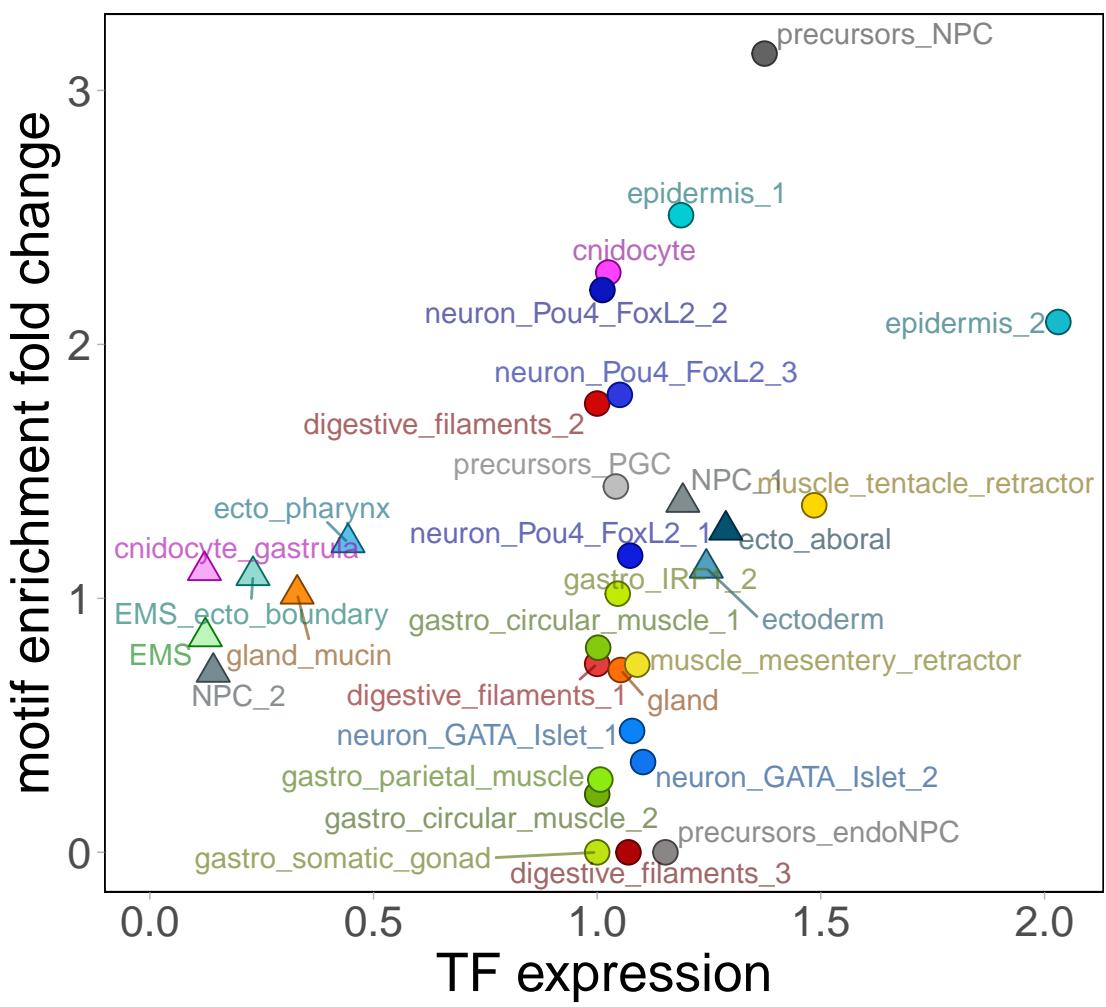


Nvec\_NVE23841 (SoxB2/Sox3)  
OG: HMGbox\_Sox.HG1.34:SRY  
PFAM: HMG\_box  
motif: ARCH1153\_Sox4/Sox11\_Sox13/  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: FALSE  
rank: 24  
gene expression correlation: 0.2596  
gene score correlation: 0.6052



Nvec\_v1g19278 (Klf13)

