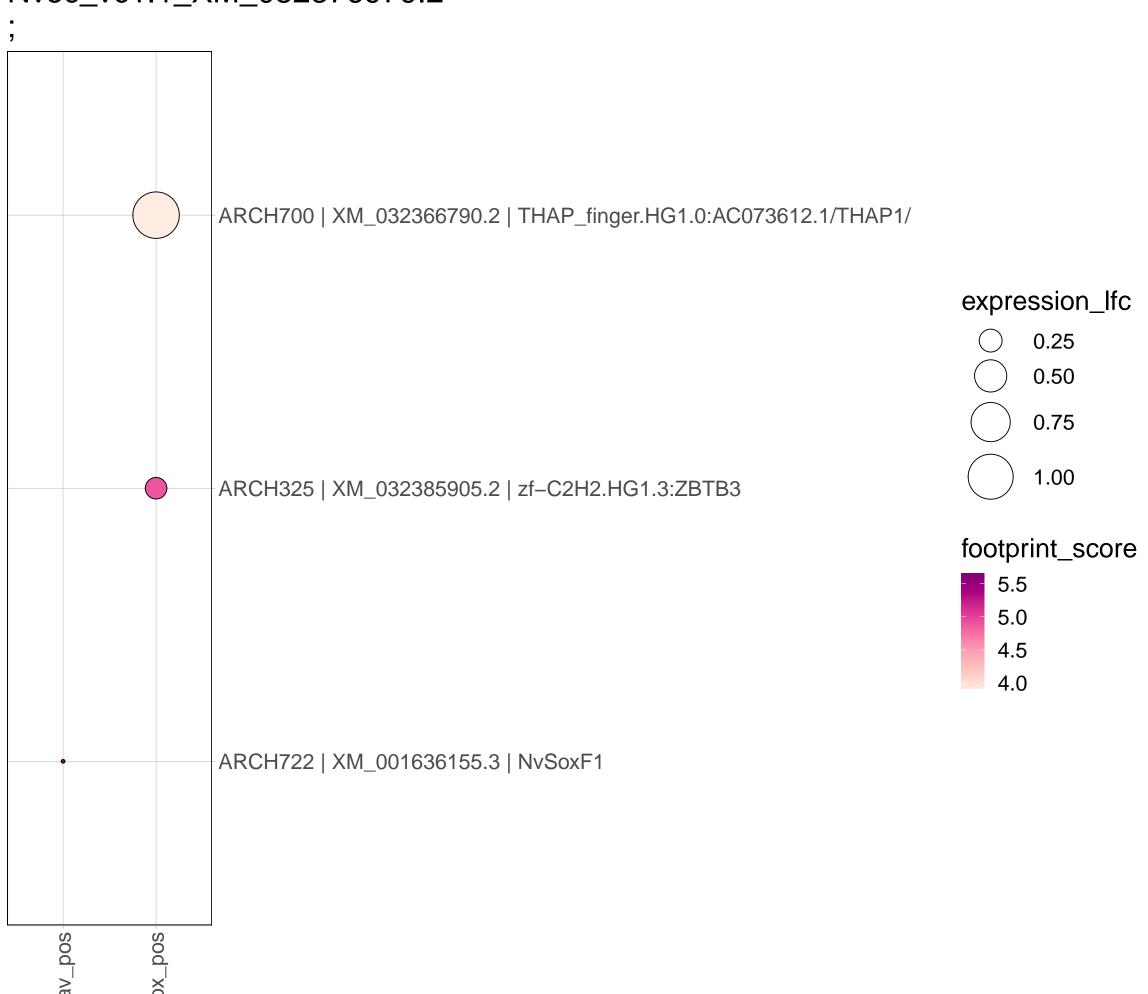
### Nvec\_NVE13928



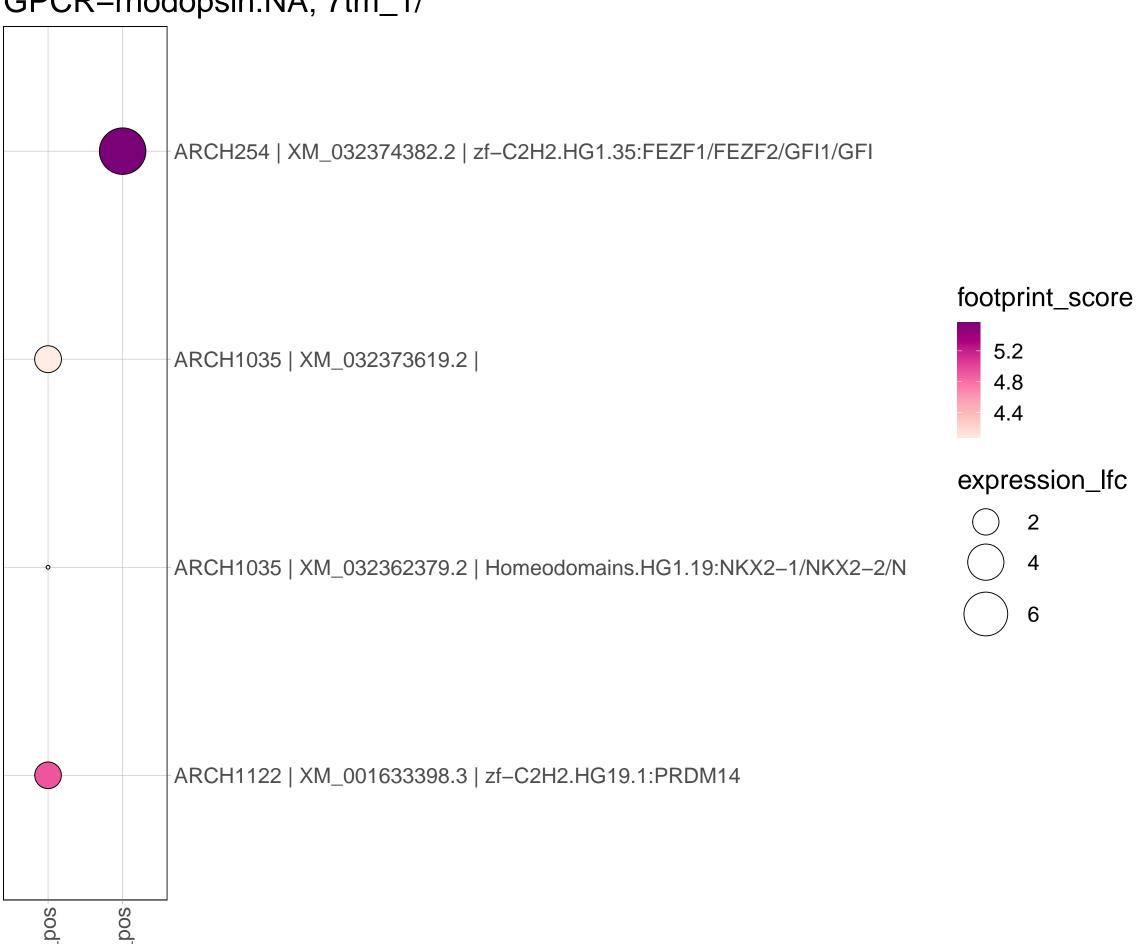
### Nvec\_vc1.1\_XM\_032364349.2 Aspartate aminotransferase; Aminotran\_1\_2/



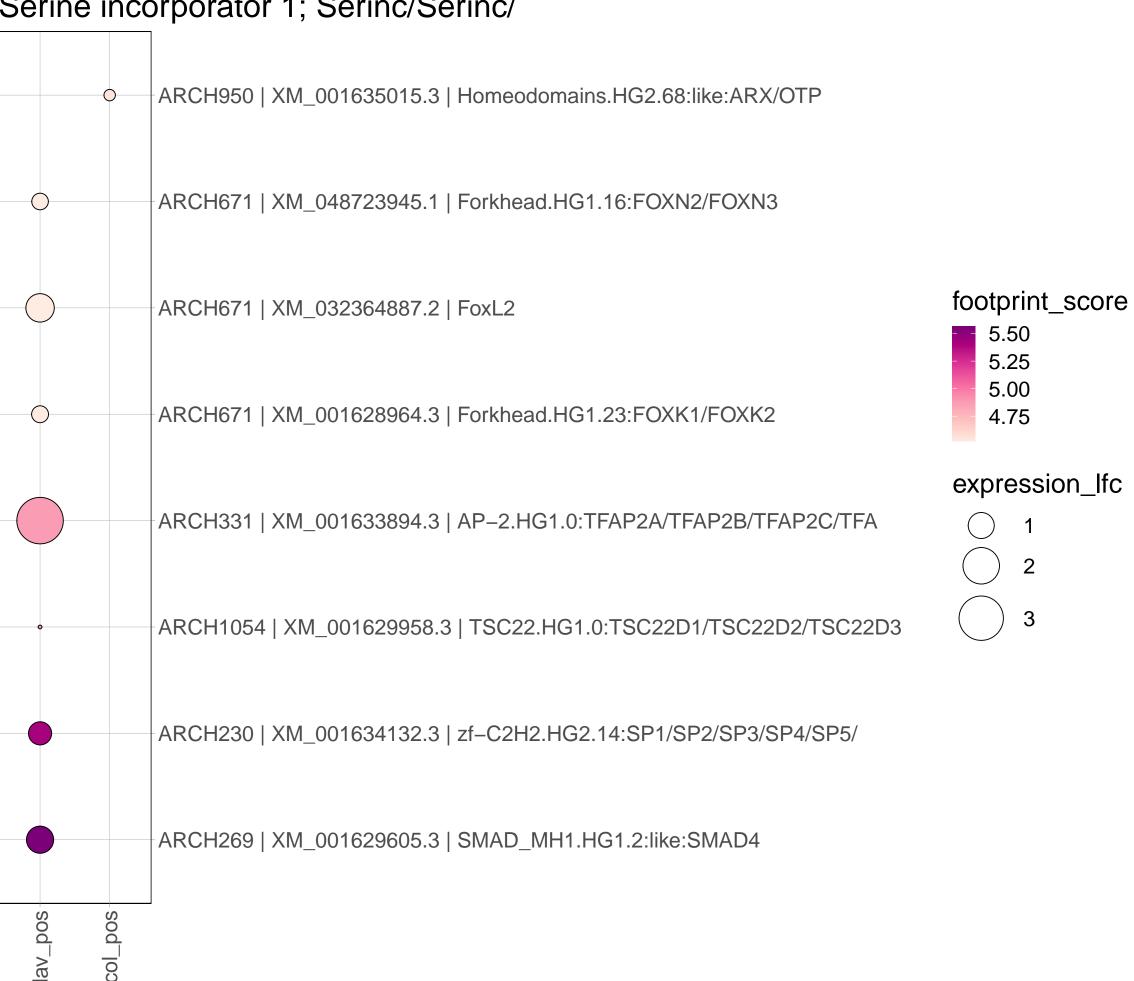
### Nvec\_vc1.1\_XM\_032376979.2



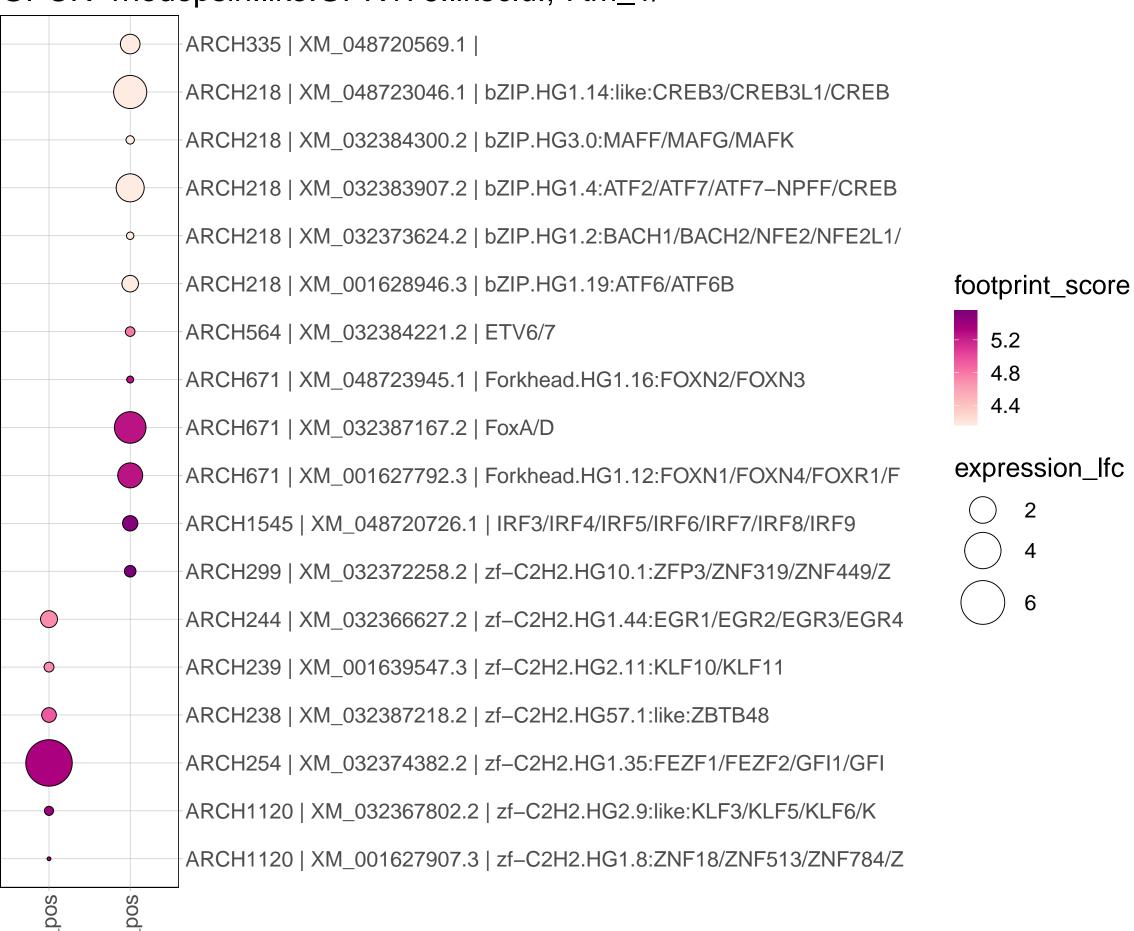
# Nvec\_vc1.1\_XM\_048730108.1 GPCR-rhodopsin:NA; 7tm\_1/



### Nvec\_vc1.1\_XM\_032382511.2 Serine incorporator 1; Serinc/Serinc/



#### Nvec\_vc1.1\_XM\_032382117.2 GPCR-rhodopsin:like:GPR176:likeclu:; 7tm\_1/



### Nvec\_vc1.1\_XM\_032386298.2 GPCR-rhodopsin:NA; 7tm\_1/

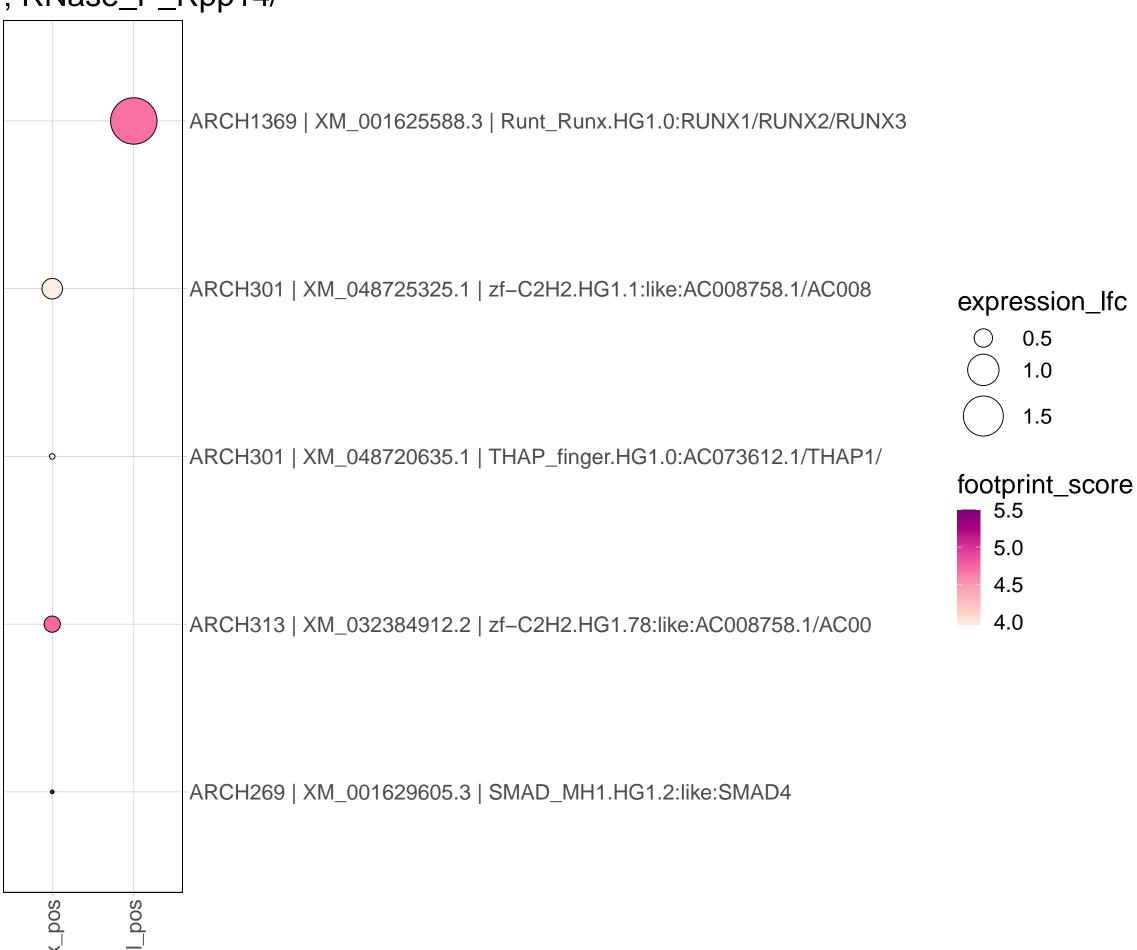


# Nvec\_vc1.1\_XM\_032362299.2 ARCH269 | XM\_001629605.3 | SMAD\_MH1.HG1.2:like:SMAD4 expression\_lfc 1 2 3 ARCH442 | XM\_032378312.2 | zf-C2H2.HG119.1:NA footprint\_score 5.5 5.0 4.5 4.0 ARCH1272 | XM\_032383641.2 | zf-C4\_Nuclear\_receptors.HG1.9:like:

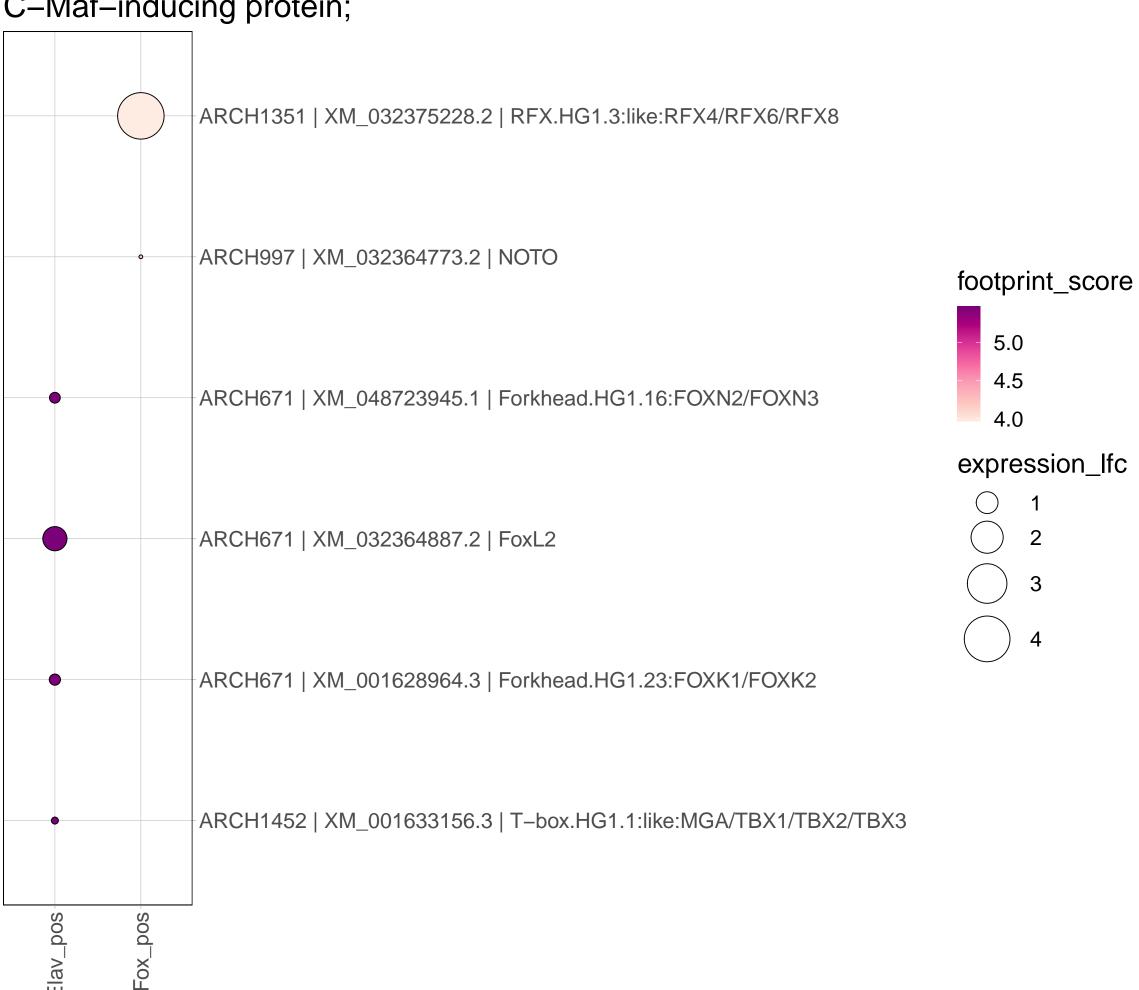
### Nvec\_vc1.1\_XM\_001633615.3 HCG2044780; Kua-UEV1\_localn/



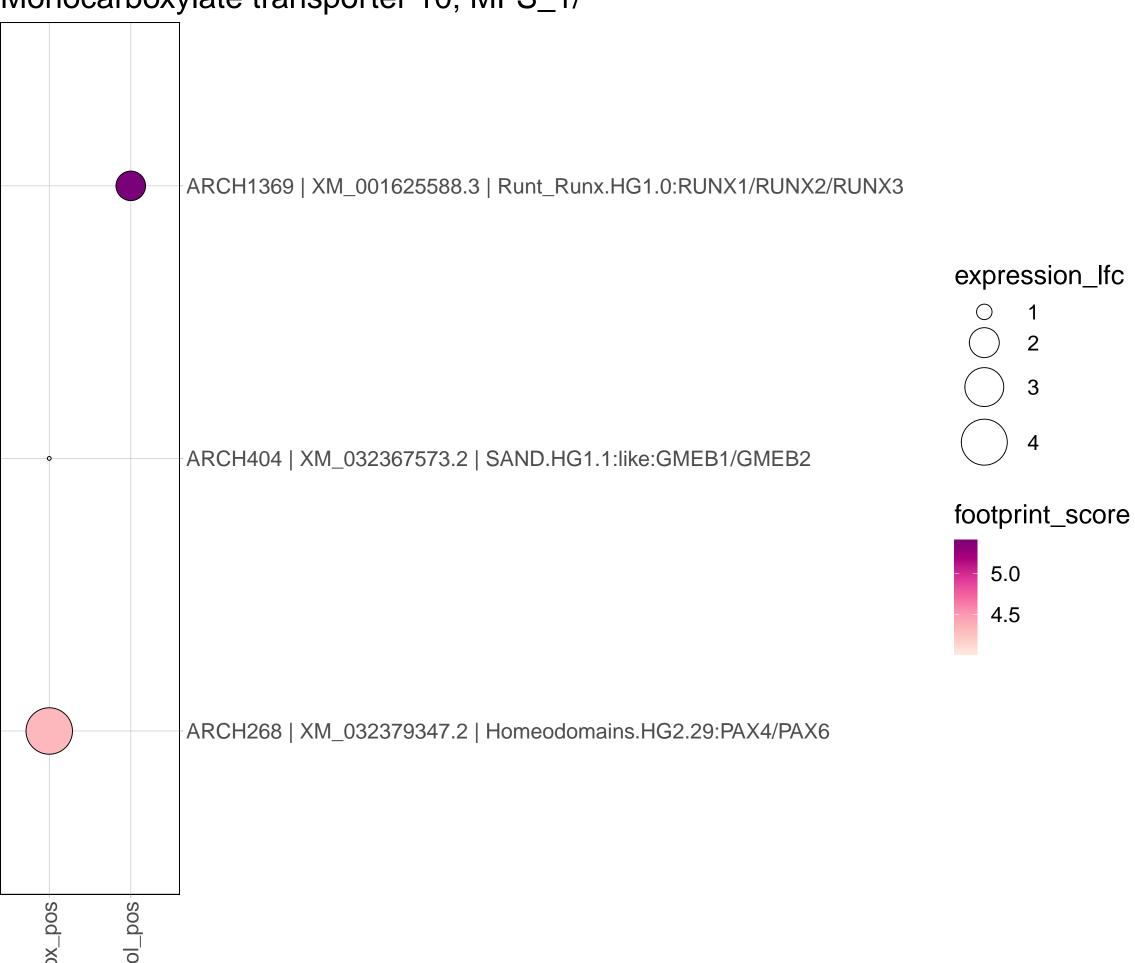
# Nvec\_vc1.1\_XM\_001636545.3; RNase\_P\_Rpp14/



# Nvec\_vc1.1\_XM\_048720443.1 C-Maf-inducing protein;



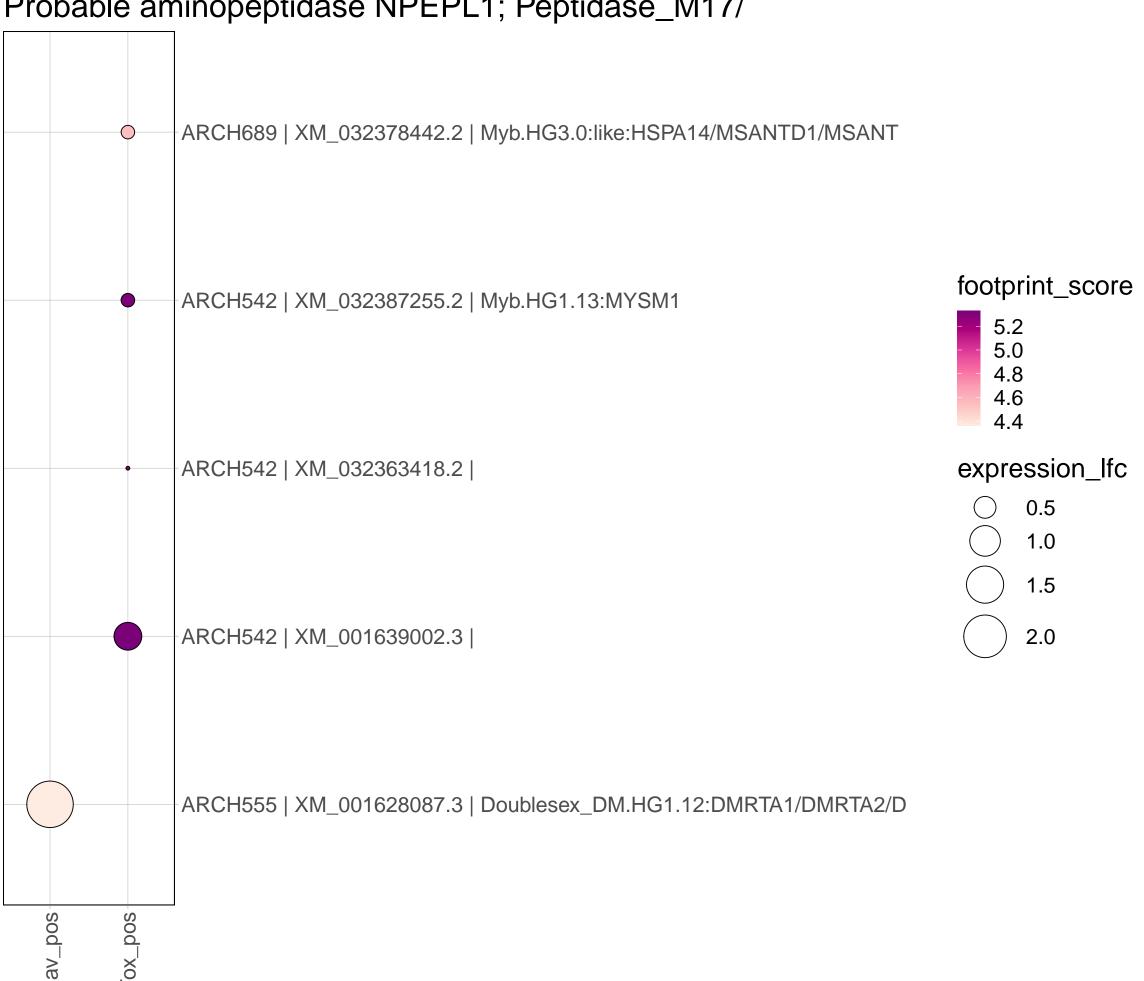
### Nvec\_vc1.1\_XM\_032384695.2 Monocarboxylate transporter 10; MFS\_1/



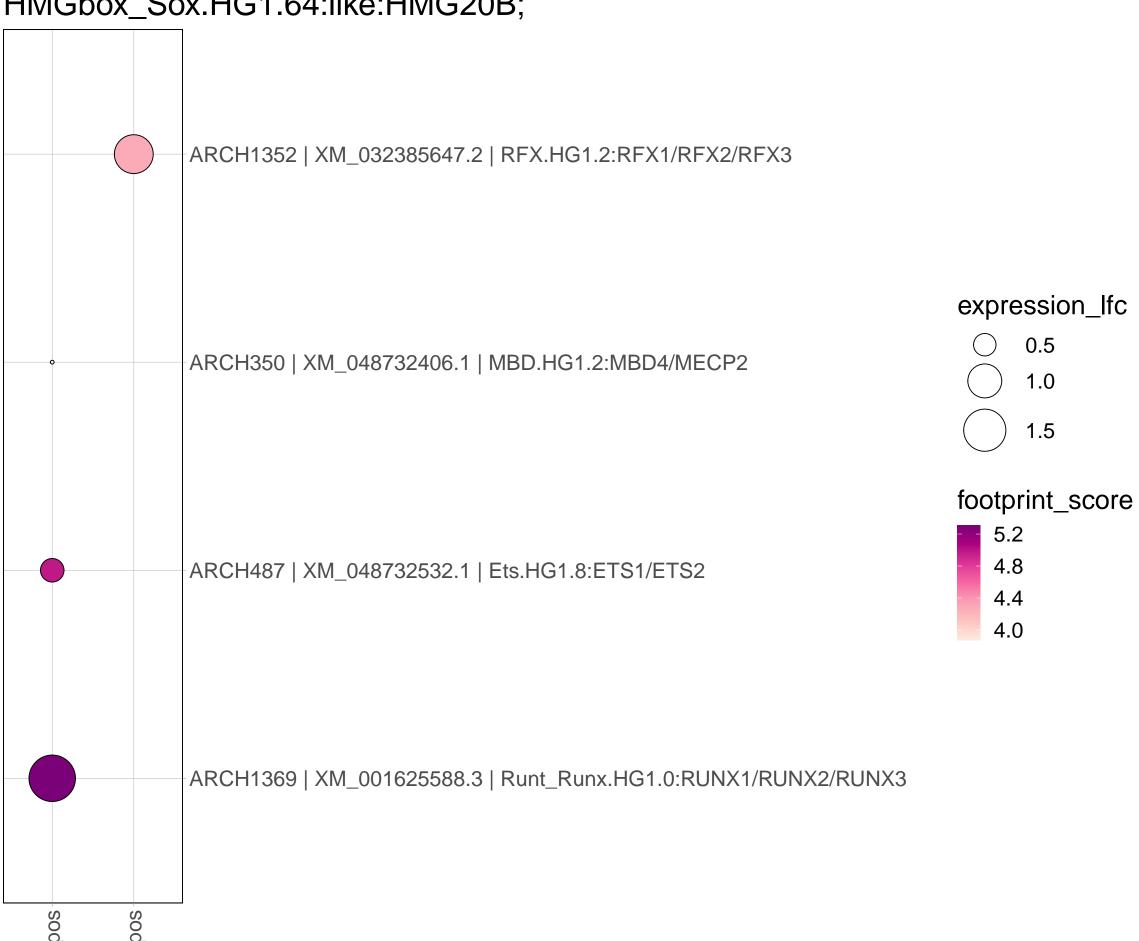
### Nvec\_vc1.1\_XM\_048731044.1



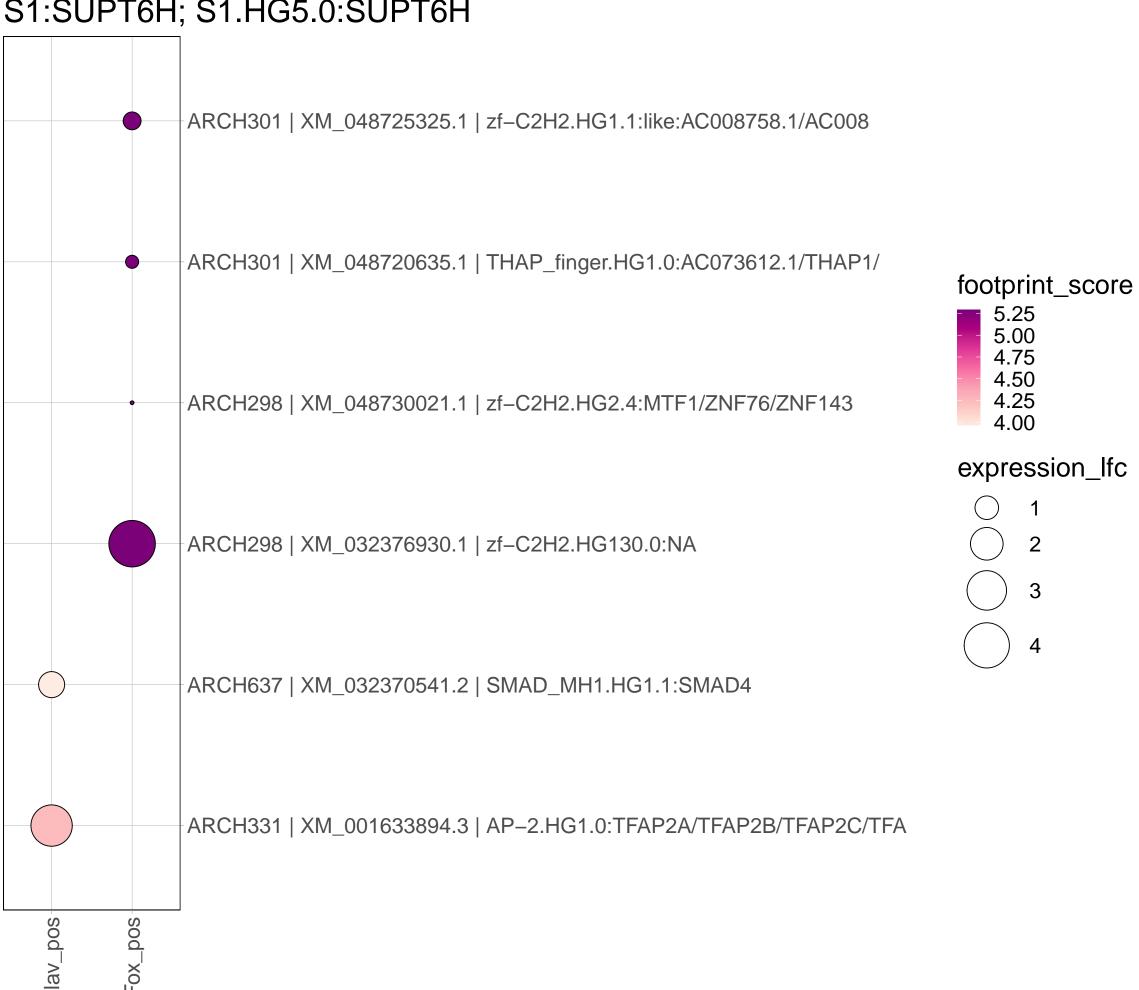
### Nvec\_vc1.1\_XM\_001629129.3 Probable aminopeptidase NPEPL1; Peptidase\_M17/



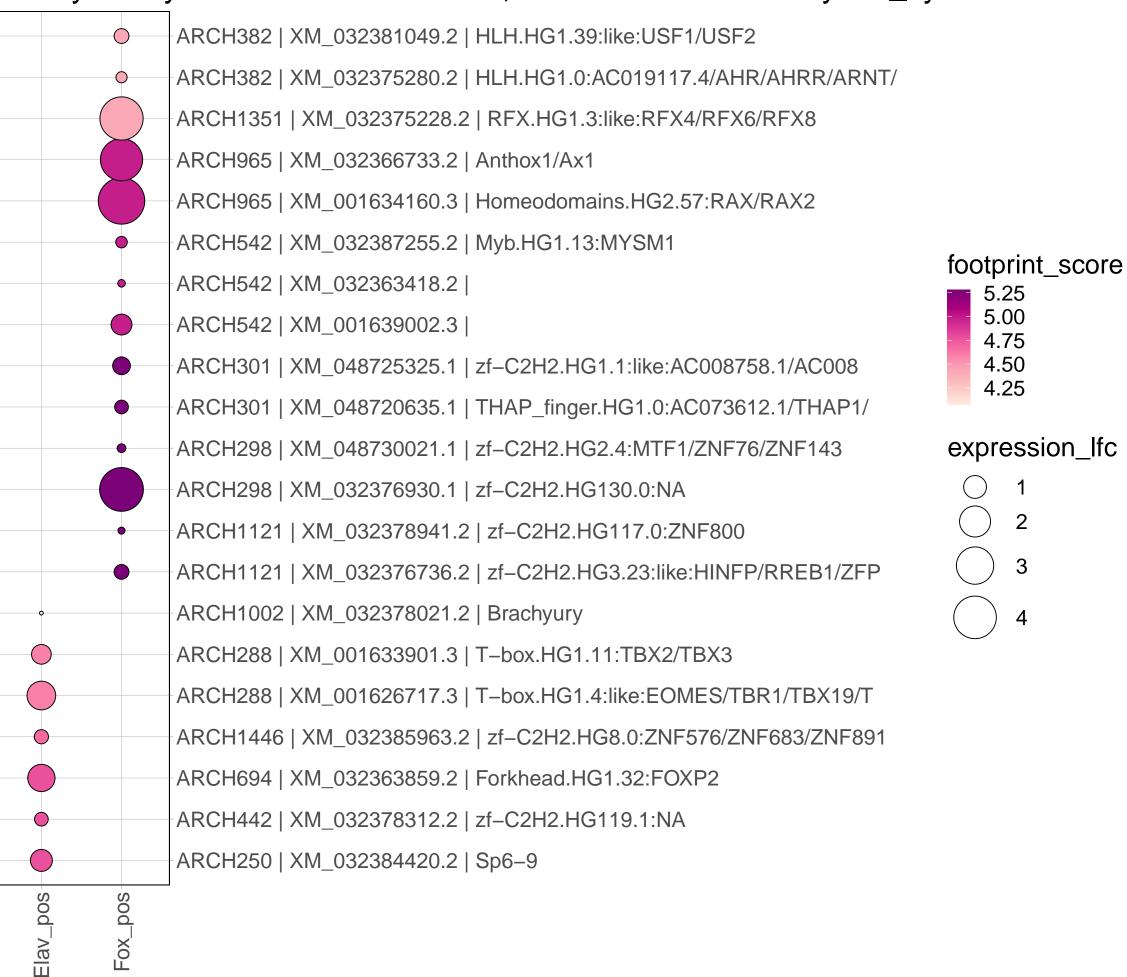
### Nvec\_vc1.1\_XM\_032364225.2 HMGbox\_Sox.HG1.64:like:HMG20B;