OG: zf-C2H2.HG2.12:KLF9/KLF13/KLF

PFAM: zf-C2H2/zf-C2H2/zf-C2H2

motif: ARCH861\_Scrt2/Scrt1

TF family: zf-C2H2

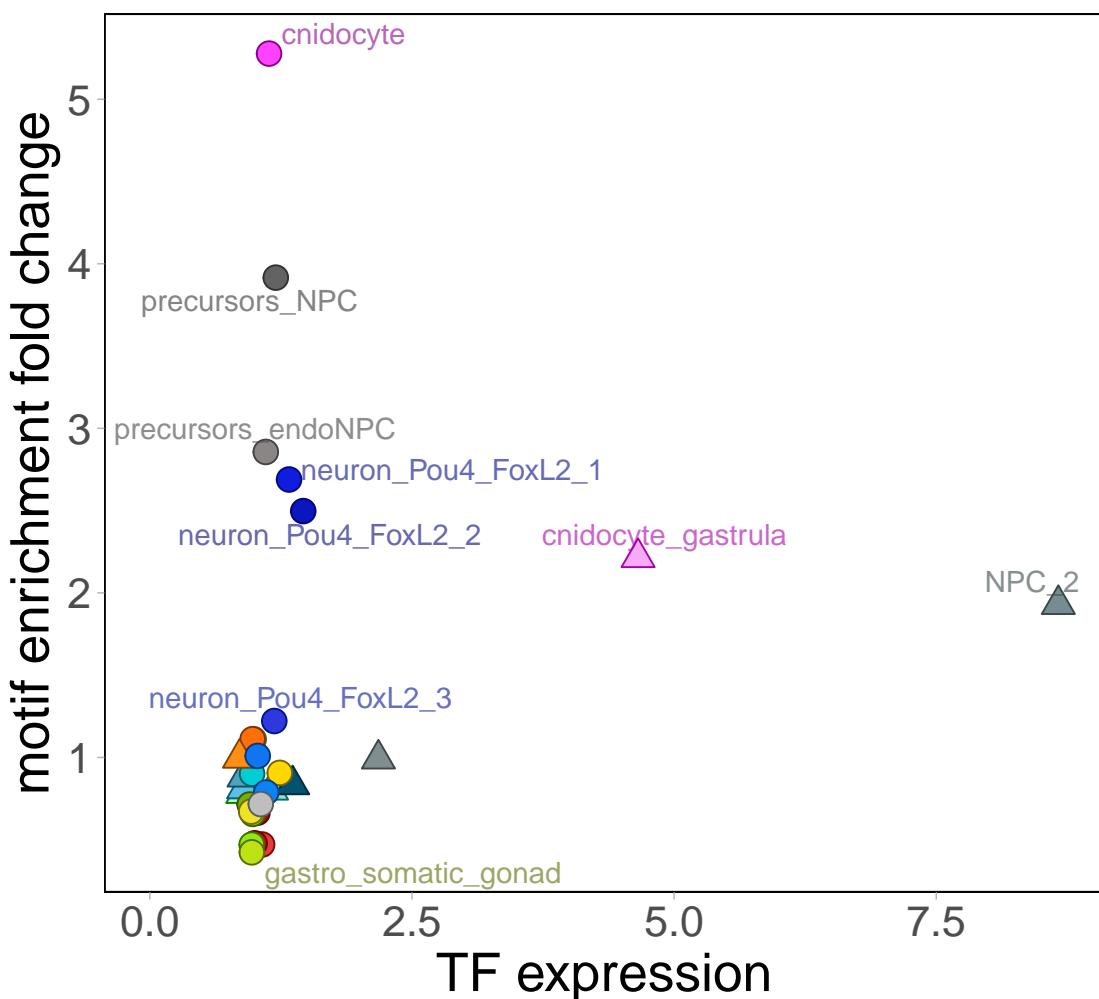
archetype family: zf-C2H2

CisBP assigned: FALSE

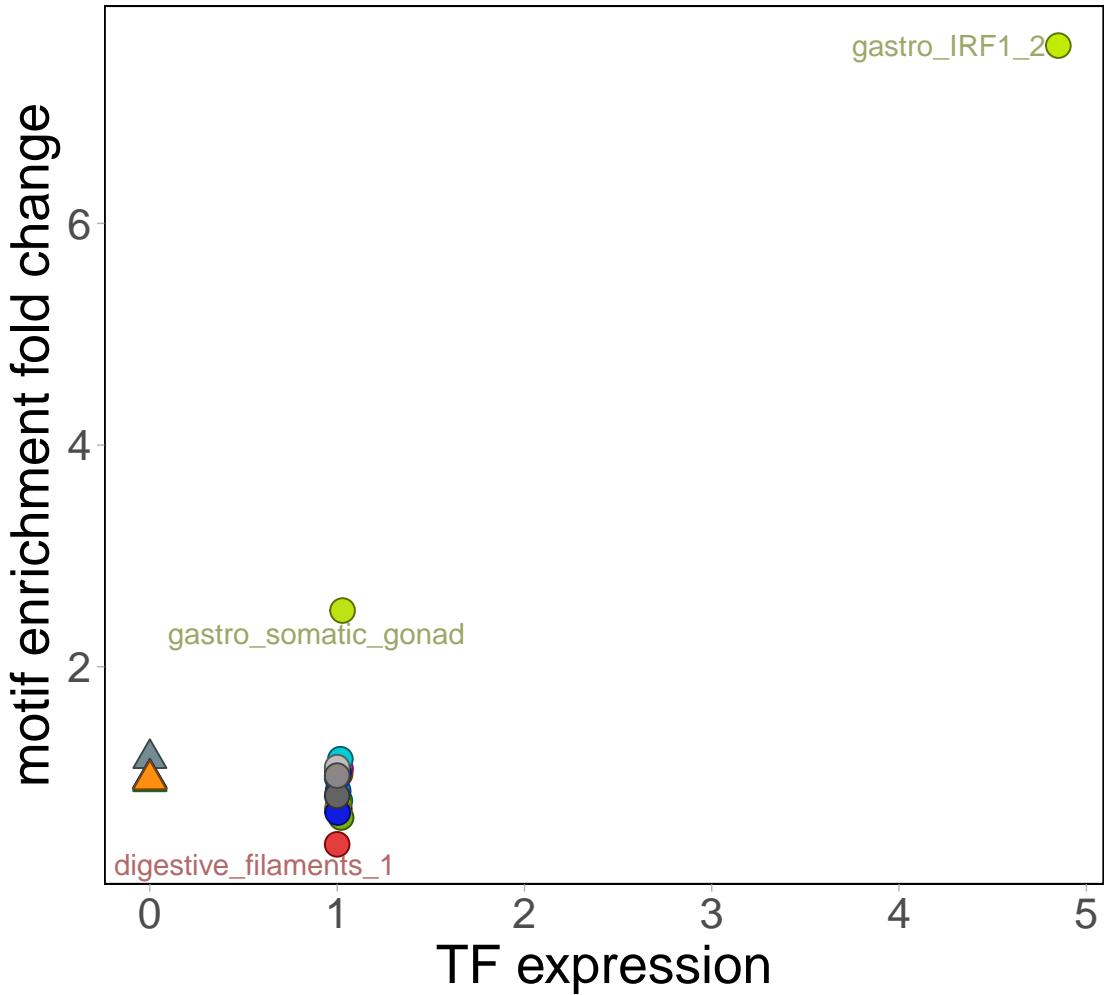
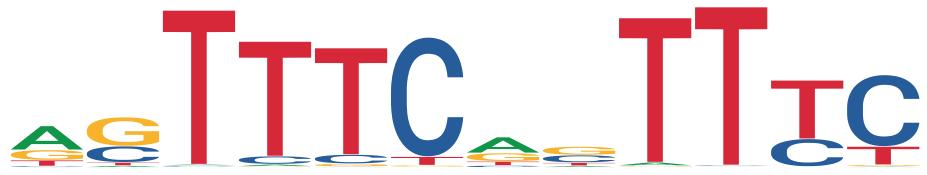
rank: 1