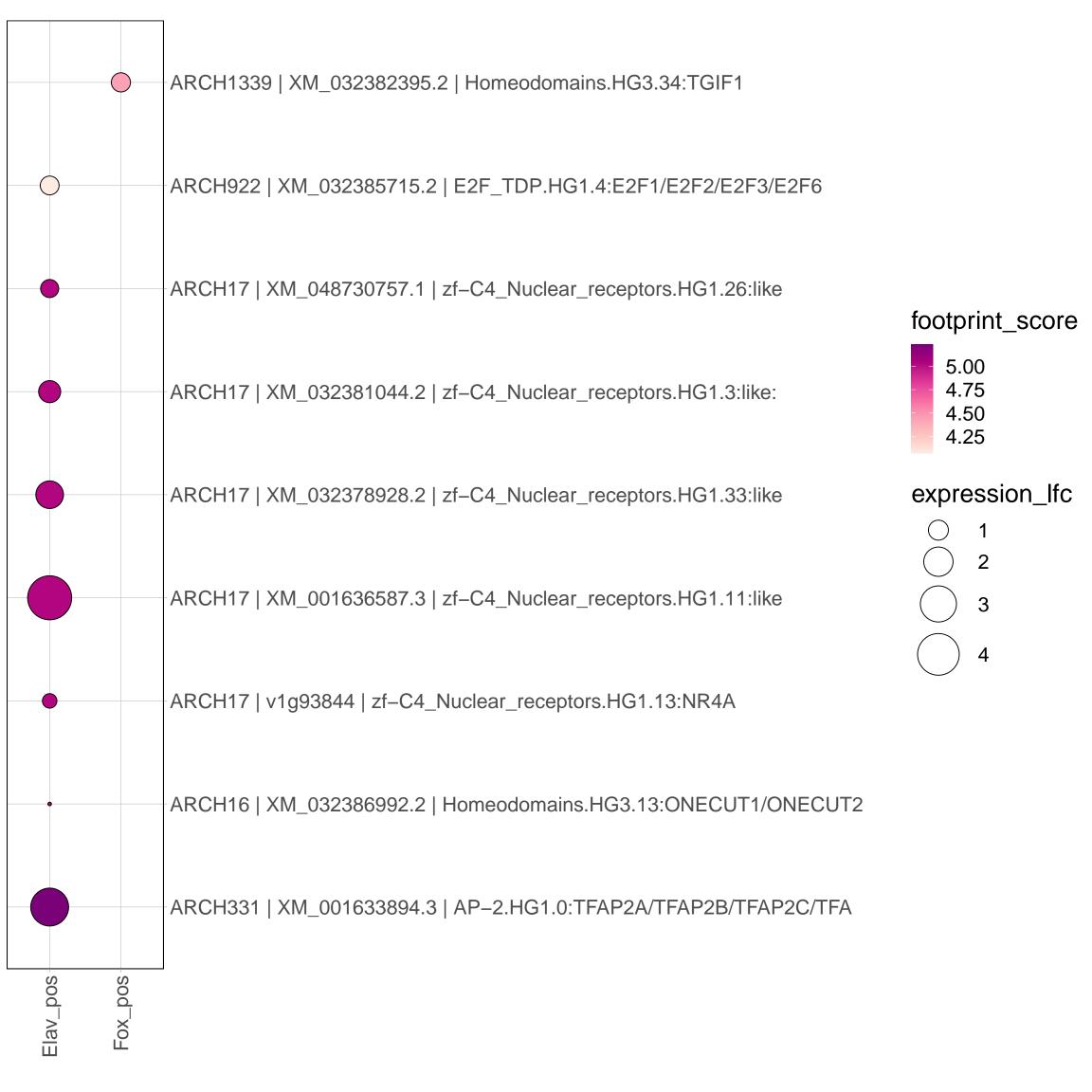


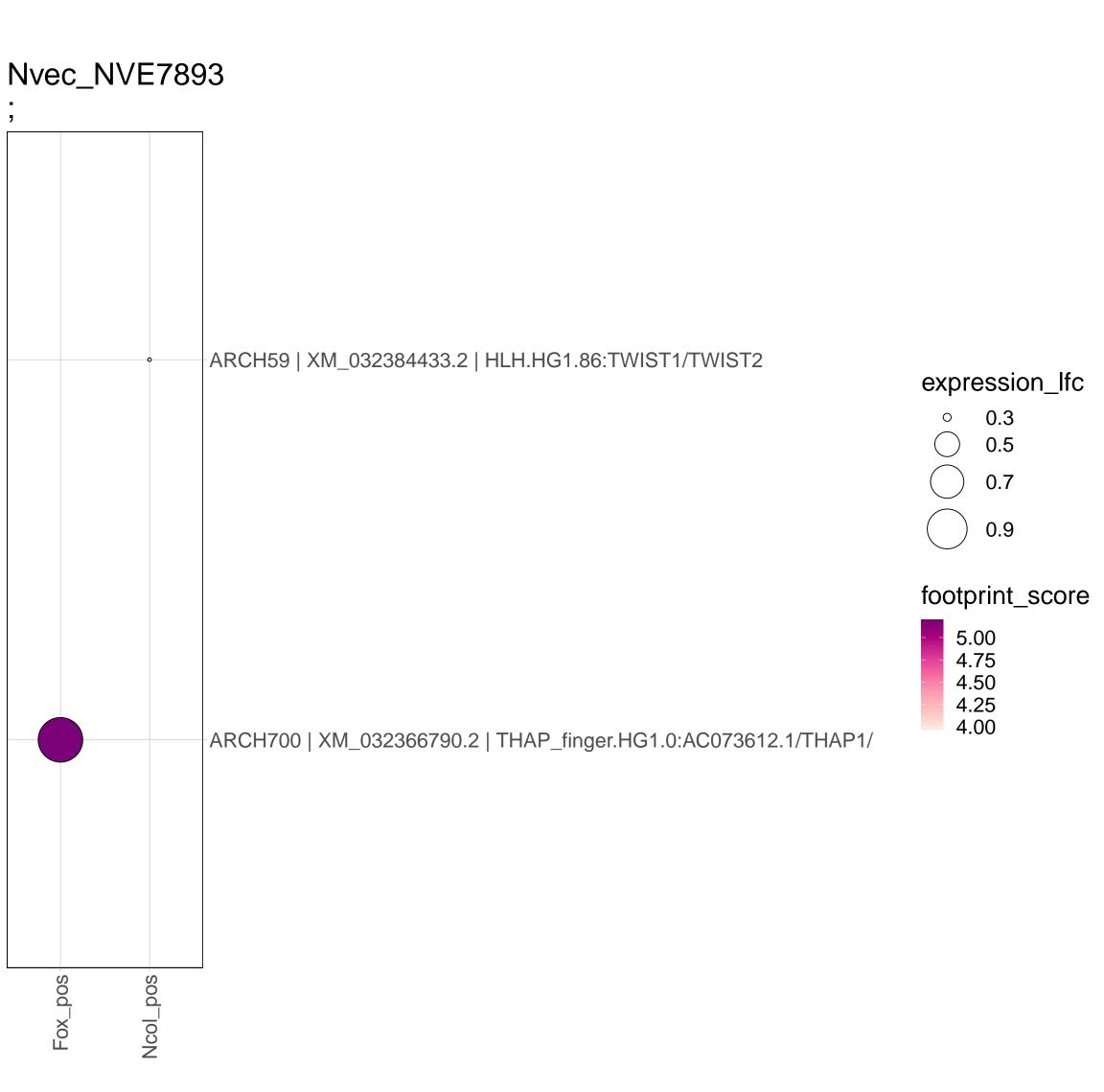
#### Nvec\_vc1.1\_XM\_032373148.2 S1:SUPT6H; S1.HG5.0:SUPT6H



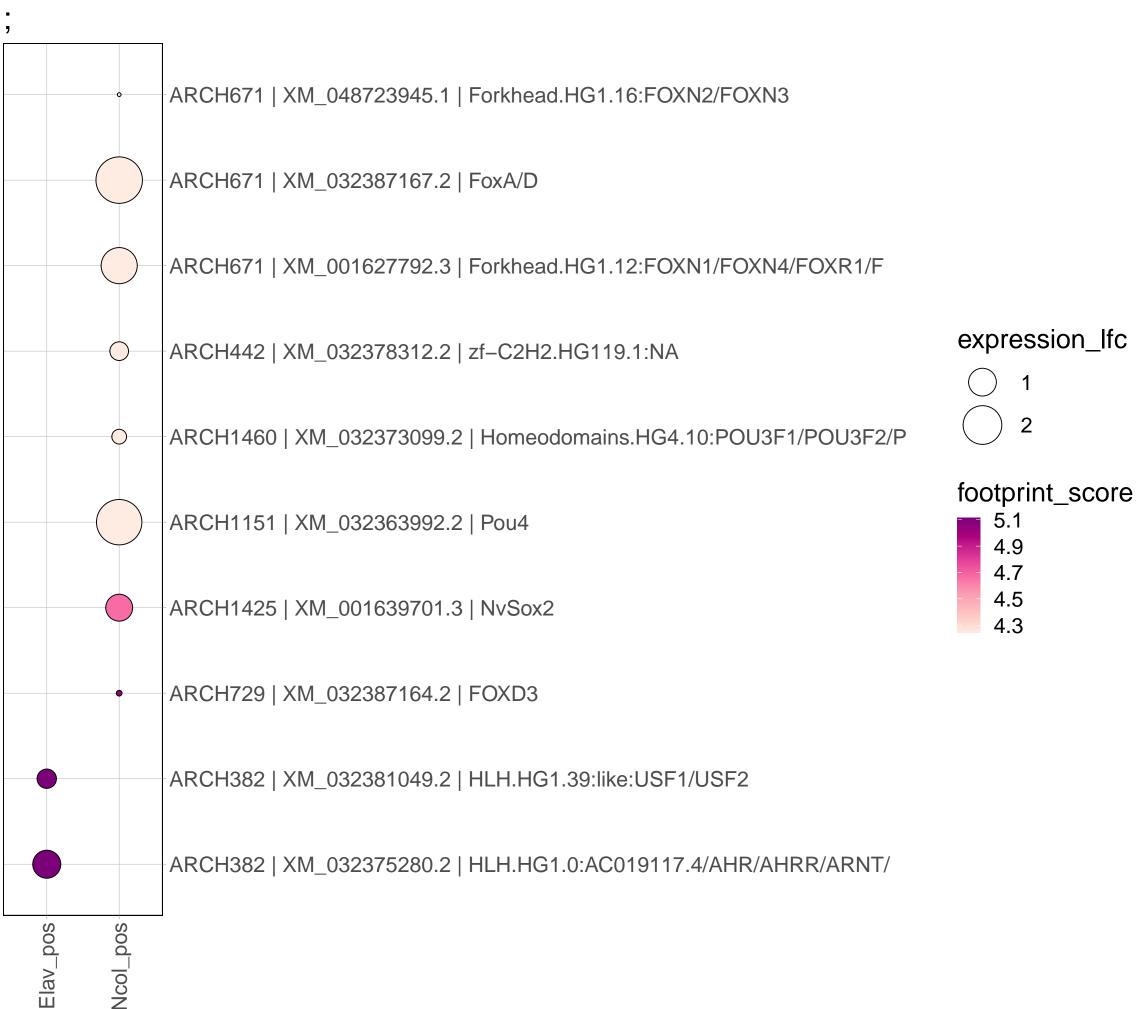
### Nvec\_vc1.1\_XM\_032381433.2 Guanylate cyclase soluble subunit b; HNOB/HNOBA/Guanylate\_cyc/



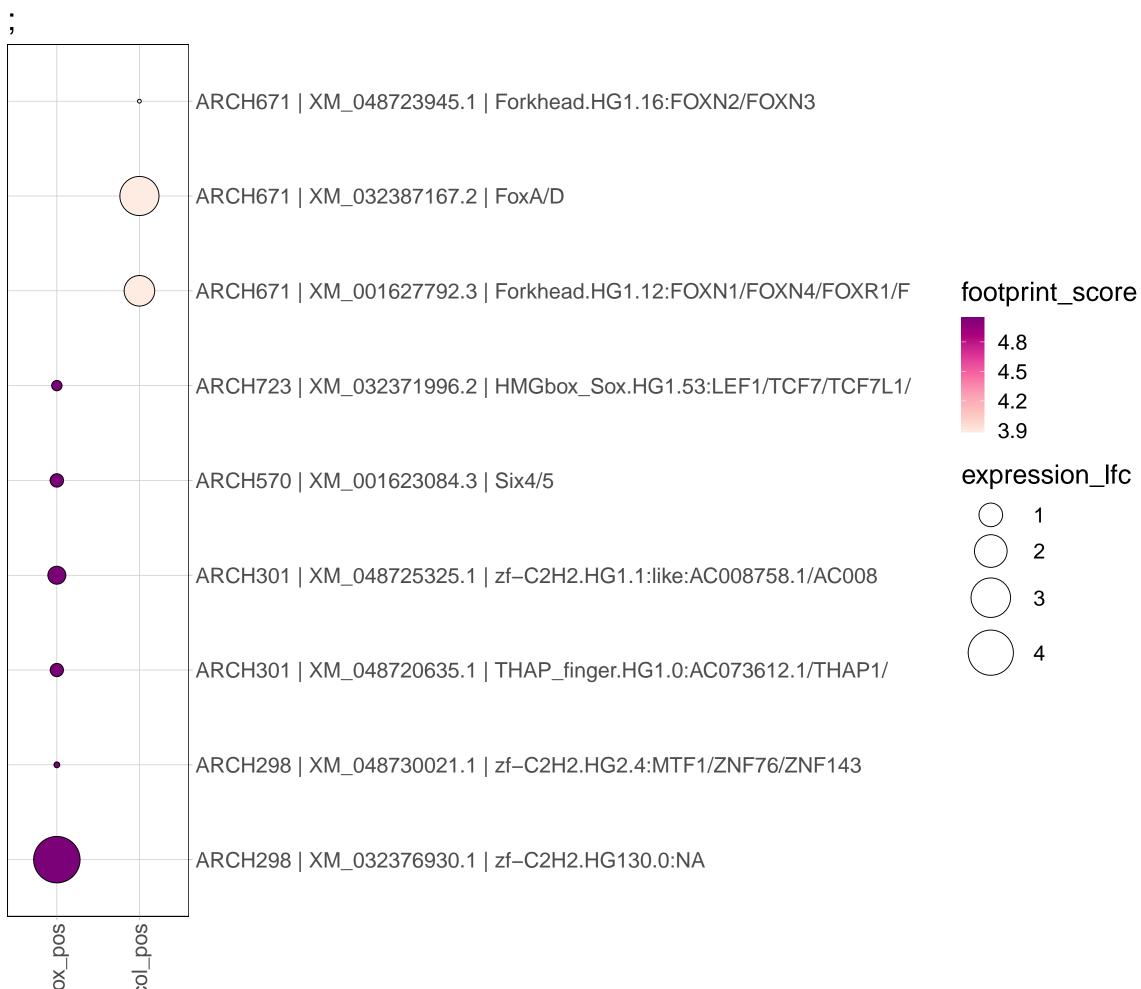




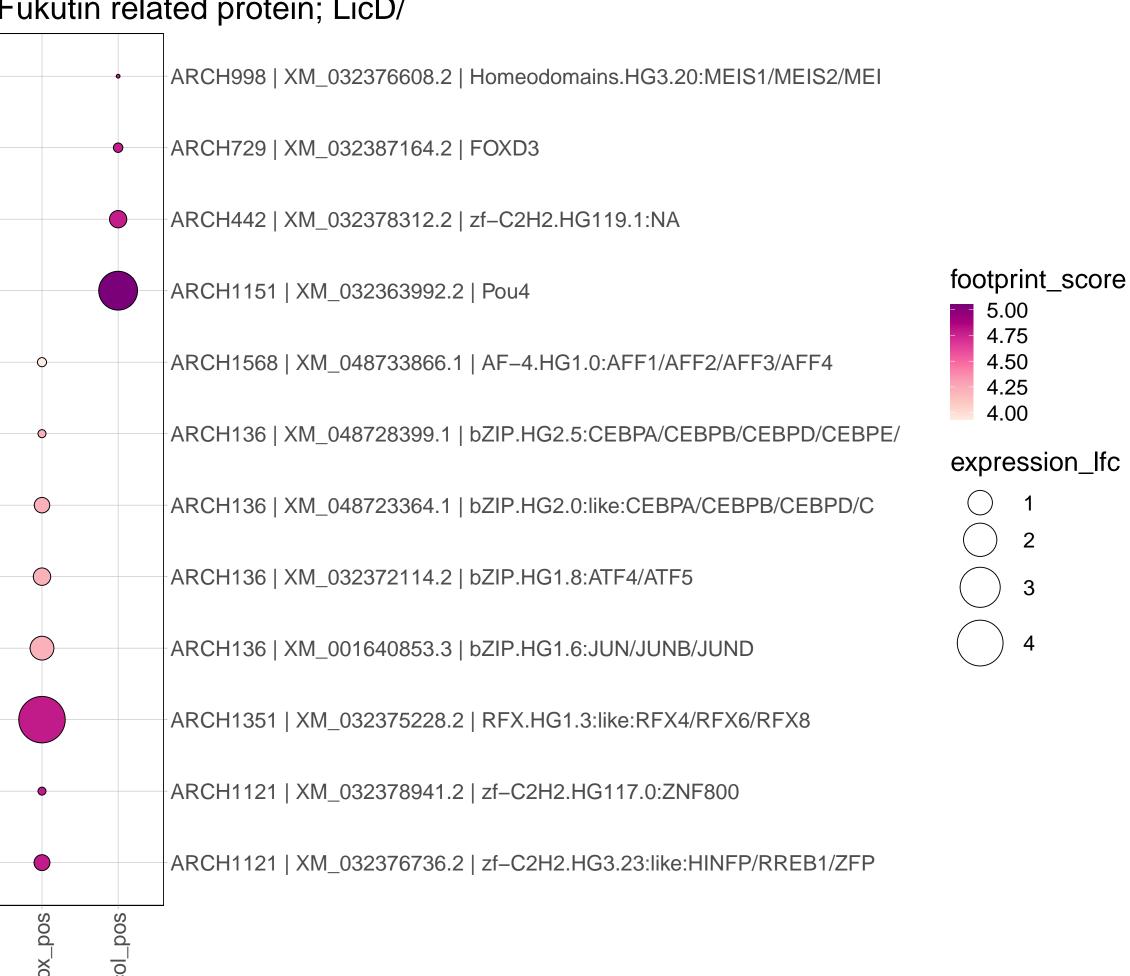
#### Nvec\_vc1.1\_XM\_032372214.2



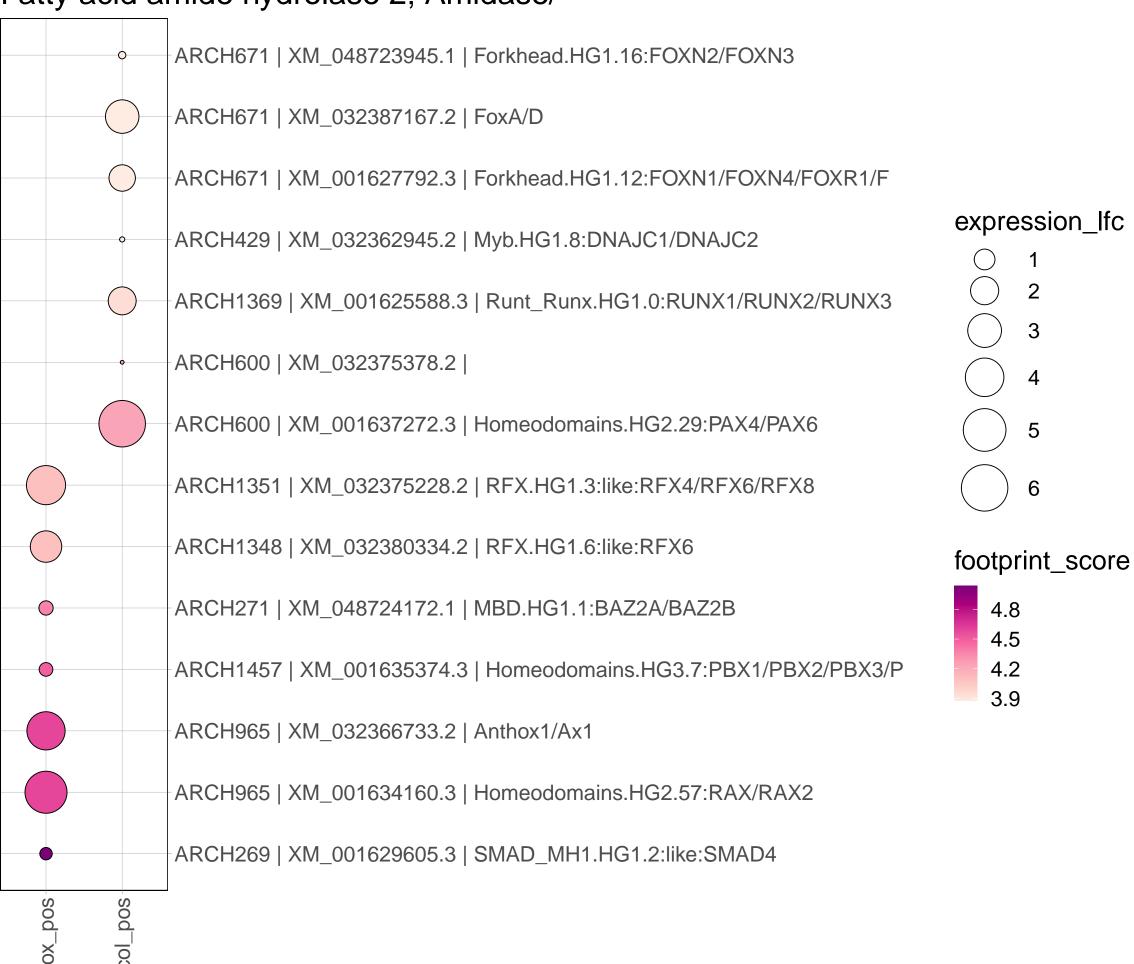
#### Nvec\_vc1.1\_XM\_048730962.1



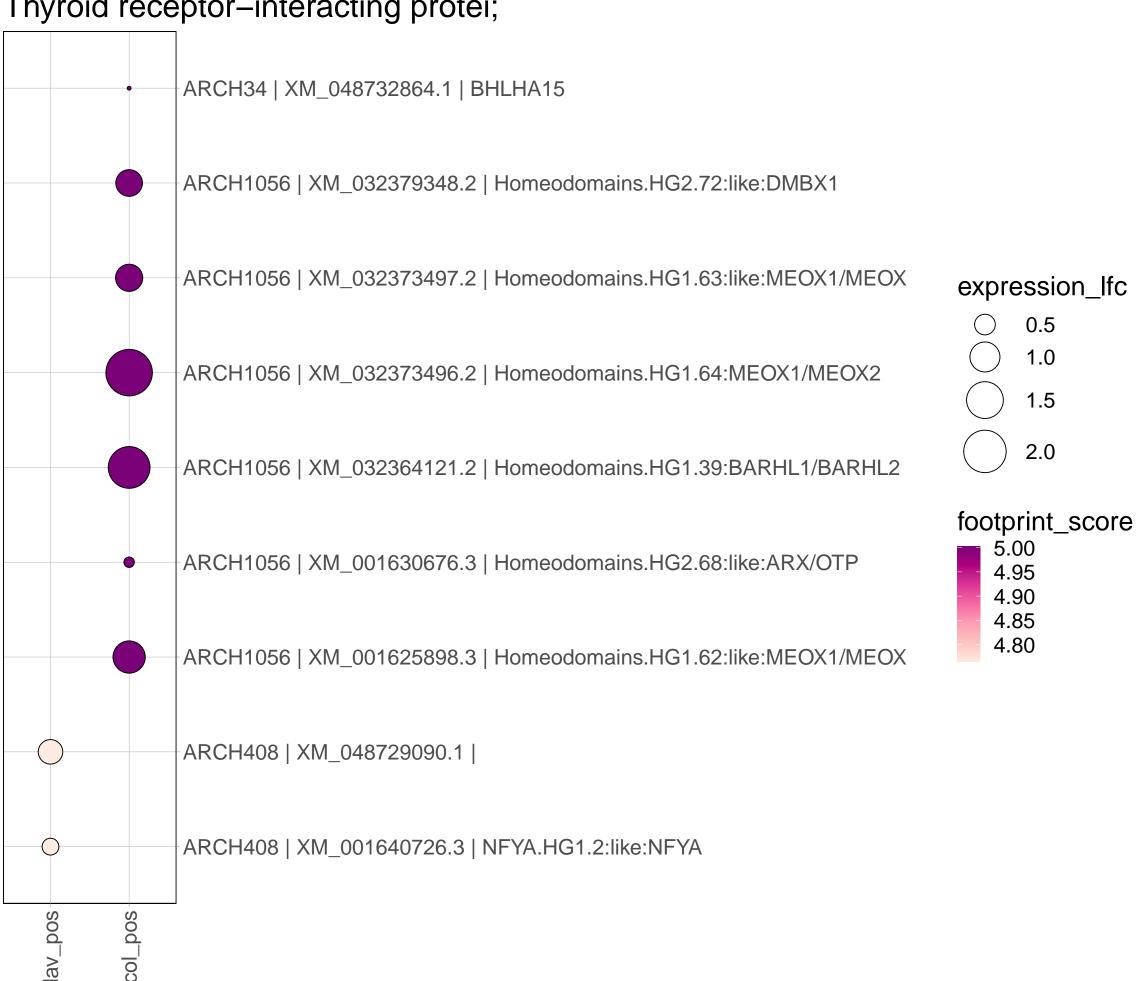
### Nvec\_vc1.1\_XM\_001637616.3 Fukutin related protein; LicD/



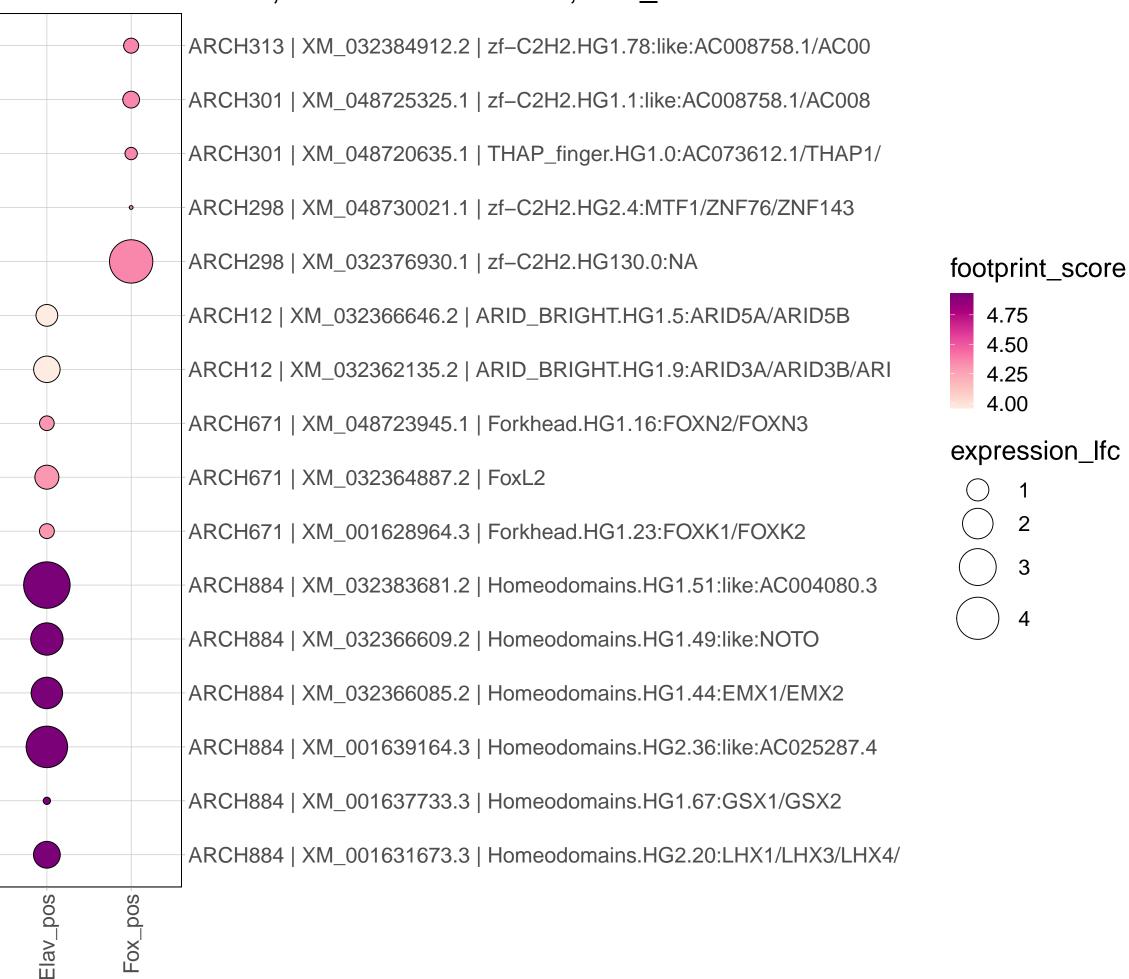
### Nvec\_vc1.1\_XM\_001628059.3 Fatty acid amide hydrolase 2; Amidase/



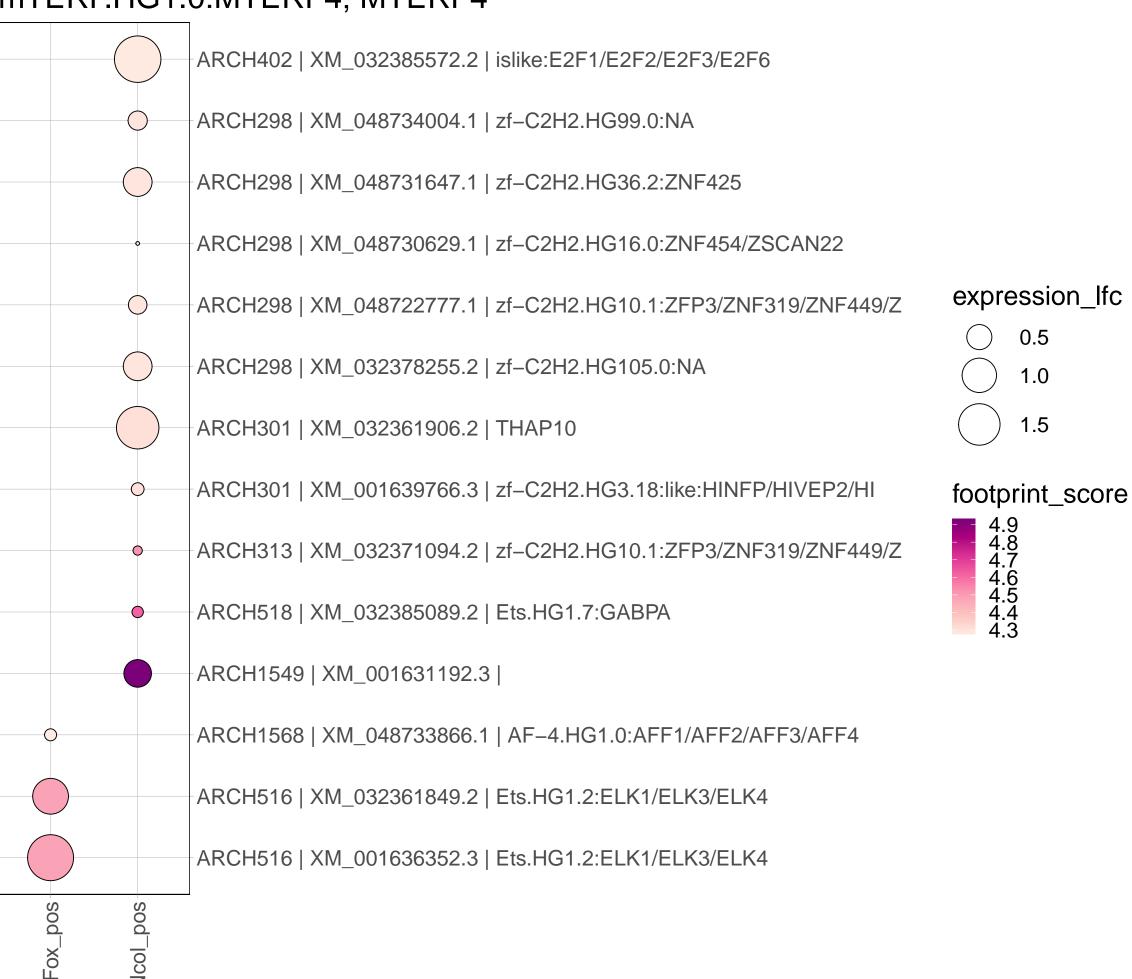
# Nvec\_vc1.1\_XM\_048730184.1 Thyroid receptor—interacting protei;



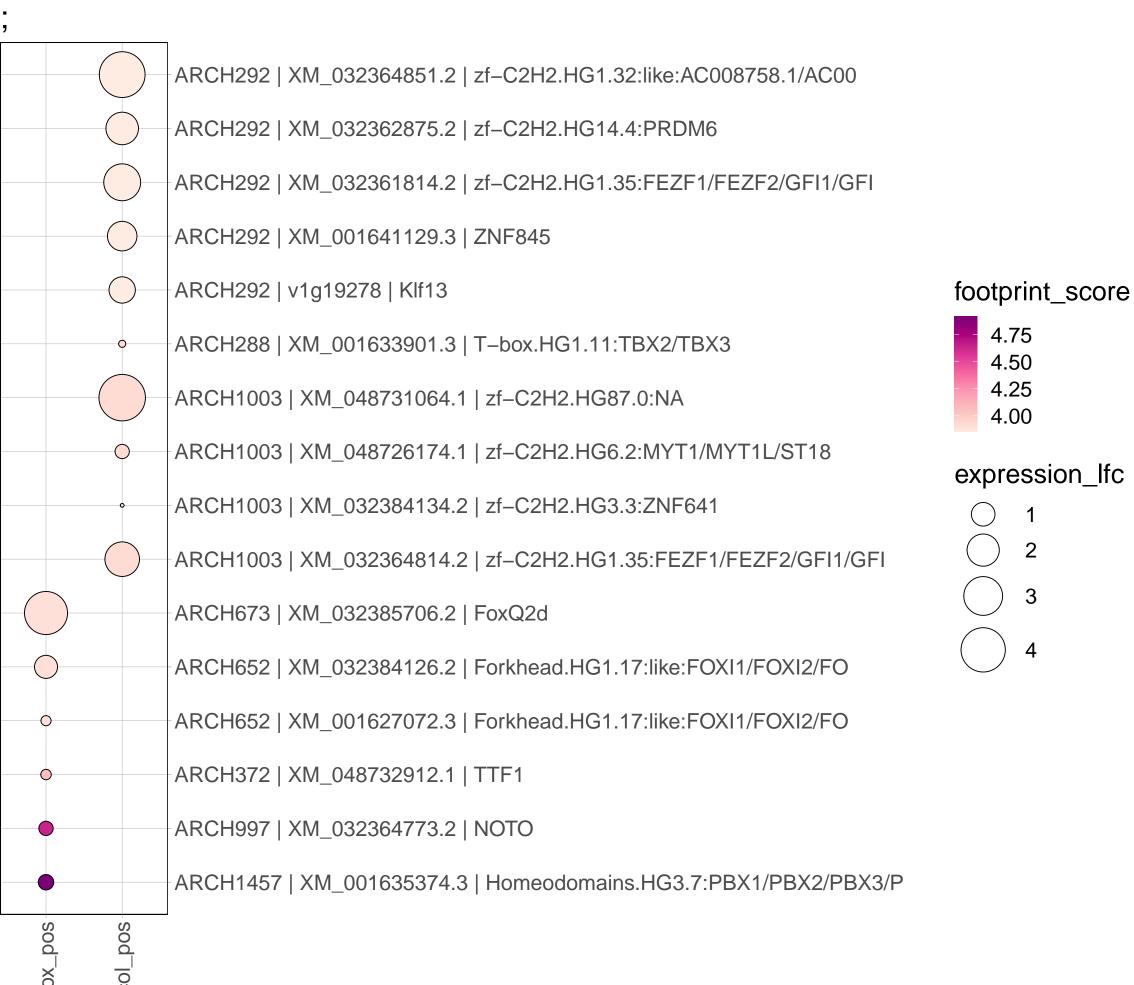
## Nvec\_vc1.1\_XM\_048724823.1 cDNA FLJ14638 fis, clone NT2RP20013; Lon\_C/