gene expression correlation: 0.1933

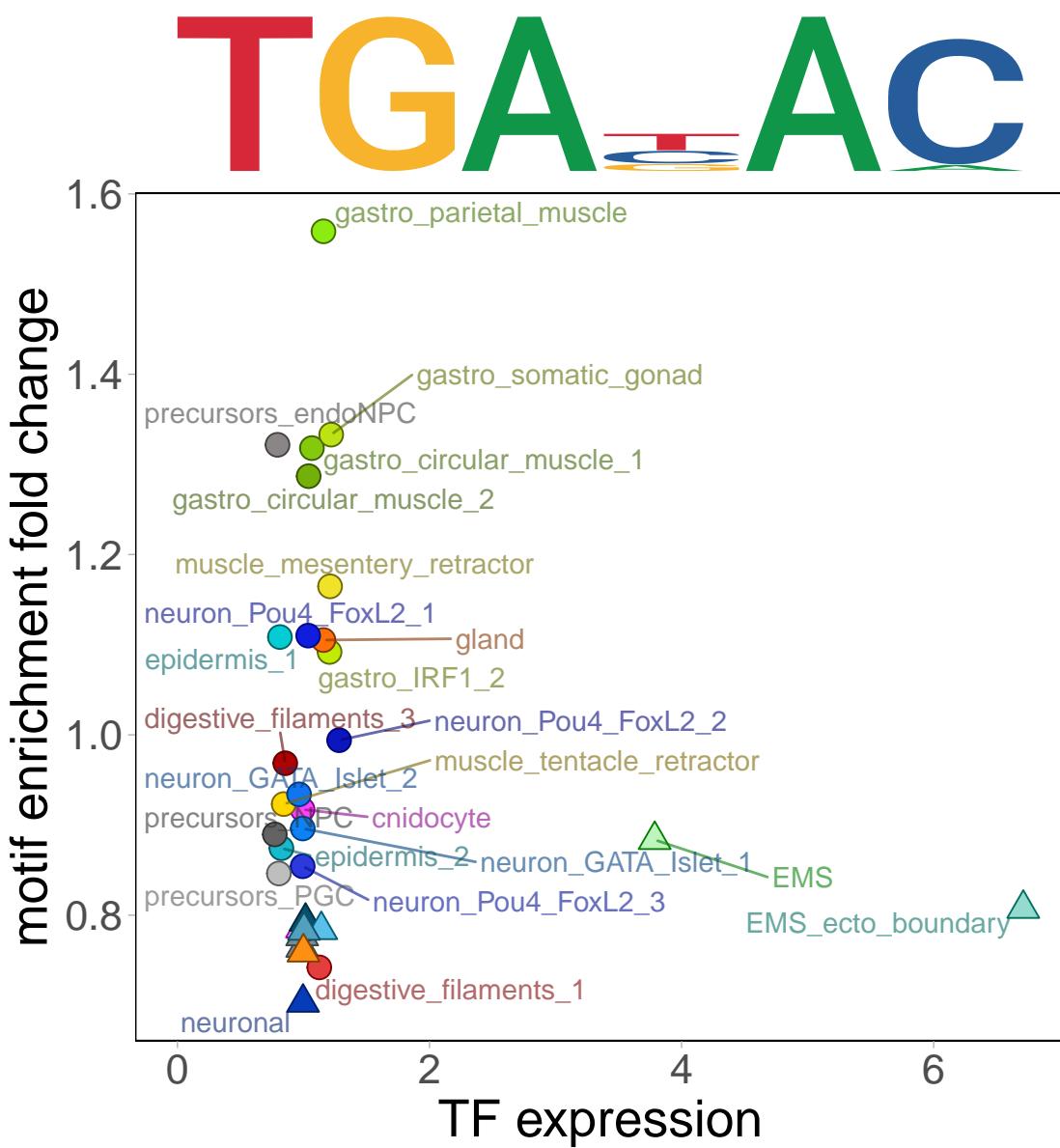
gene score correlation: 0.8171



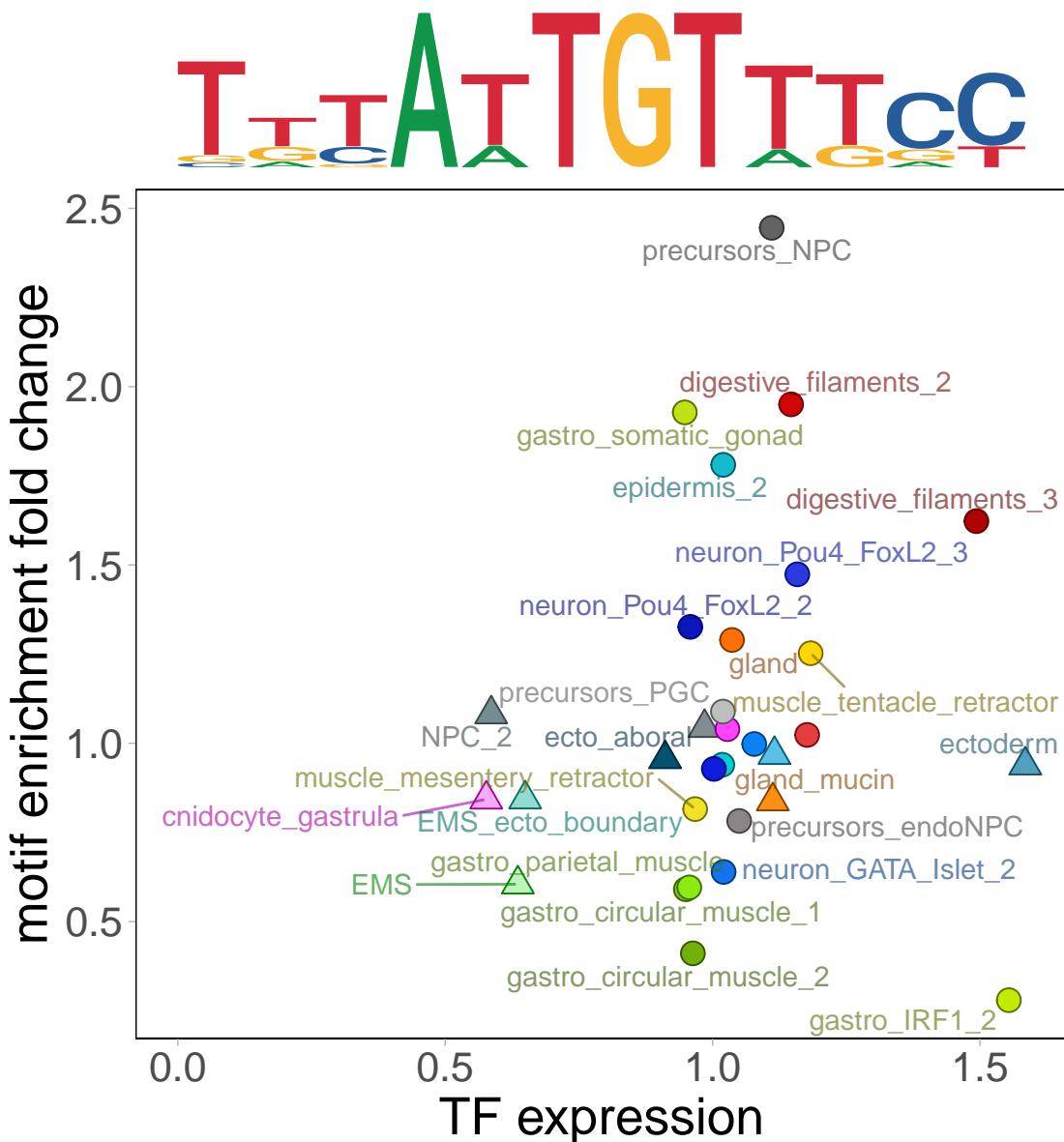
Nvec\_vc1.1\_XM\_001622271.3 (IRF1–2  
OG: IRF.HG1.1:IRF1/IRF2/IRF3/IRF4/IRF5  
PFAM: IRF  
motif: ARCH591\_ISRE\_\_IRF3\_\_IRF8  
TF family: IRF  
archetype family: IRF  
CisBP assigned: FALSE  
rank: 1  
gene expression correlation: 0.8061  
gene score correlation: 0.9202



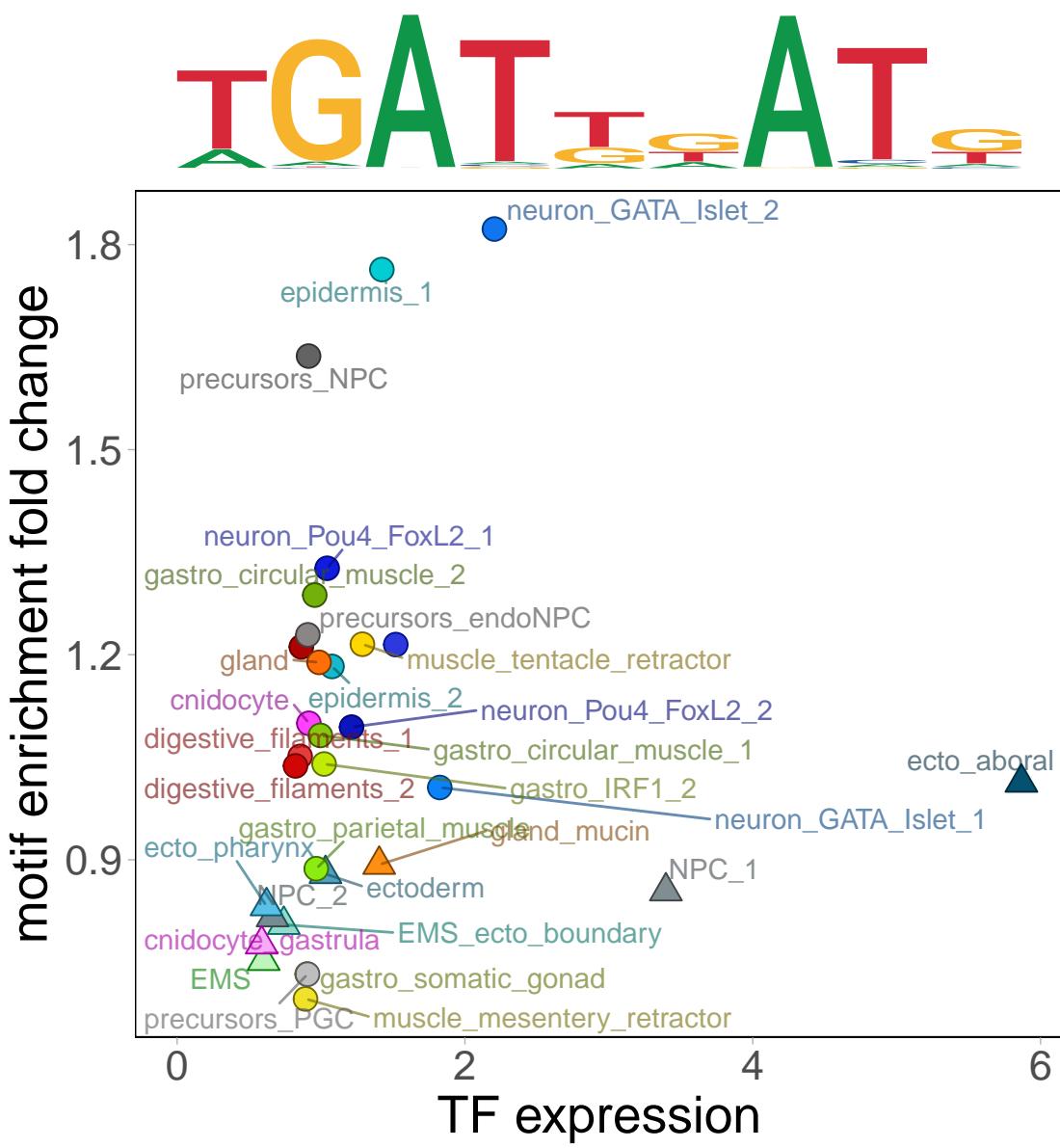
Nvec\_vc1.1\_XM\_001623084.3 (Six4/5)  
OG: Homeodomains.HG3.24:SIX4/SIX5  
PFAM: SIX1\_SD/Homeodomain  
motif: M06530\_2.00  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.1204  
gene score correlation: 0.1127