### Nvec\_vc1.1\_XM\_001641783.3 mTERF.HG1.0:MTERF4; MTERF4

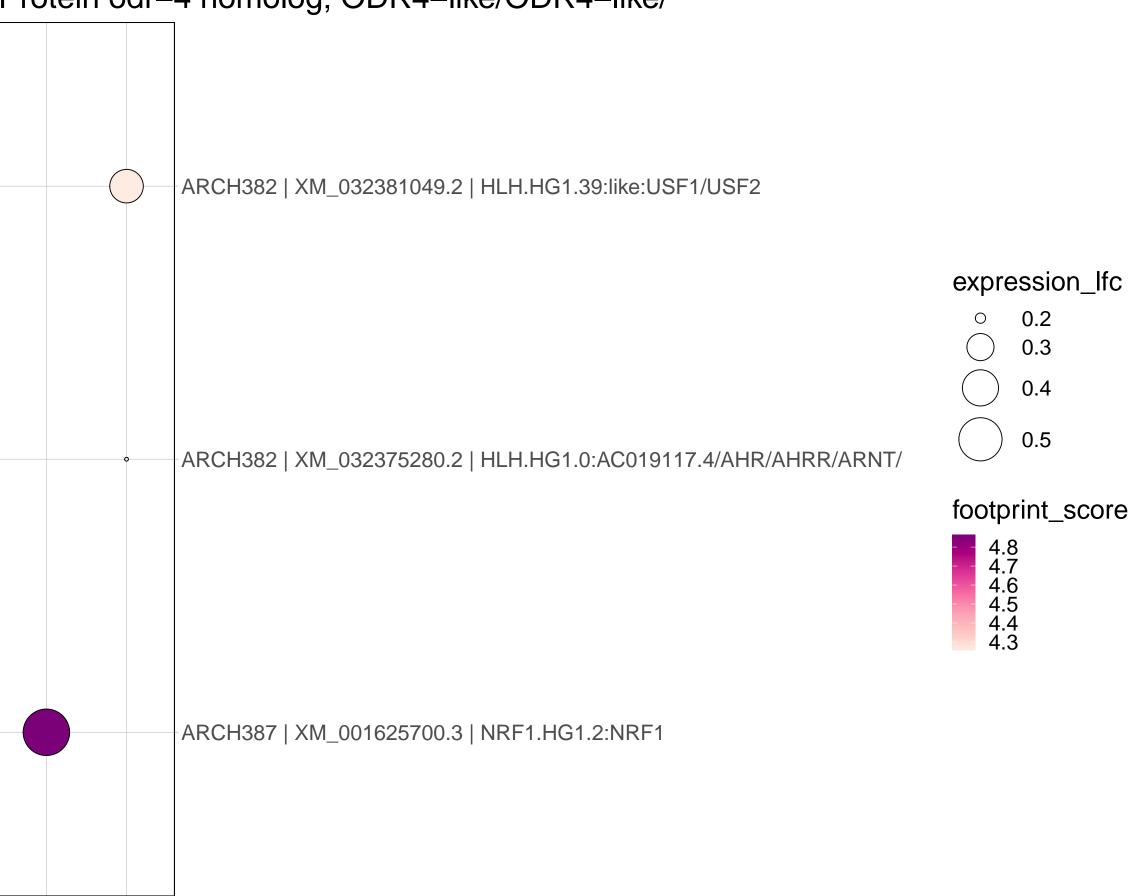


#### Nvec\_vc1.1\_XM\_032374380.2

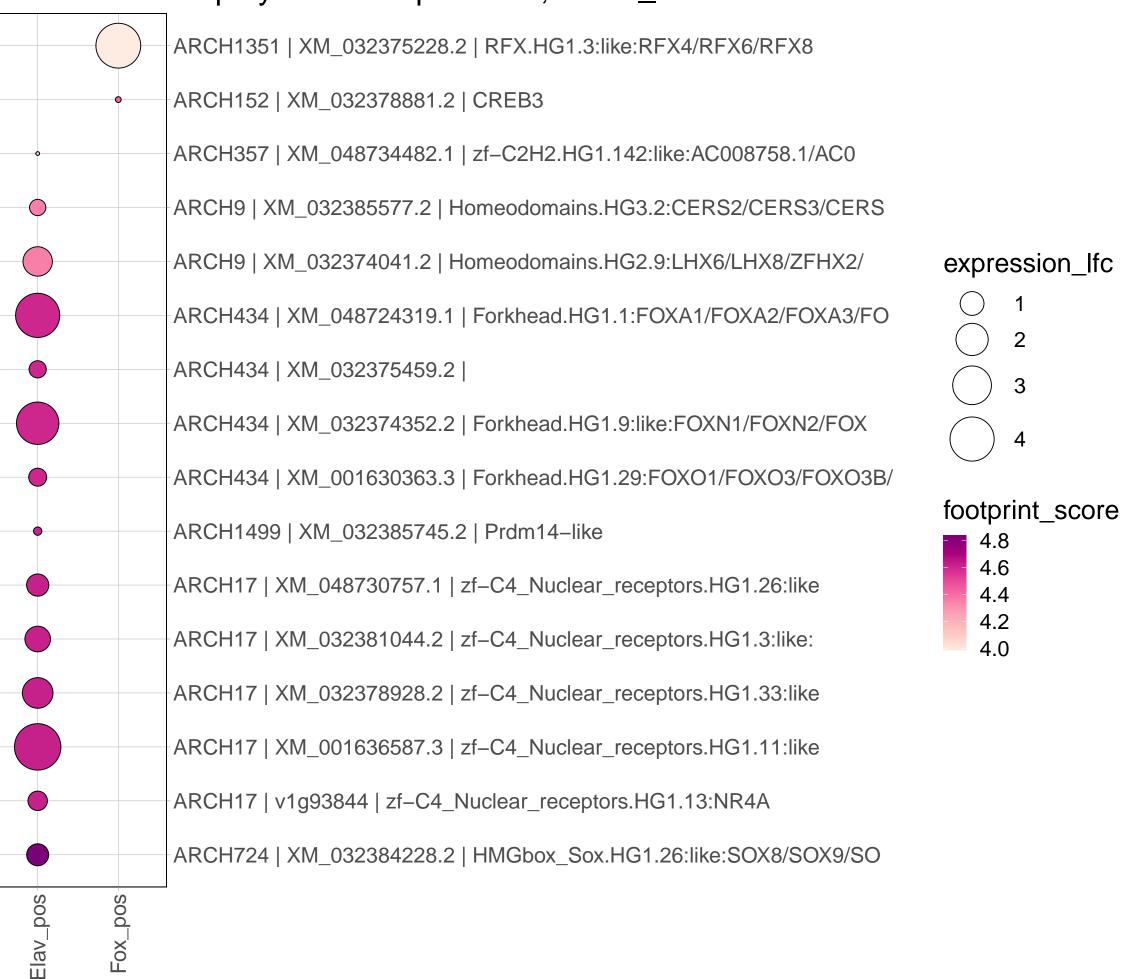


#### Nvec\_vc1.1\_XM\_032384990.2 Protein odr-4 homolog; ODR4-like/ODR4-like/

Fox\_pos

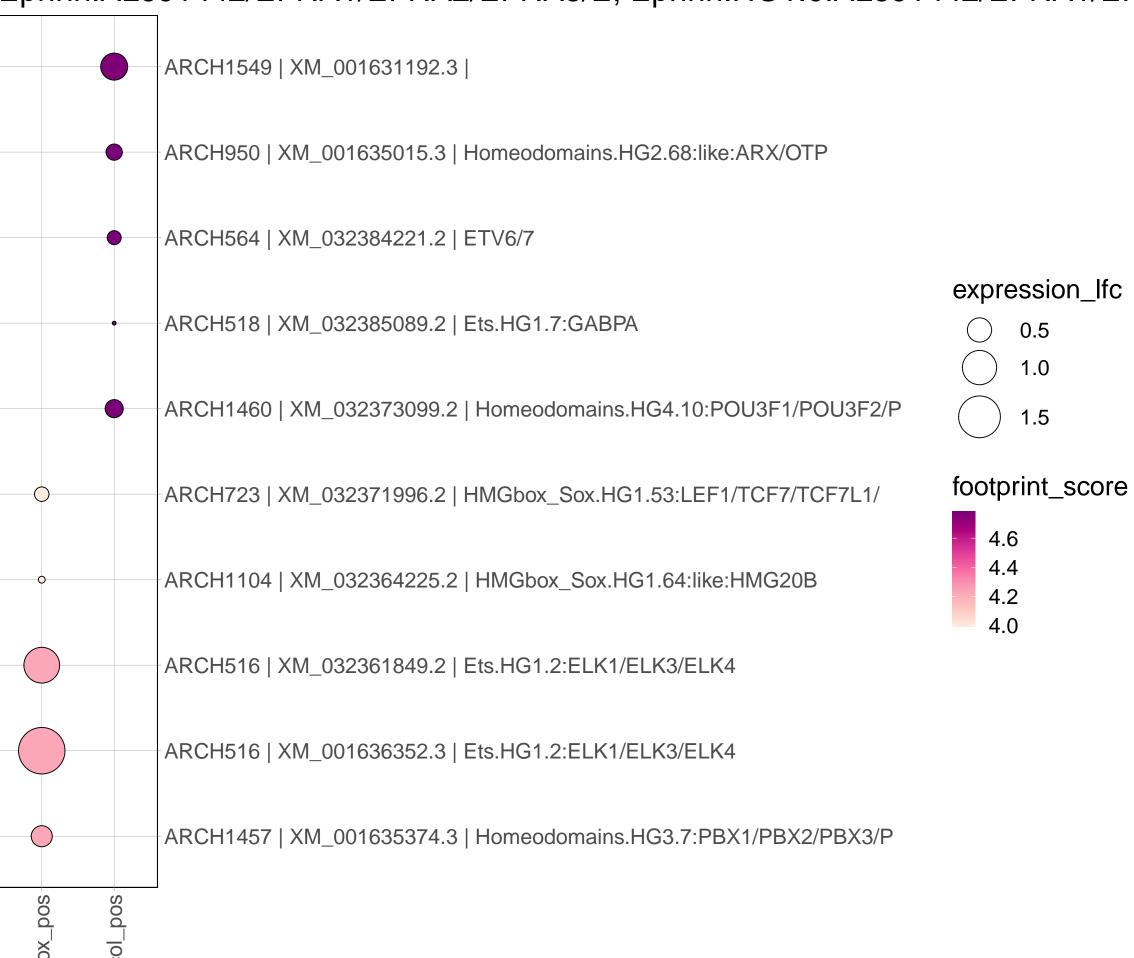


### Nvec\_vc1.1\_XM\_048729479.1 TAF5-like RNA polymerase II p300/CB; TFIID\_90kDa/WD40/WD40/WD40/WD40

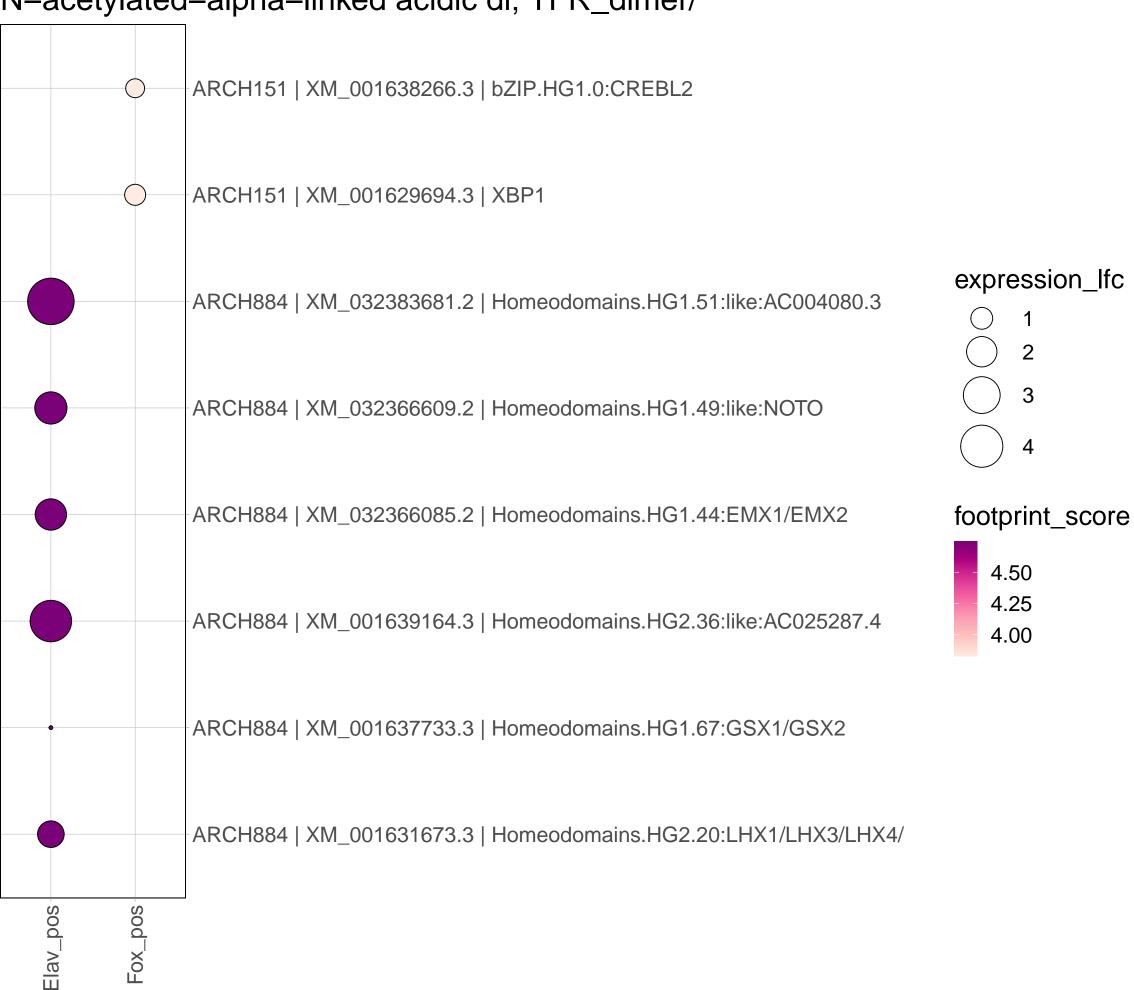


#### Nvec\_vc1.1\_XM\_001639817.3

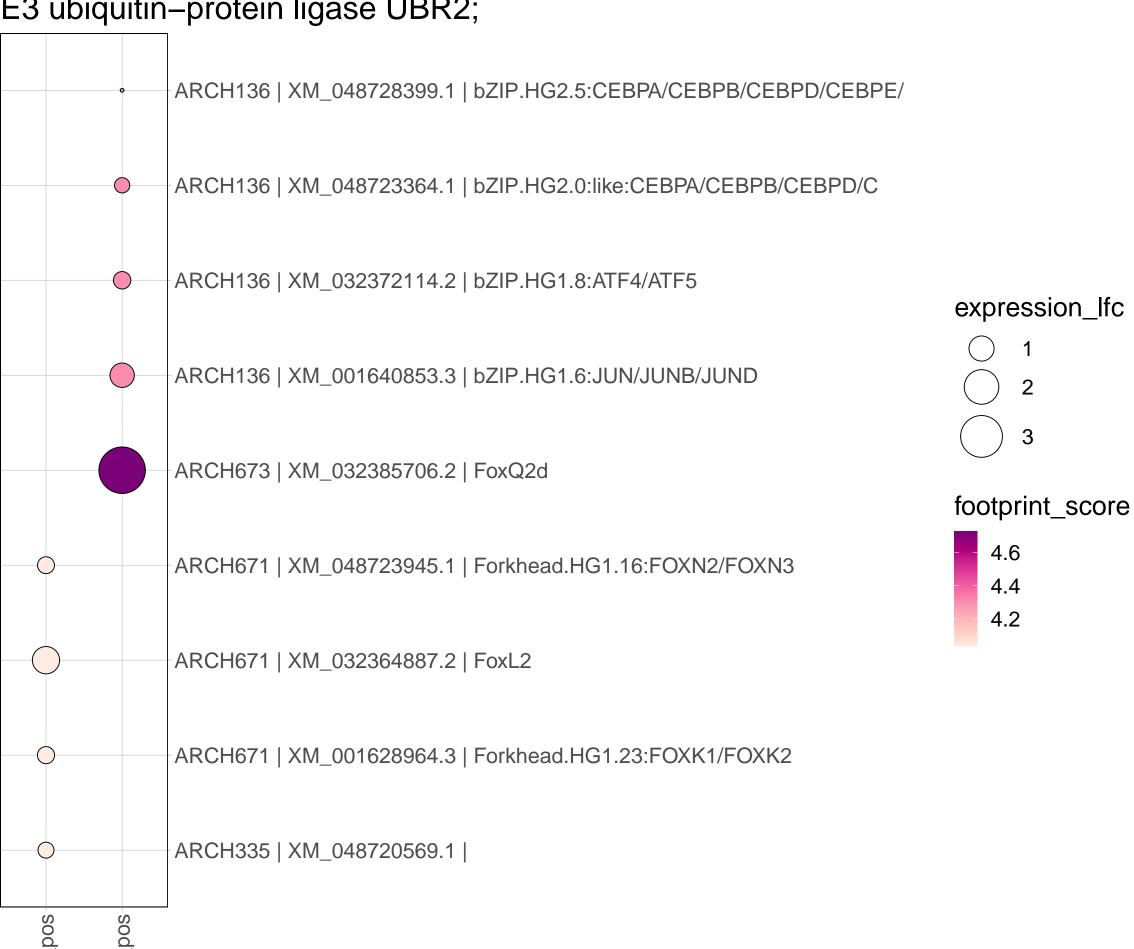
Ephrin:AL691442/EFNA1/EFNA2/EFNA3/E; Ephrin.HG1.0:AL691442/EFNA1/EF



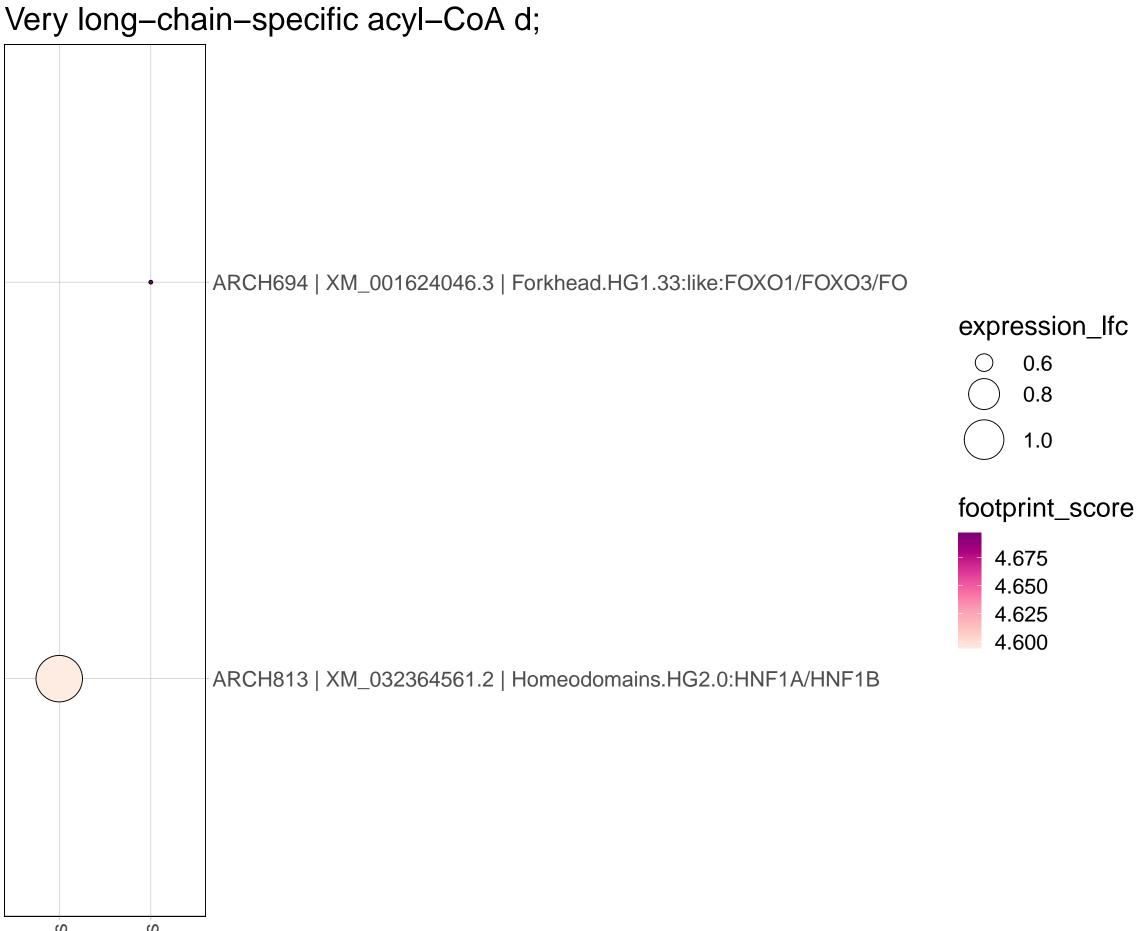
#### Nvec\_vc1.1\_XM\_032366492.2 N-acetylated-alpha-linked acidic di; TFR\_dimer/



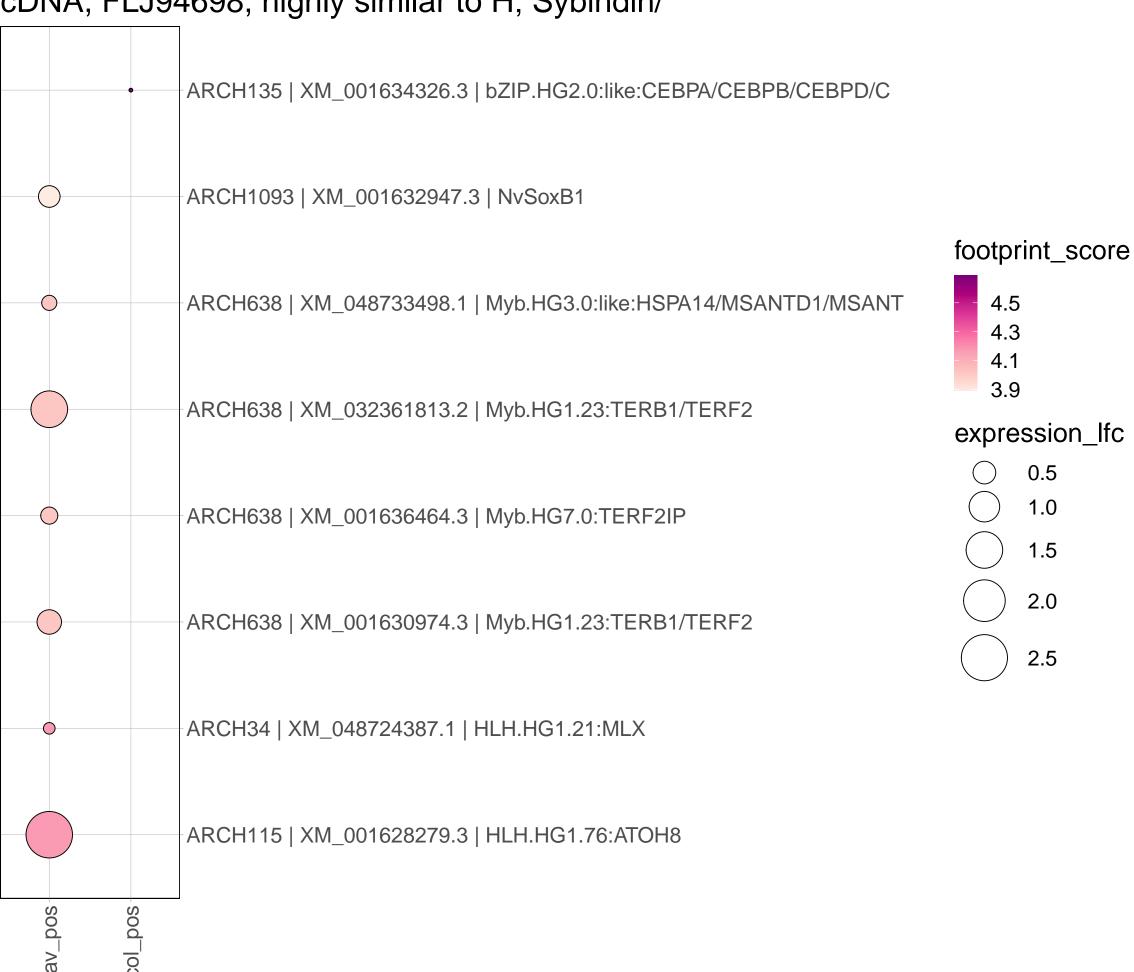
# Nvec\_vc1.1\_XM\_048729868.1 E3 ubiquitin-protein ligase UBR2;



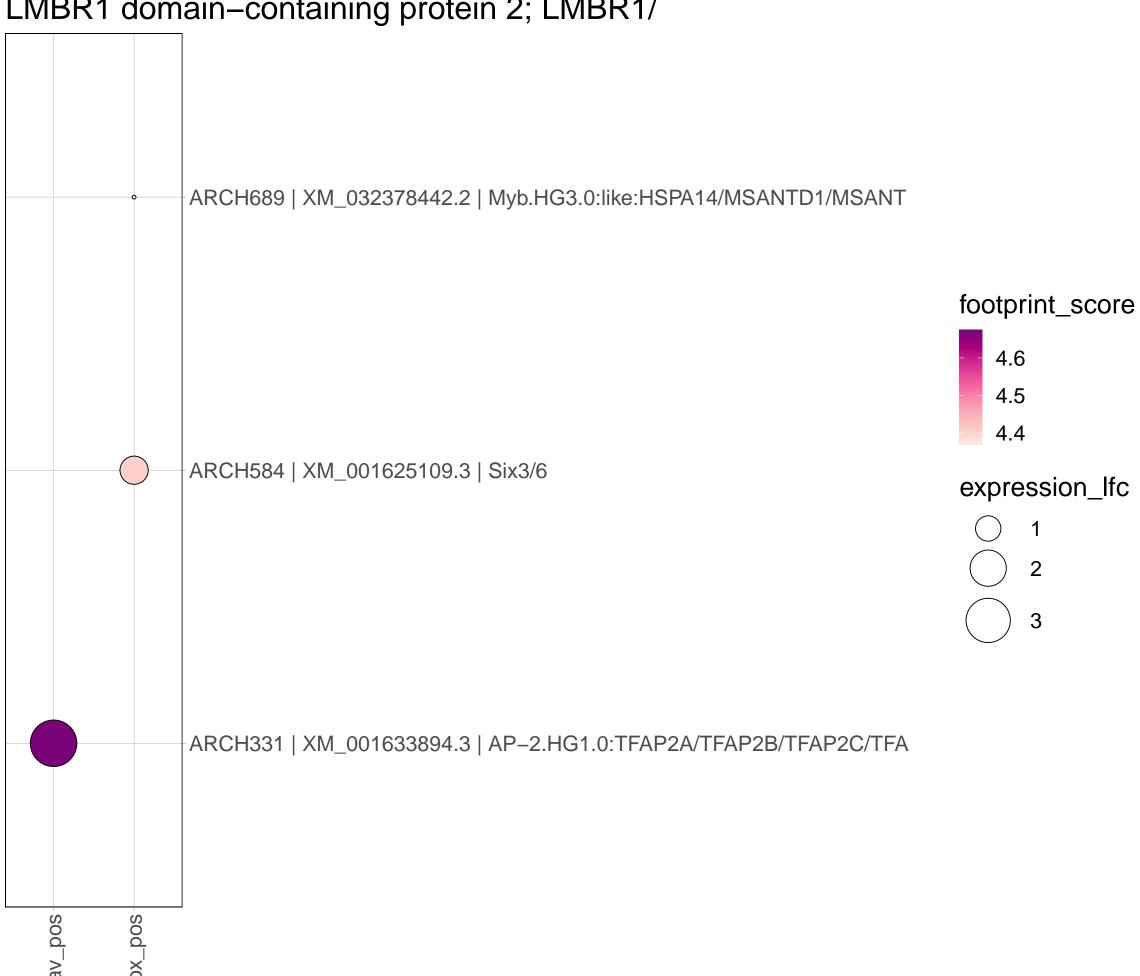
# Nvec\_vc1.1\_XM\_048734712.1



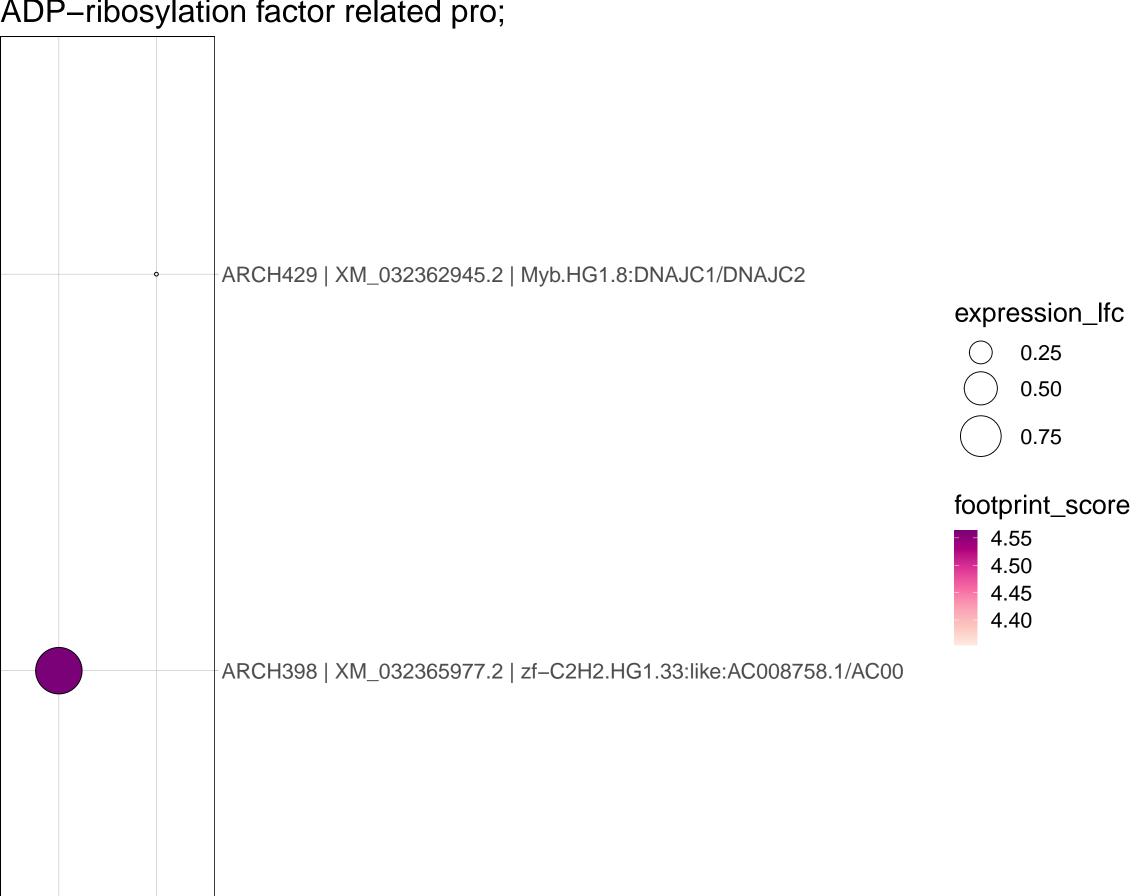
# Nvec\_vc1.1\_XM\_001628363.3 cDNA, FLJ94698, highly similar to H; Sybindin/