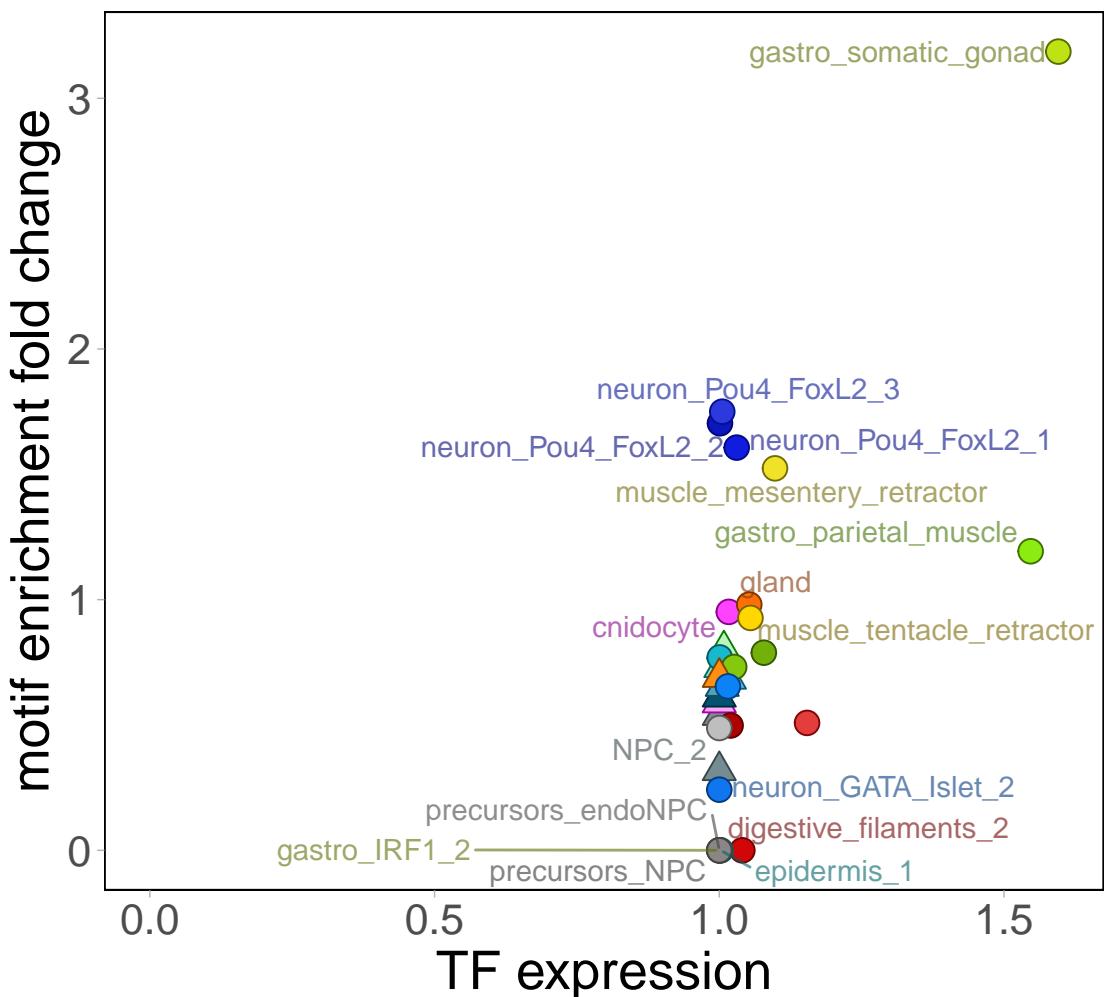
Nvec\_vc1.1\_XM\_001624716.3 (NvSox1  
OG: HMGbox\_Sox.HG1.35:SOX1/SOX2  
PFAM: HMG\_box/SOXP  
motif: ARCH972\_Sox5  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: FALSE  
rank: 1  
gene expression correlation: 0.1337  
gene score correlation: 0.6061



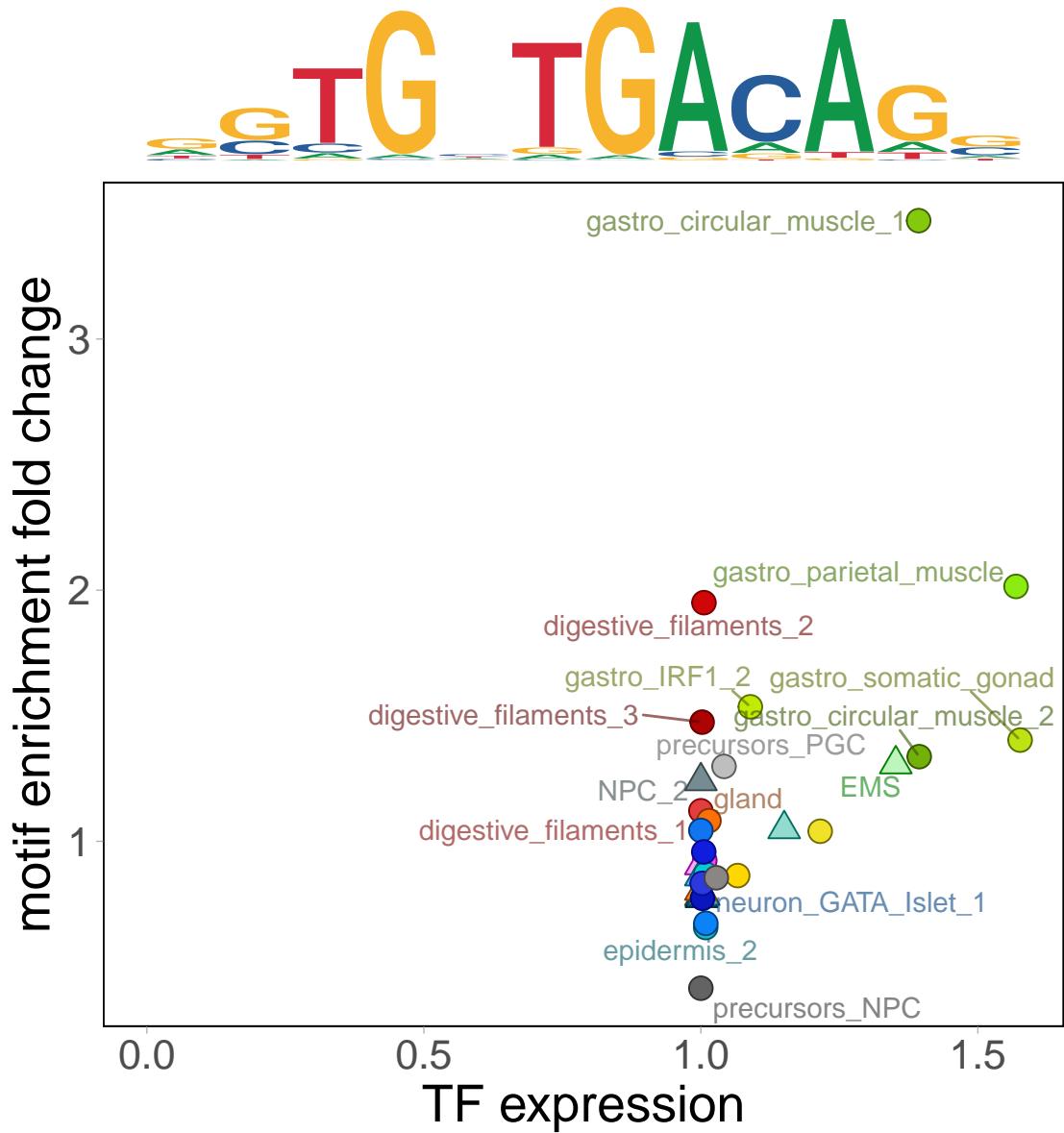
Nvec\_vc1.1\_XM\_001625109.3 (Six3/6)  
OG: Homeodomains.HG3.30:SIX3/SIX6  
PFAM: SIX1\_SD/Homeodomain  
motif: ARCH146\_Alx3/Alx4/Alx1\_Barx...  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 3  
gene expression correlation: 0.1062  
gene score correlation: 0.5097



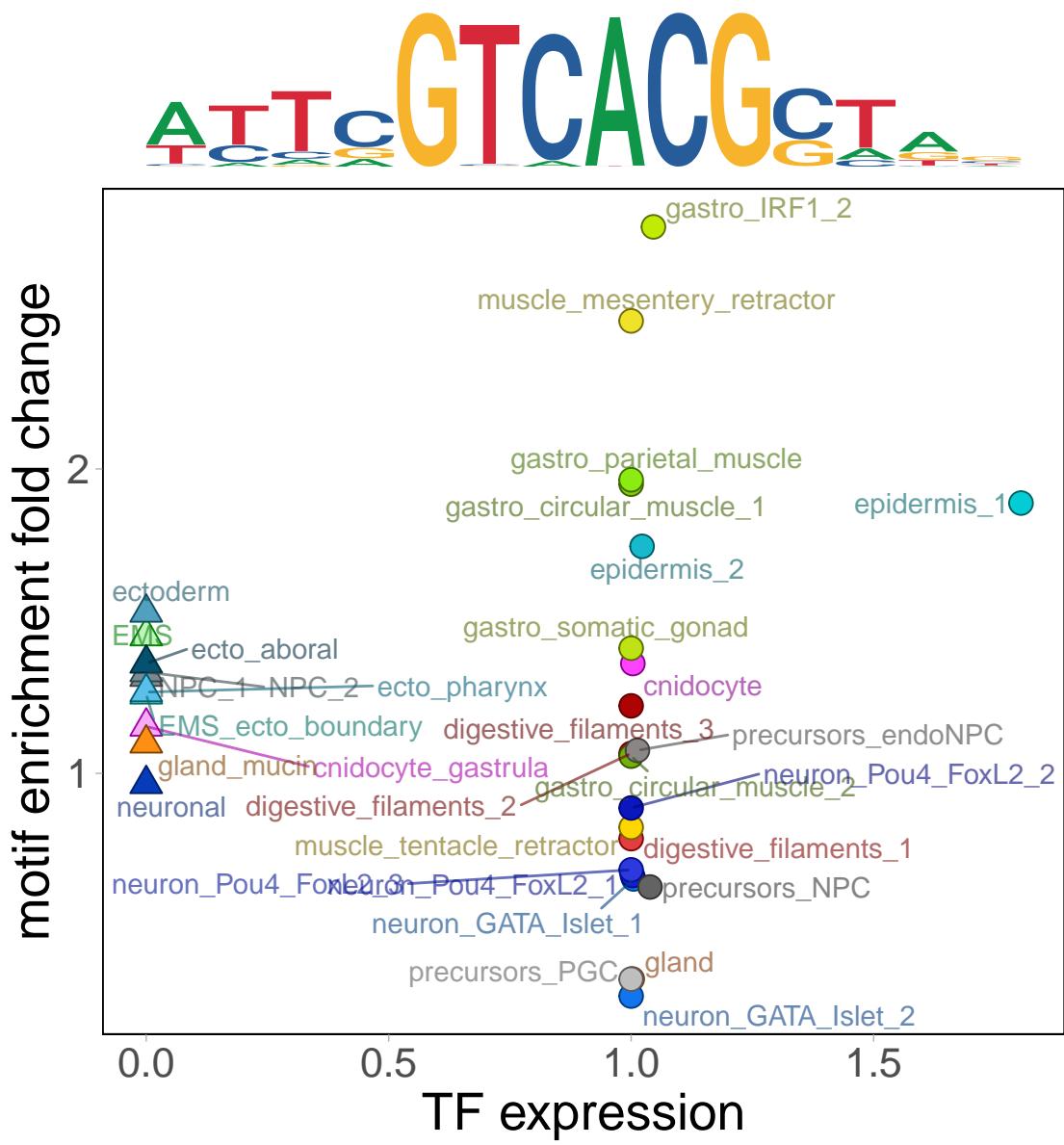
Nvec\_vc1.1\_XM\_001625950.3 (FoxC)  
OG: Forkhead.HG1.10:FOXC1/FOXC2  
PFAM: Forkhead  
motif: ARCH964\_Foxc2/Foxc1\_Foxg1/G  
TF family: Forkhead  
archetype family: Forkhead  
CisBP assigned: TRUE  
rank: 236  
gene expression correlation: 0.6074  
gene score correlation: 0.5424