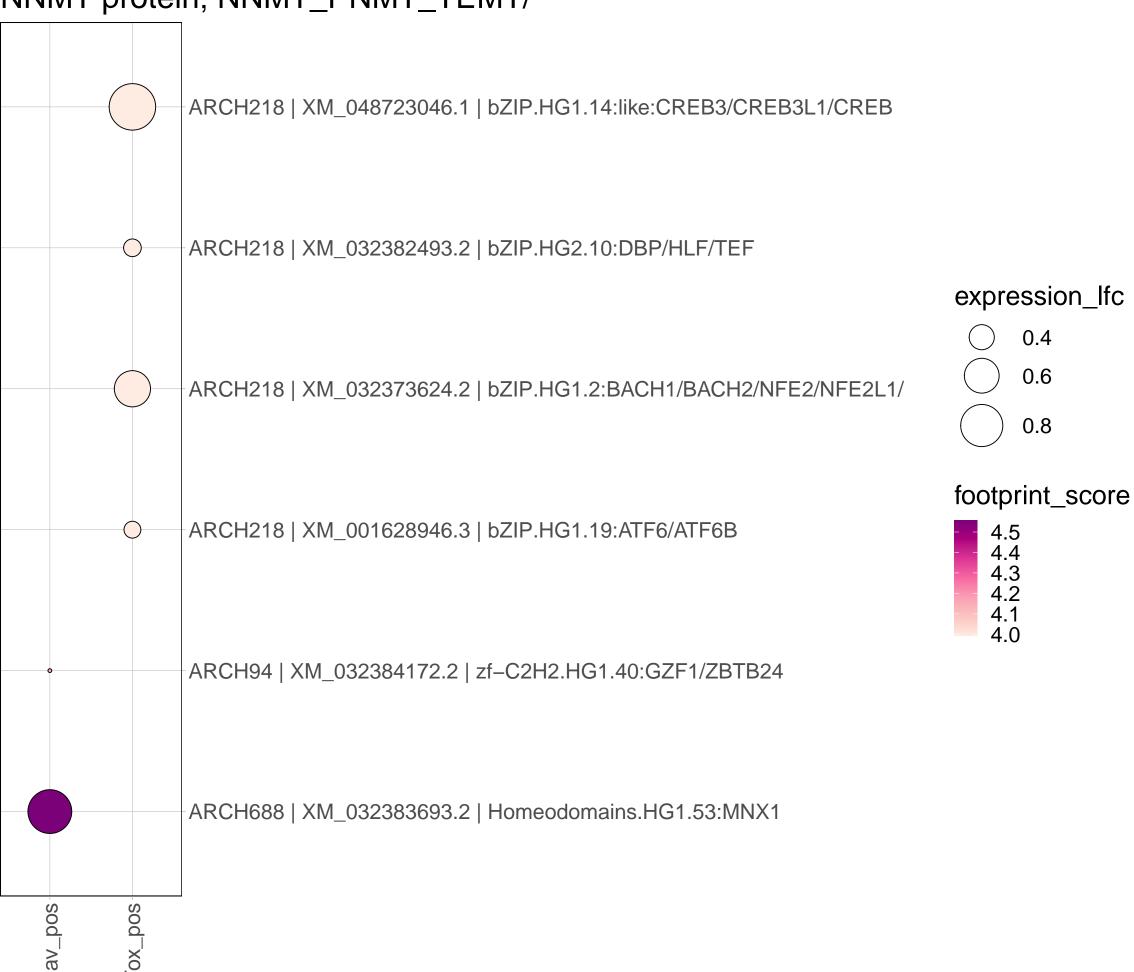
#### Nvec\_vc1.1\_XM\_032387176.2 LMBR1 domain—containing protein 2; LMBR1/



#### Nvec\_vc1.1\_XM\_001631292.3 ADP-ribosylation factor related pro;

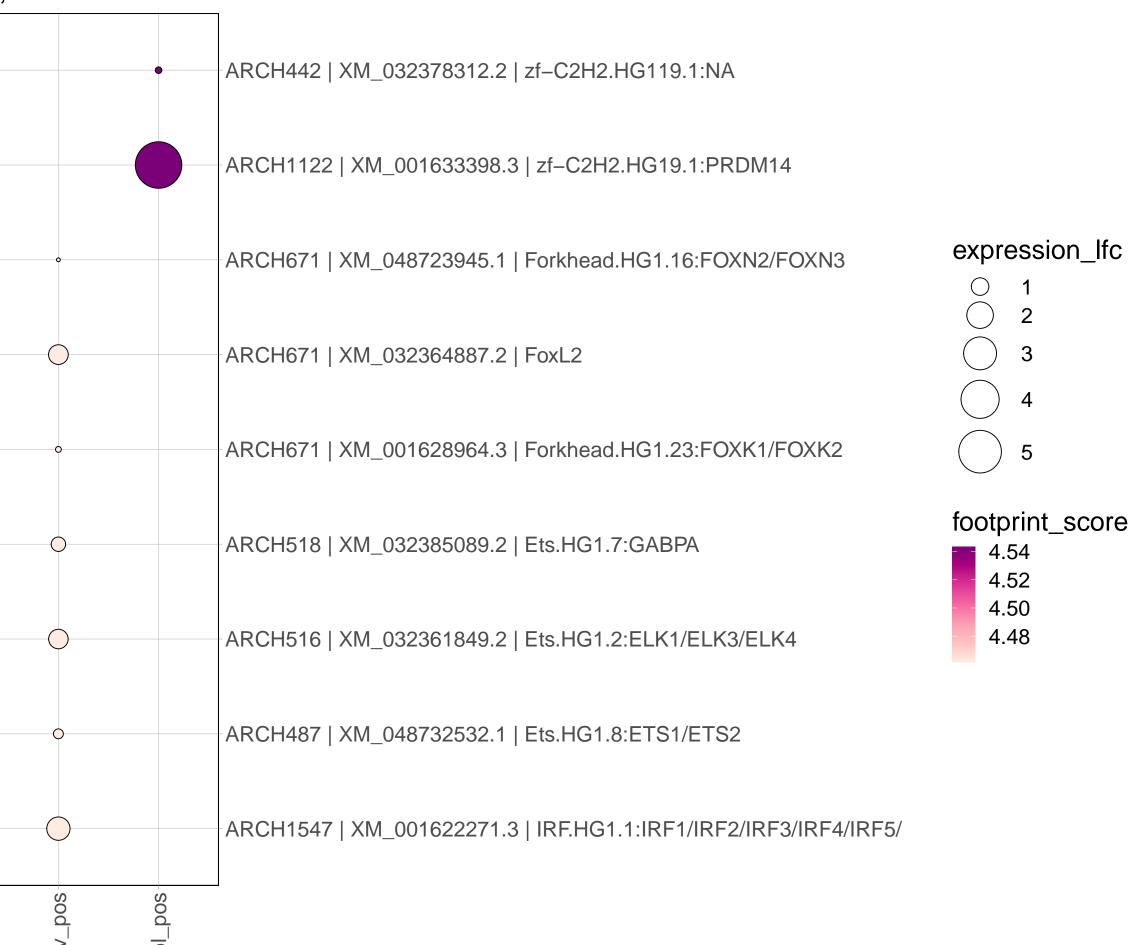


#### Nvec\_vc1.1\_XM\_001631286.2 NNMT protein; NNMT\_PNMT\_TEMT/

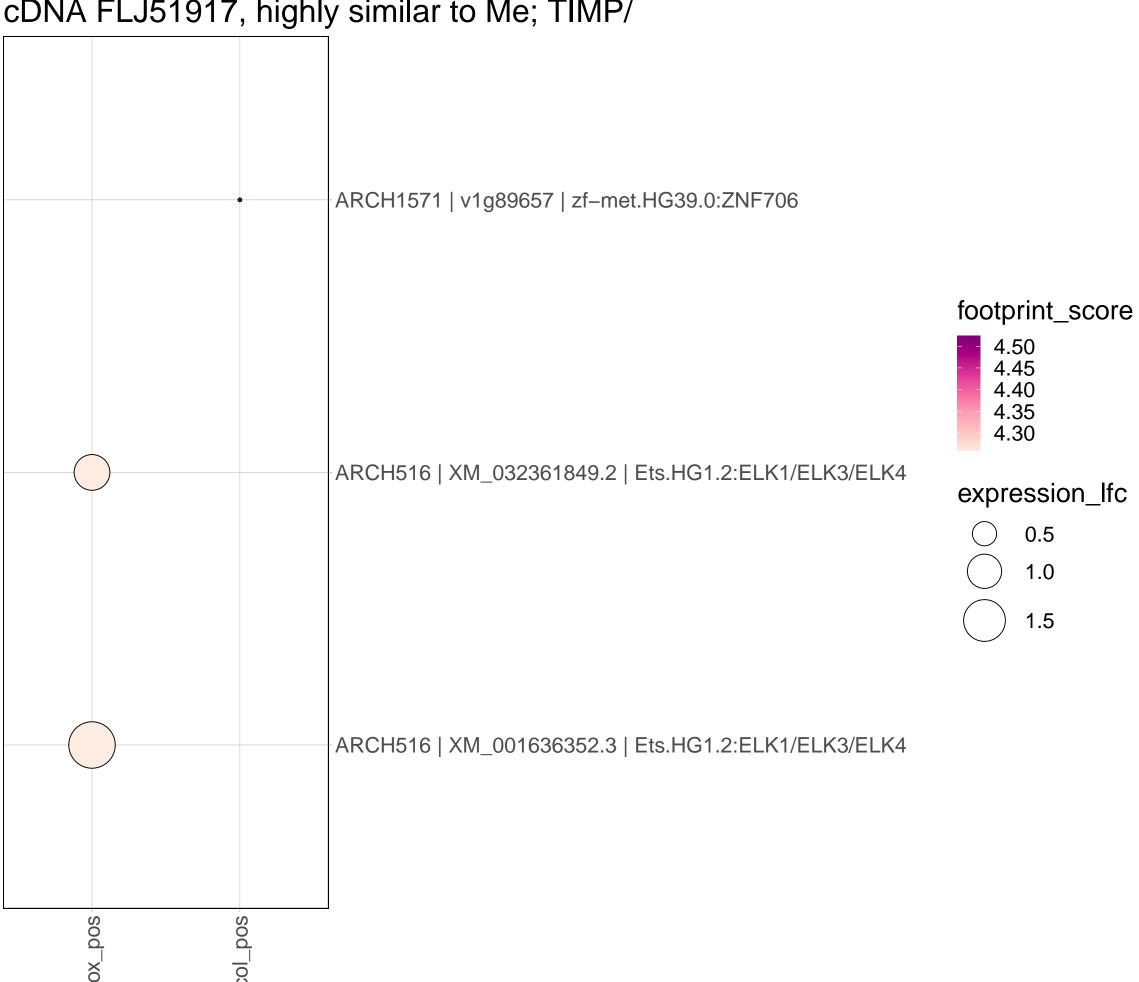


#### Nvec\_vc1.1\_XM\_001624997.3

#### ; F-box-like/



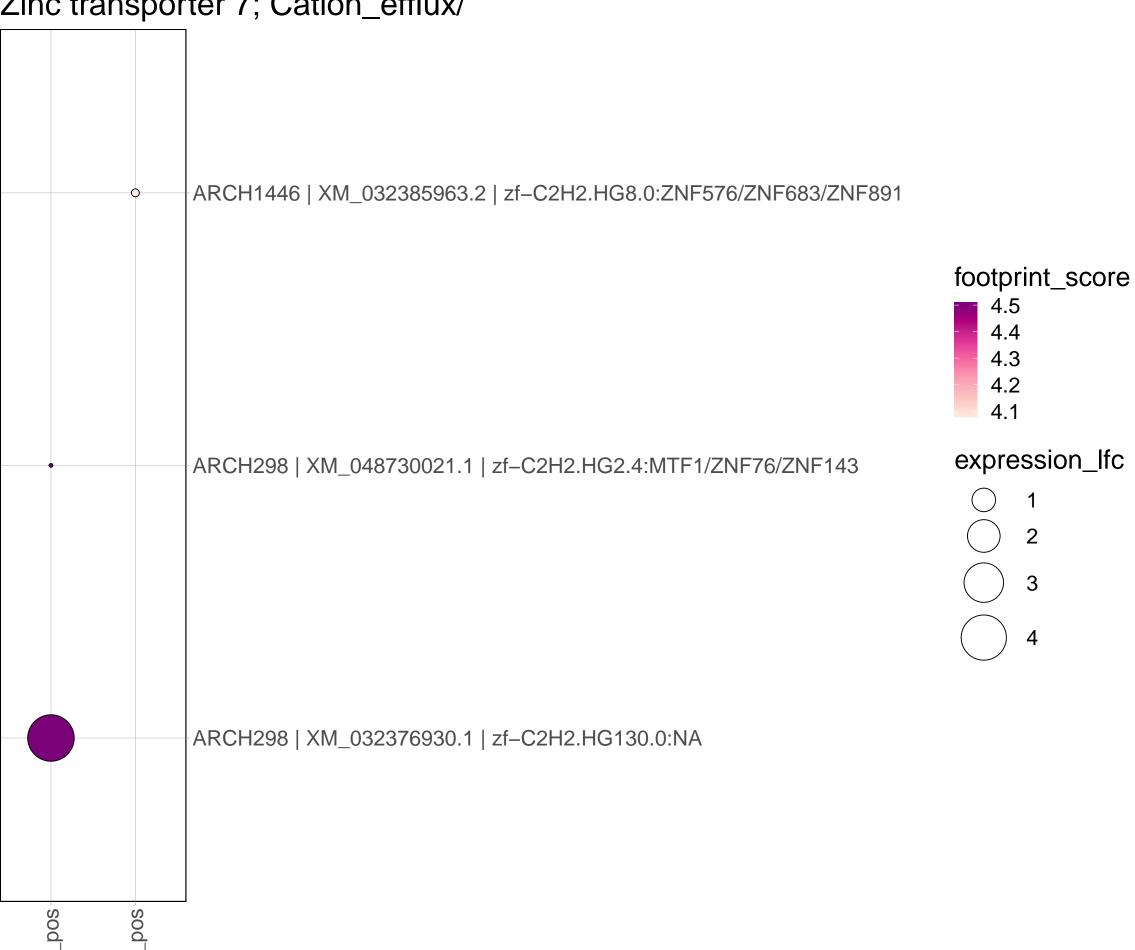
# Nvec\_vc1.1\_XM\_001641286.3 cDNA FLJ51917, highly similar to Me; TIMP/



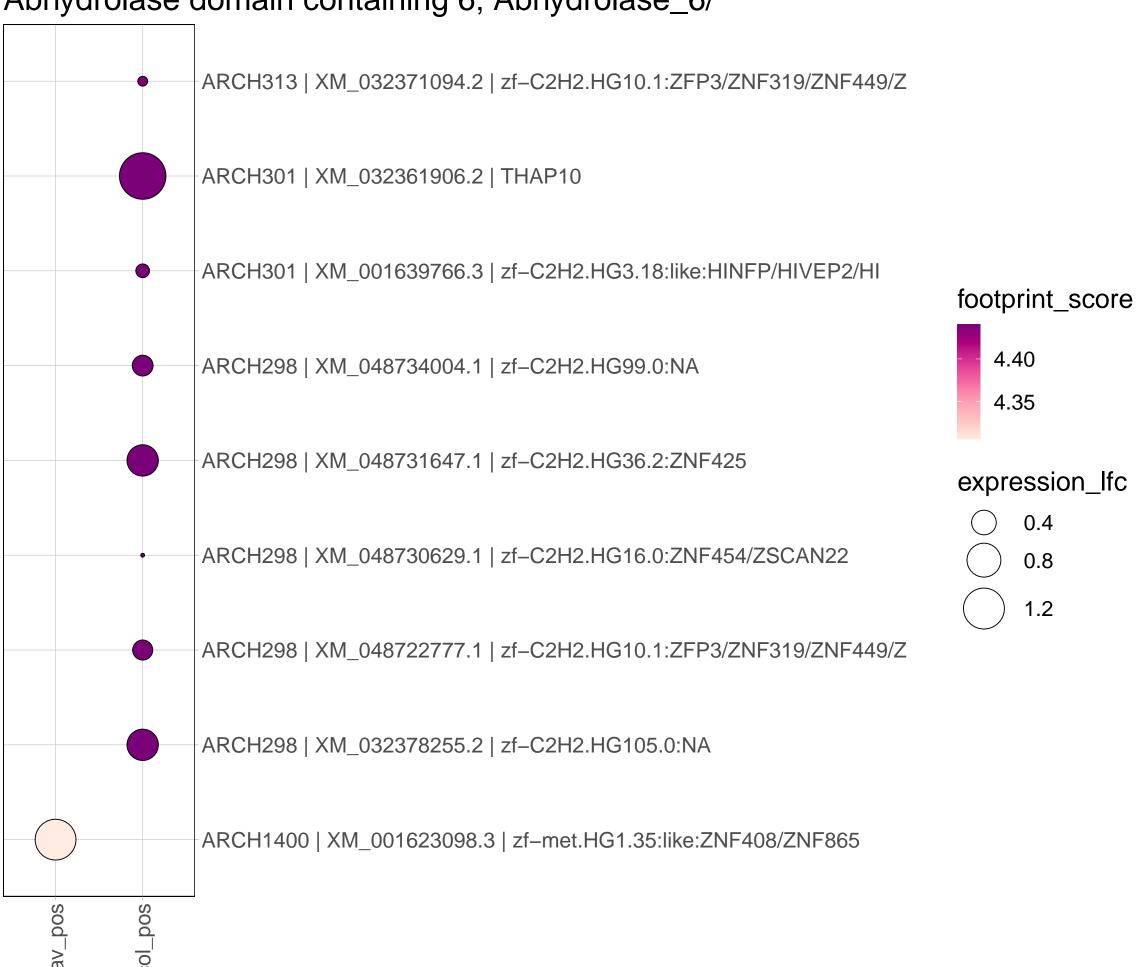
#### Nvec\_vc1.1\_XM\_032368559.2 Protein prenyltransferase alpha sub; PPTA/



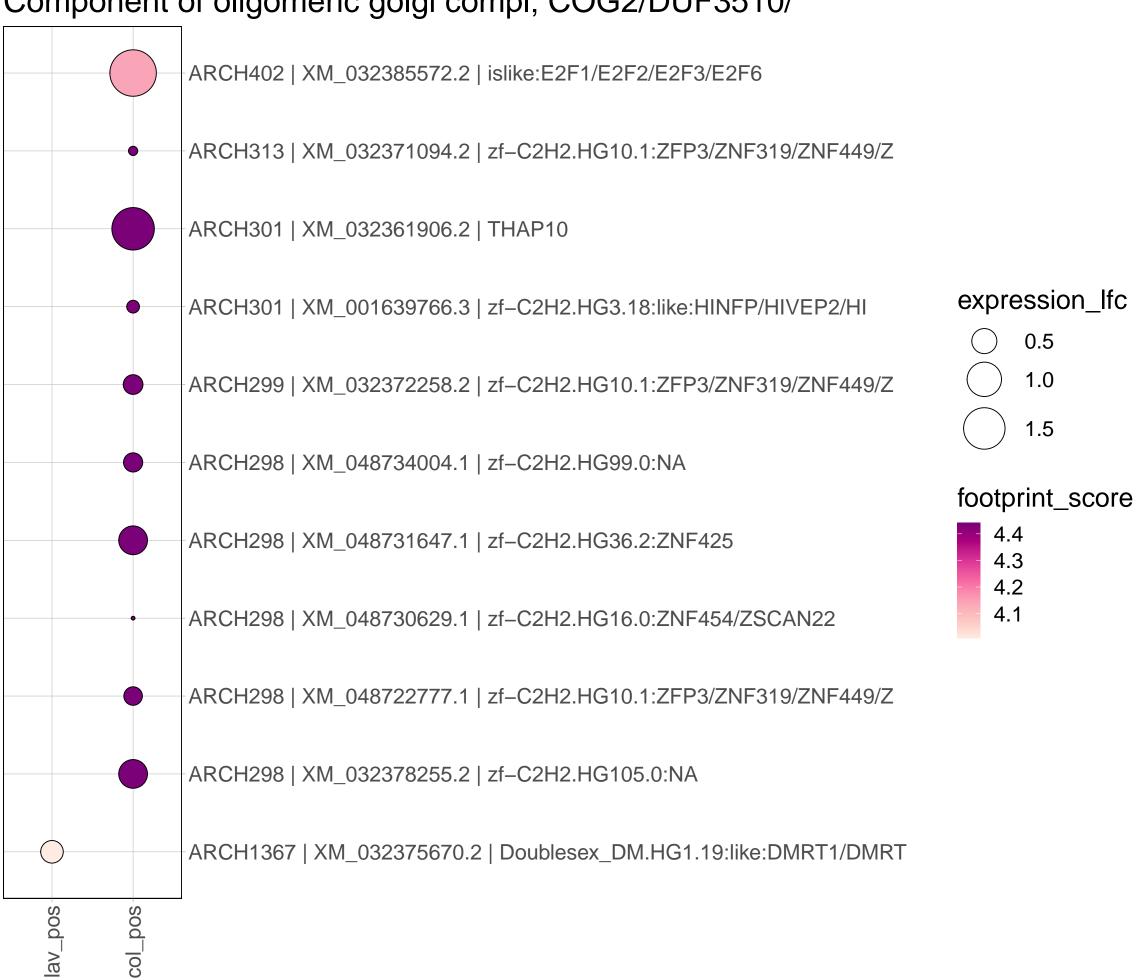
#### Nvec\_vc1.1\_XM\_048727242.1 Zinc transporter 7; Cation\_efflux/



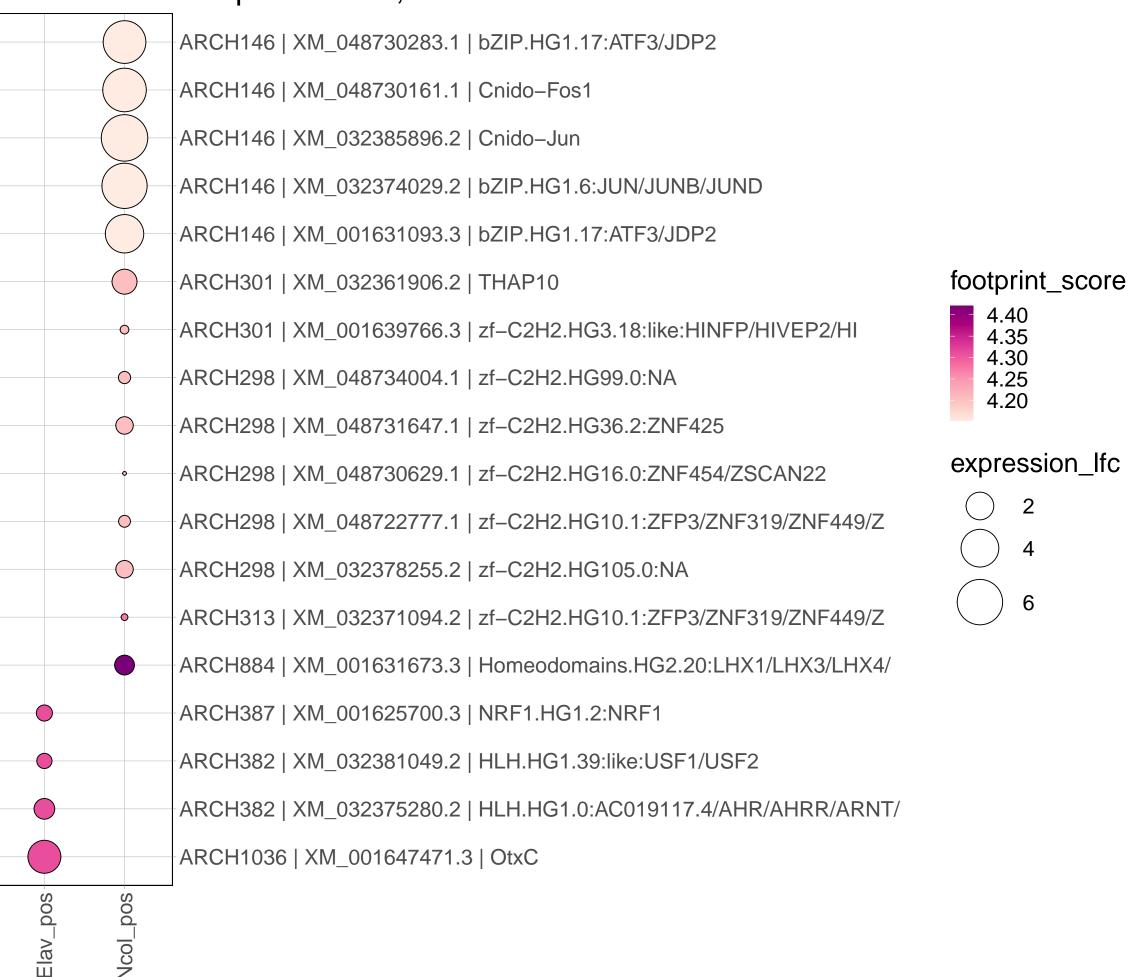
#### Nvec\_vc1.1\_XM\_032372191.2 Abhydrolase domain containing 6; Abhydrolase\_6/



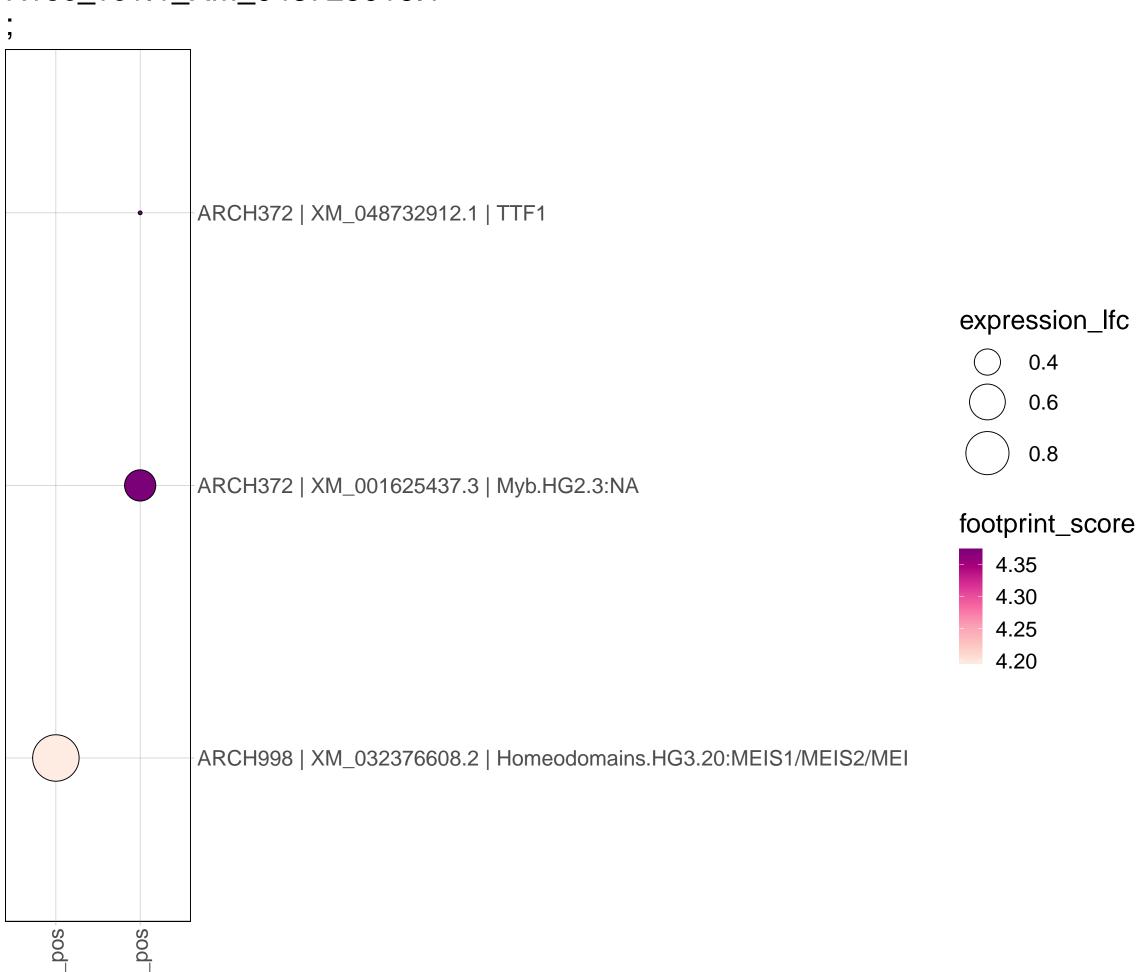
#### Nvec\_vc1.1\_XM\_048730264.1 Component of oligomeric golgi compl; COG2/DUF3510/



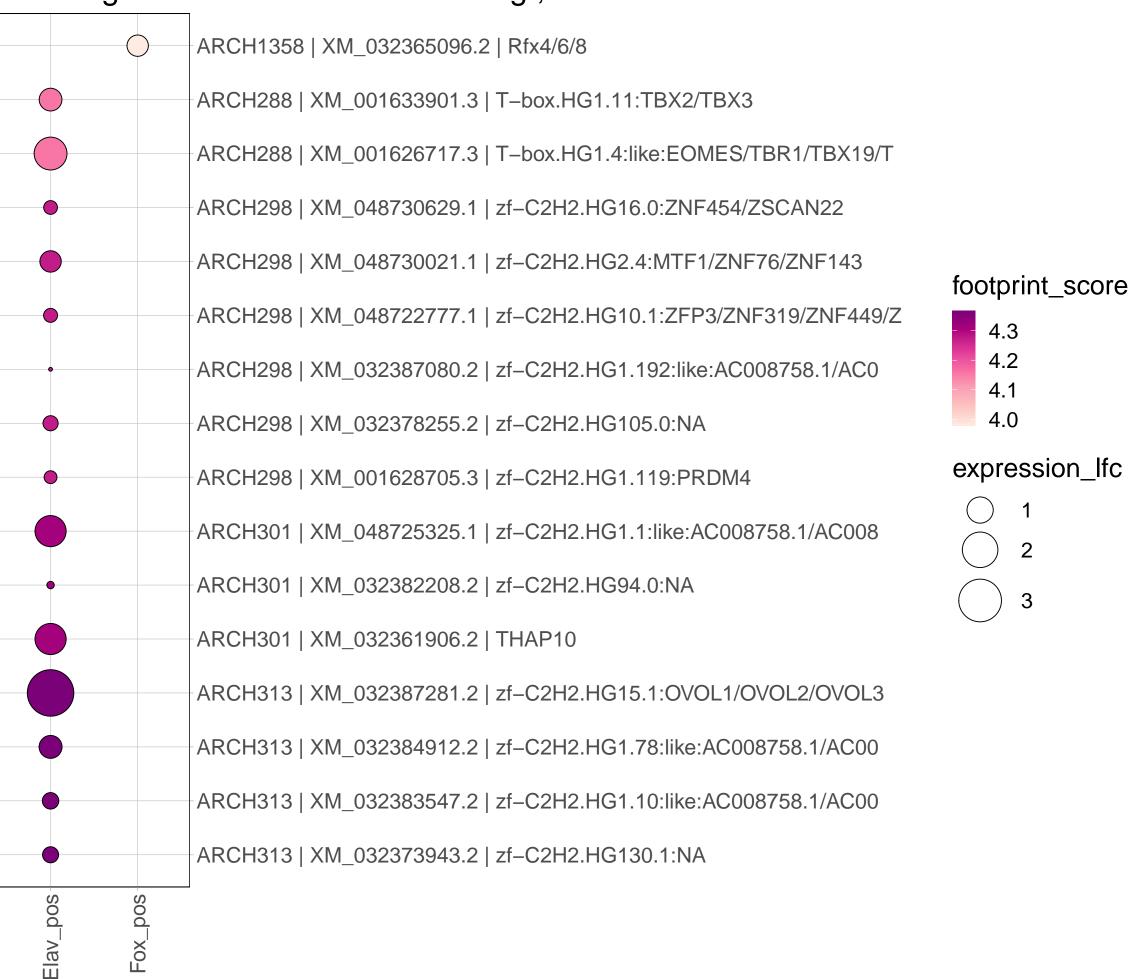
#### Nvec\_vc1.1\_XM\_032375751.2 Transmembrane protein 115; DUF1751/



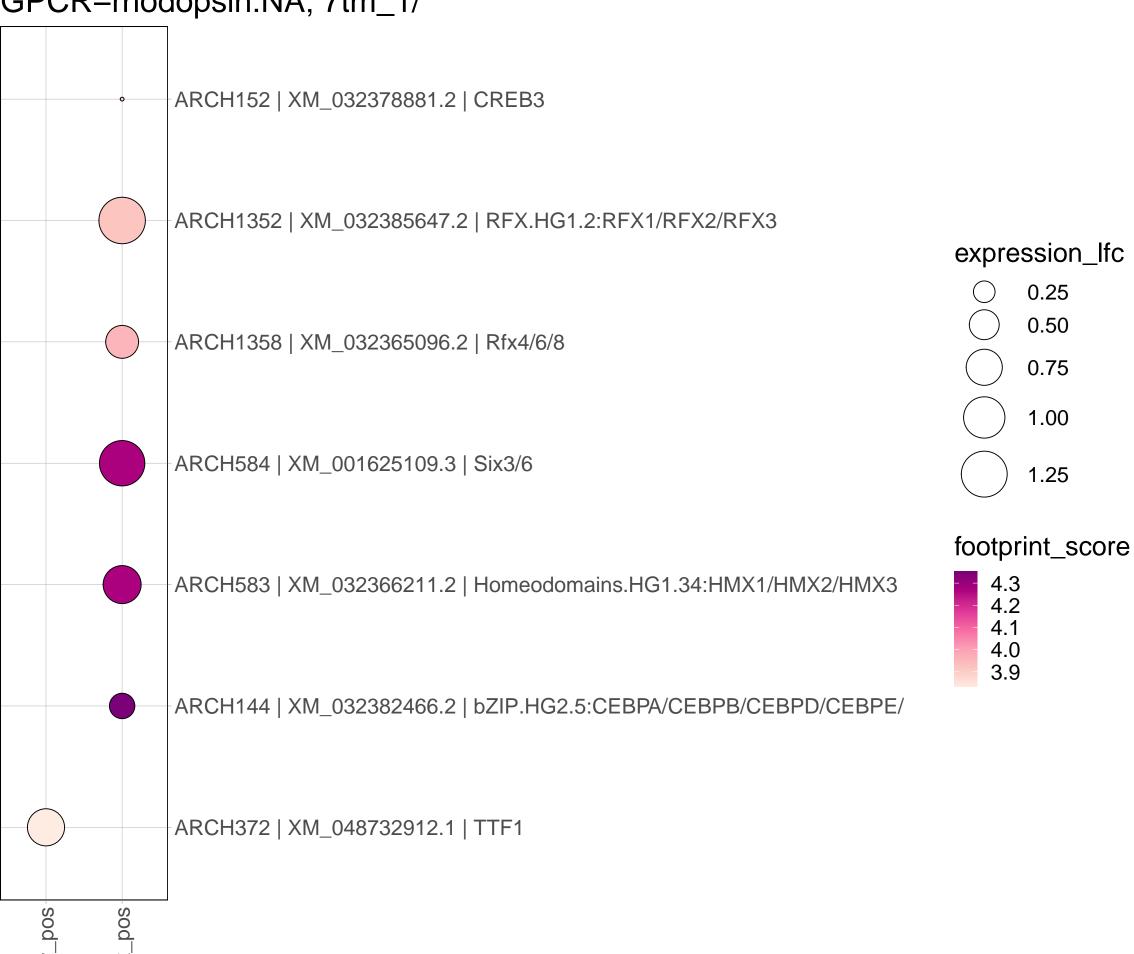
#### Nvec\_vc1.1\_XM\_048725016.1



## Nvec\_vc1.1\_XM\_001638793.3 Zinc finger CCHC domain-containing; PSP/



#### Nvec\_vc1.1\_XM\_032363581.2 GPCR-rhodopsin:NA; 7tm\_1/



#### Nvec\_vc1.1\_XM\_032364770.2 GPCR-rhodopsin:NA; 7tm\_1/

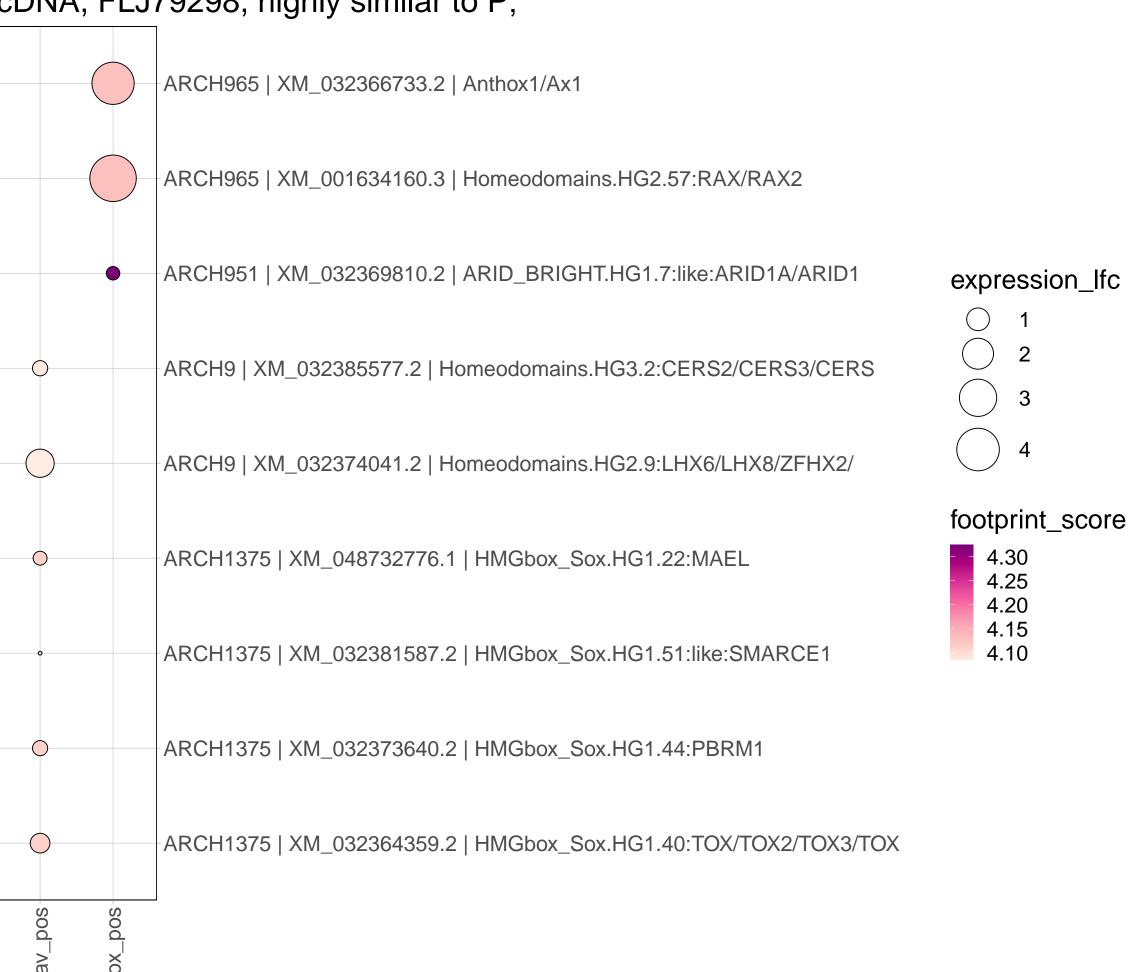


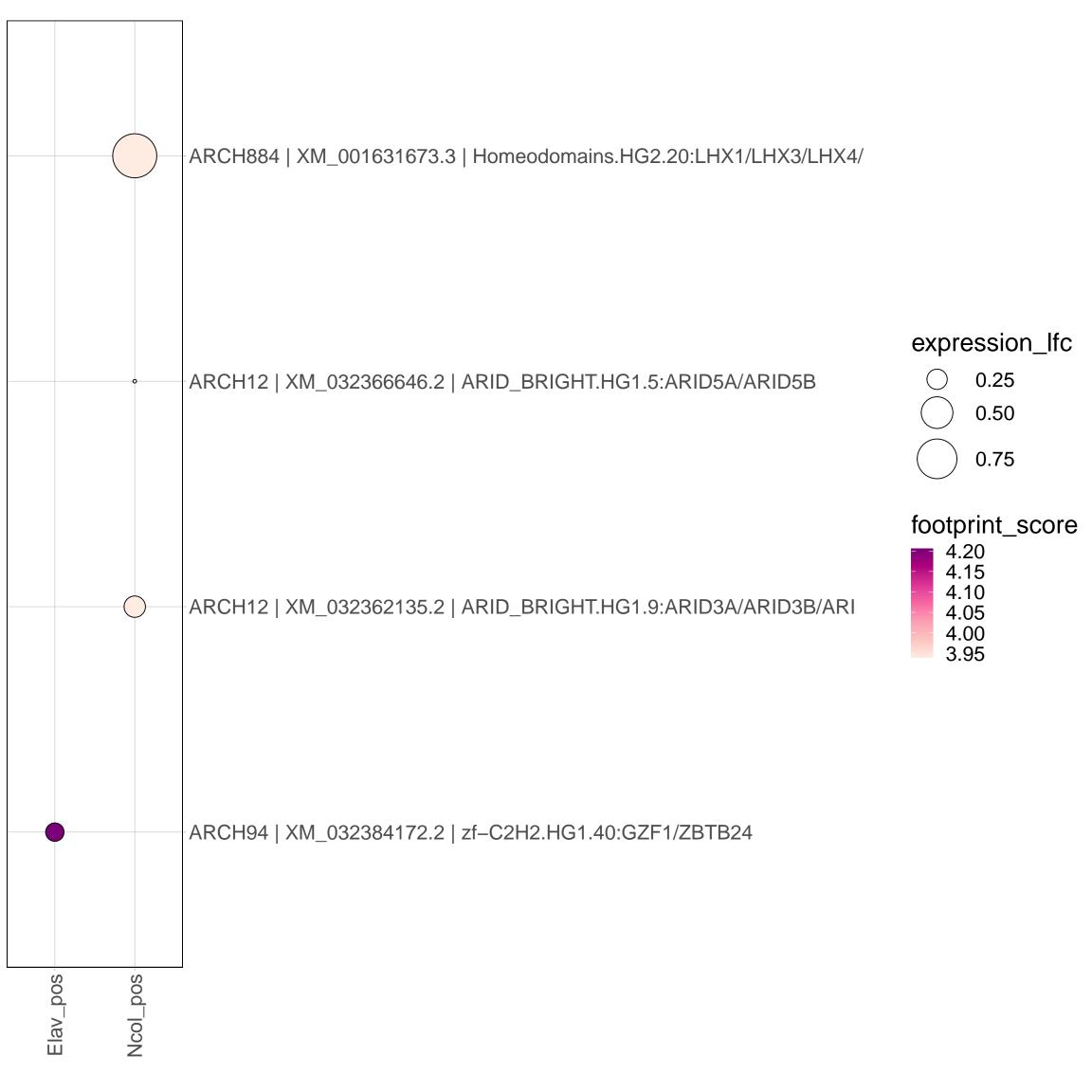
2

4

6

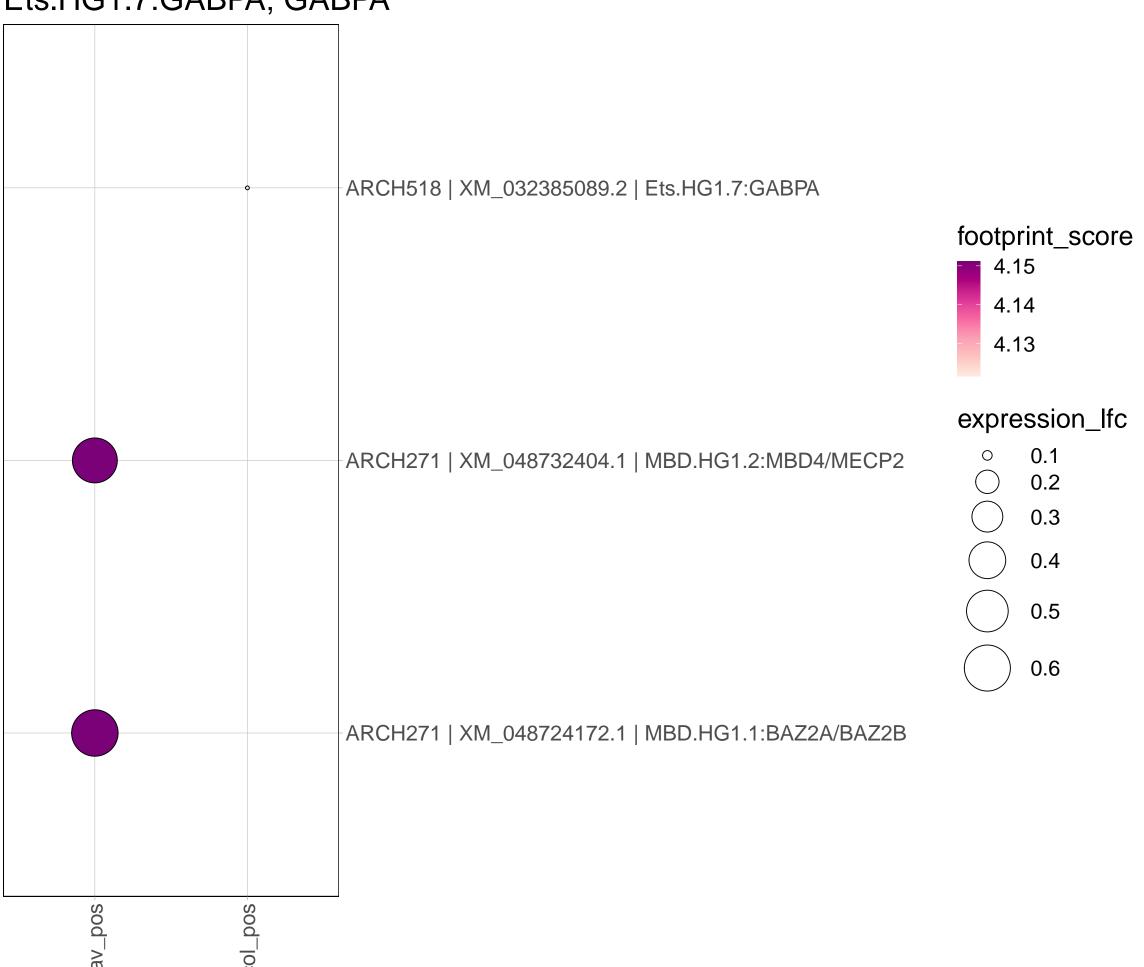
### Nvec\_vc1.1\_XM\_032367592.2 cDNA, FLJ79298, highly similar to P;



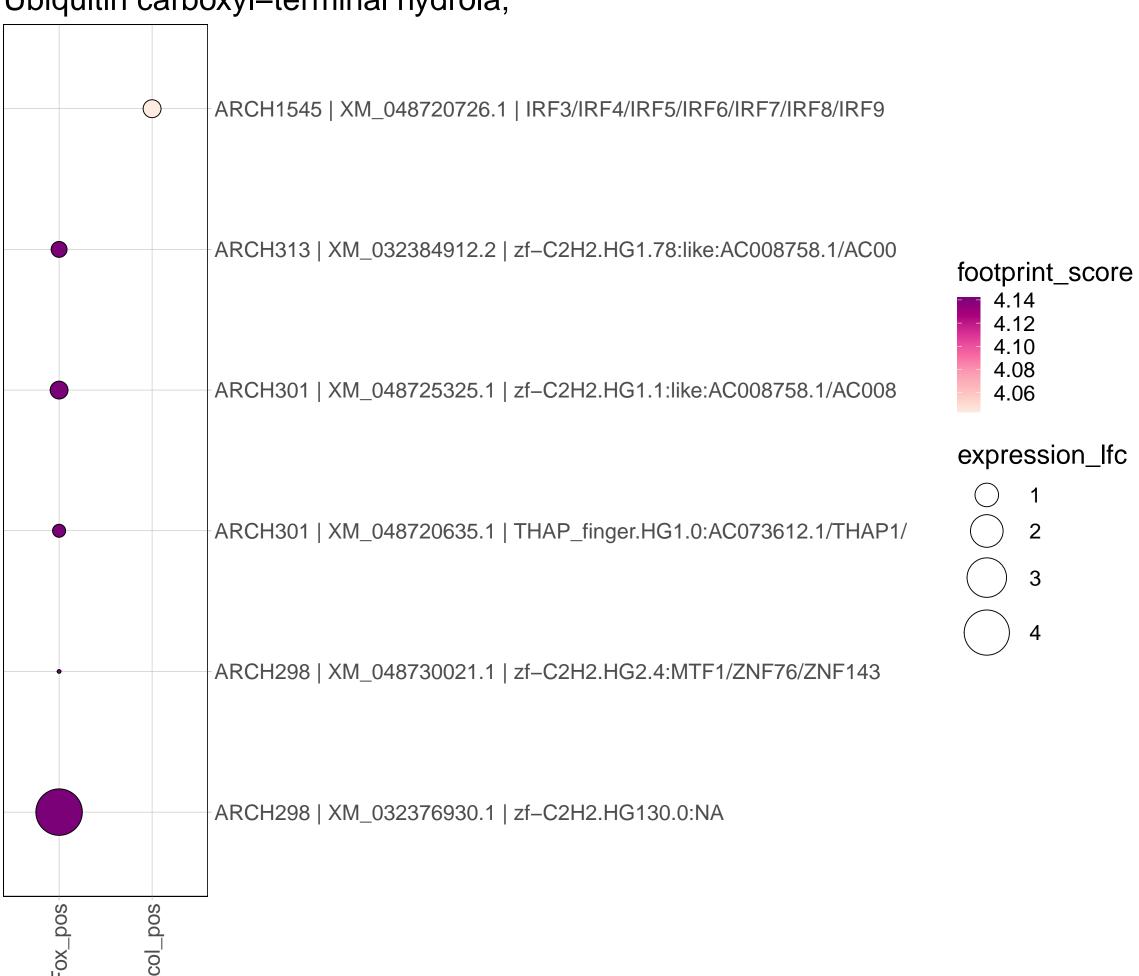


# Nvec\_v1g243589 ARCH108 | XM\_032386356.2 | HLH.HG1.25:SREBF1/SREBF2 expression\_lfc 0.5 ARCH108 | XM\_032372025.2 | HLH.HG1.0:AC019117.4/AHR/AHRR/ARNT/ 1.0 1.5 footprint\_score 4.1 ARCH516 | XM\_032361849.2 | Ets.HG1.2:ELK1/ELK3/ELK4 4.0 3.9 ARCH516 | XM\_001636352.3 | Ets.HG1.2:ELK1/ELK3/ELK4

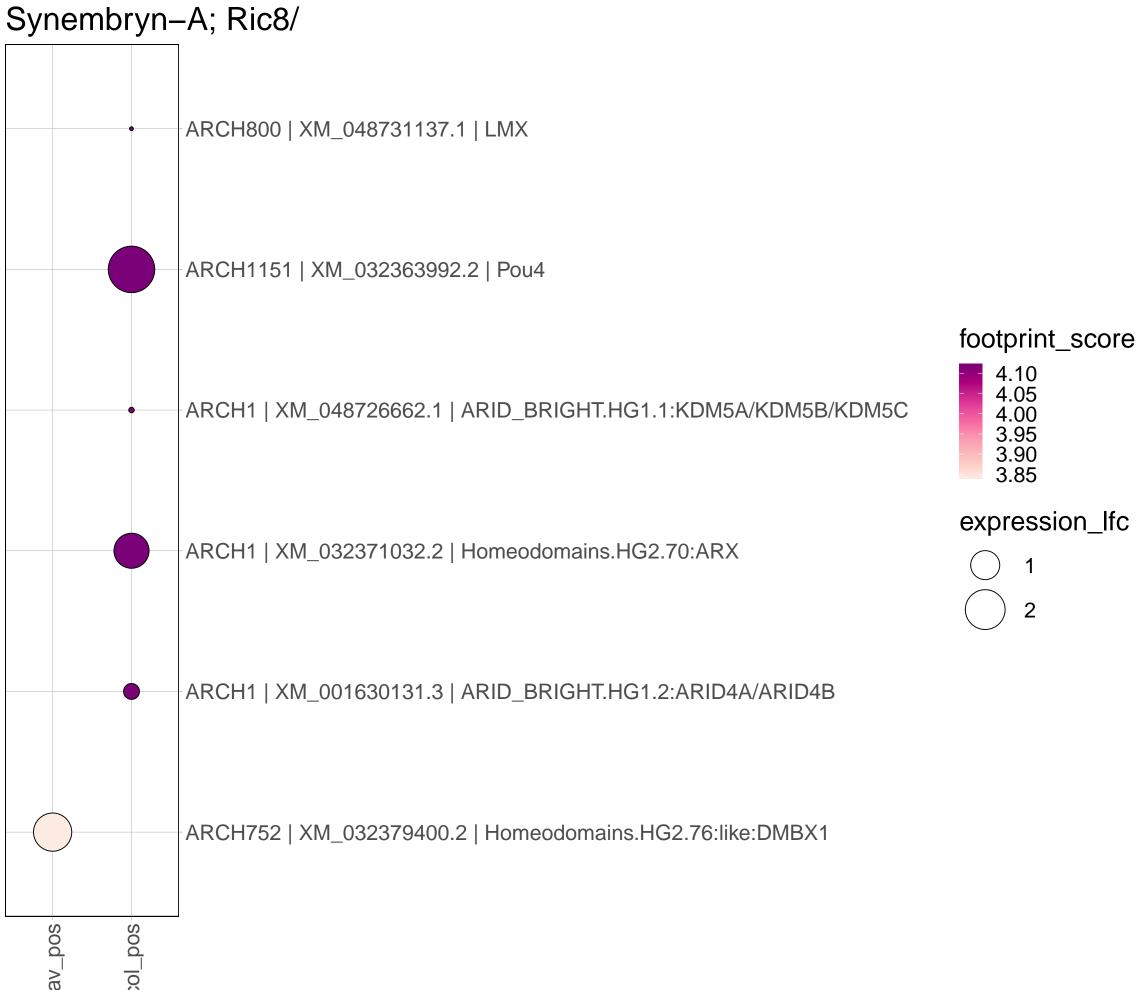
#### Nvec\_vc1.1\_XM\_032385089.2 Ets.HG1.7:GABPA; GABPA



#### Nvec\_vc1.1\_XM\_048720705.1 Ubiquitin carboxyl-terminal hydrola;



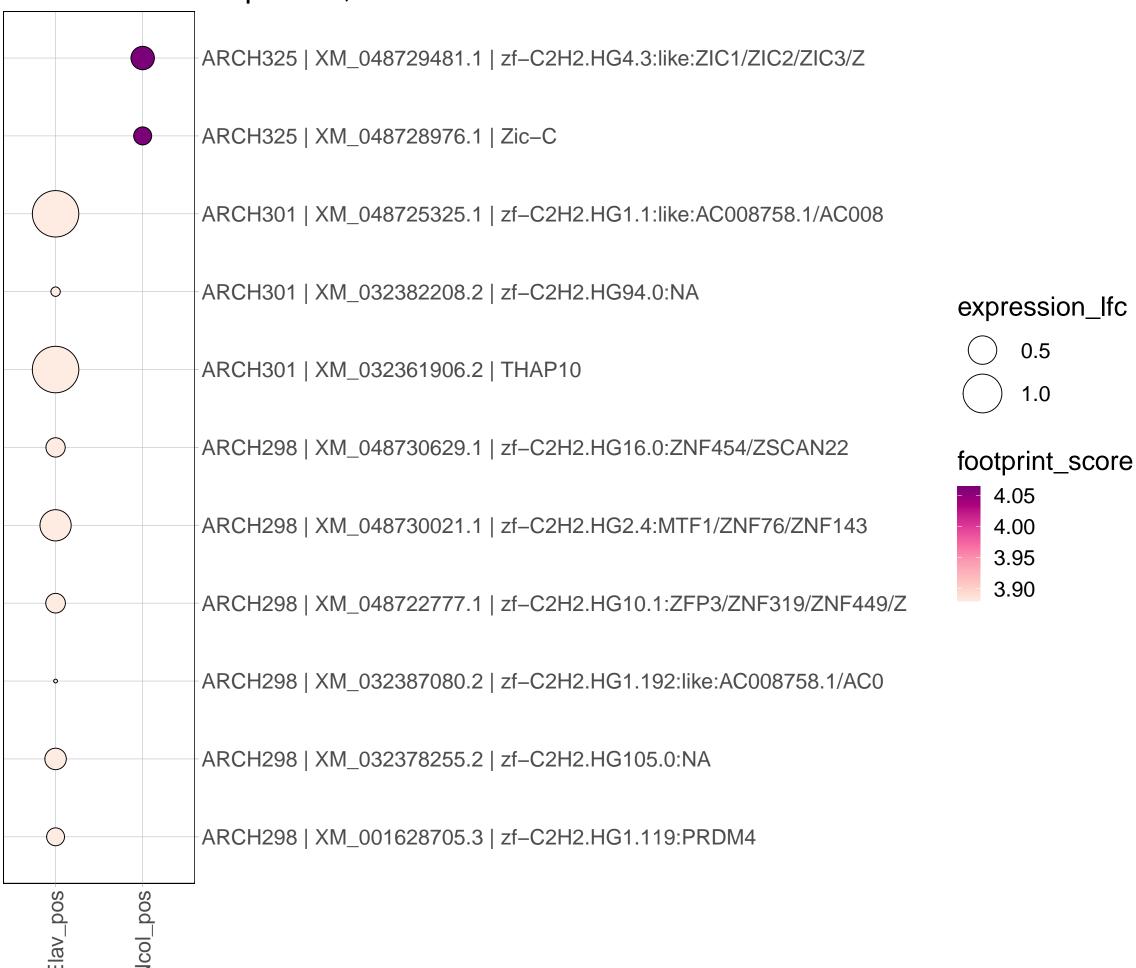
### Nvec\_vc1.1\_XM\_032362554.2



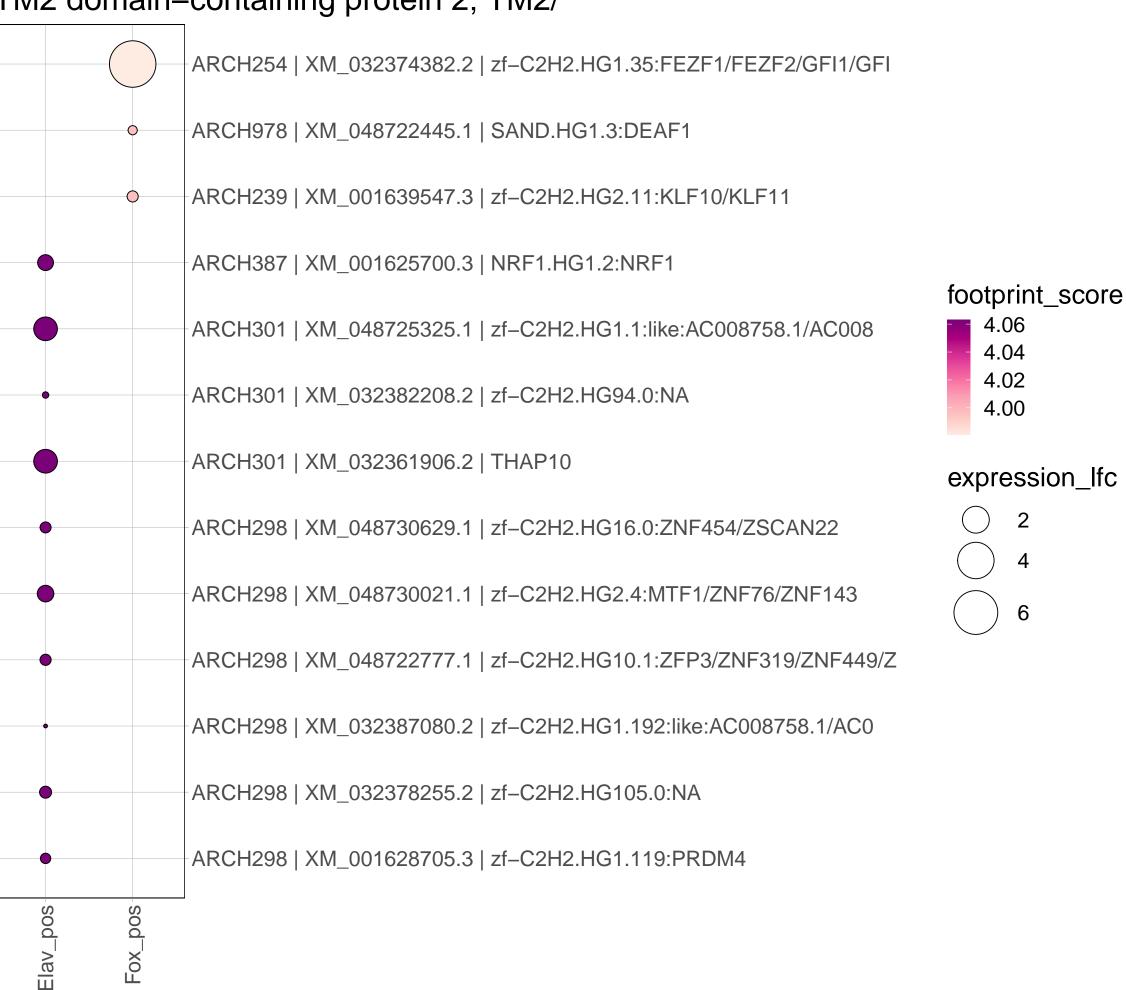
# 



#### Nvec\_vc1.1\_XM\_032382564.2 Uncharacterized protein; TMEM219/



# Nvec\_vc1.1\_XM\_001630938.3 TM2 domain-containing protein 2; TM2/



# Nvec\_vc1.1\_XM\_048730070.1 FAM179B protein;