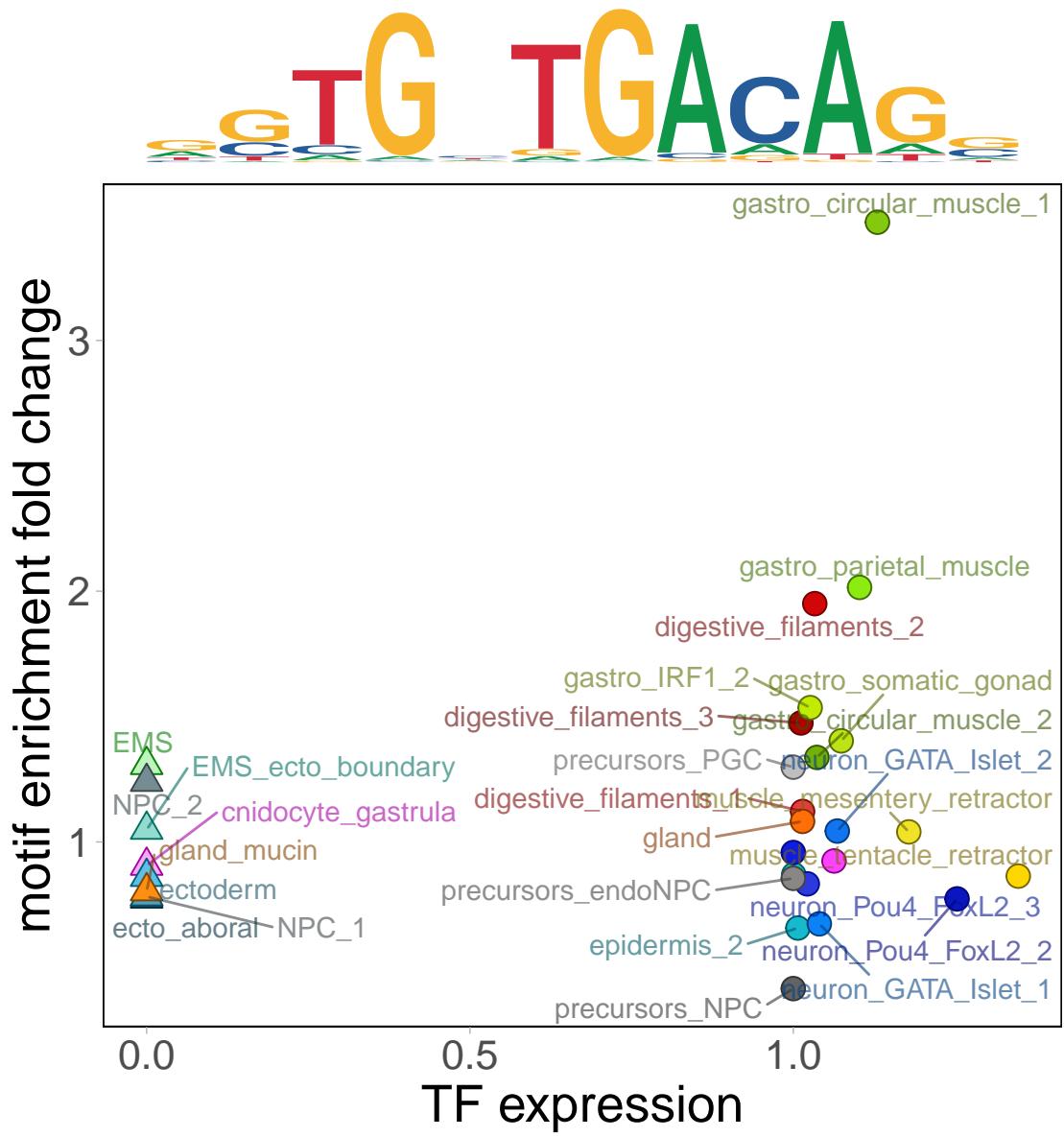
Nvec\_vc1.1\_XM\_001627136.3 (Tbx1/10)  
OG: T-box.HG1.13:TBX1/TBX10/TBX1  
PFAM: T-box  
motif: ARCH862\_Tbx18/Tbx22/Tbx15\_T  
TF family: T-box  
archetype family: T-box  
CisBP assigned: FALSE  
rank: 1  
gene expression correlation: 0.5816  
gene score correlation: 0.7565



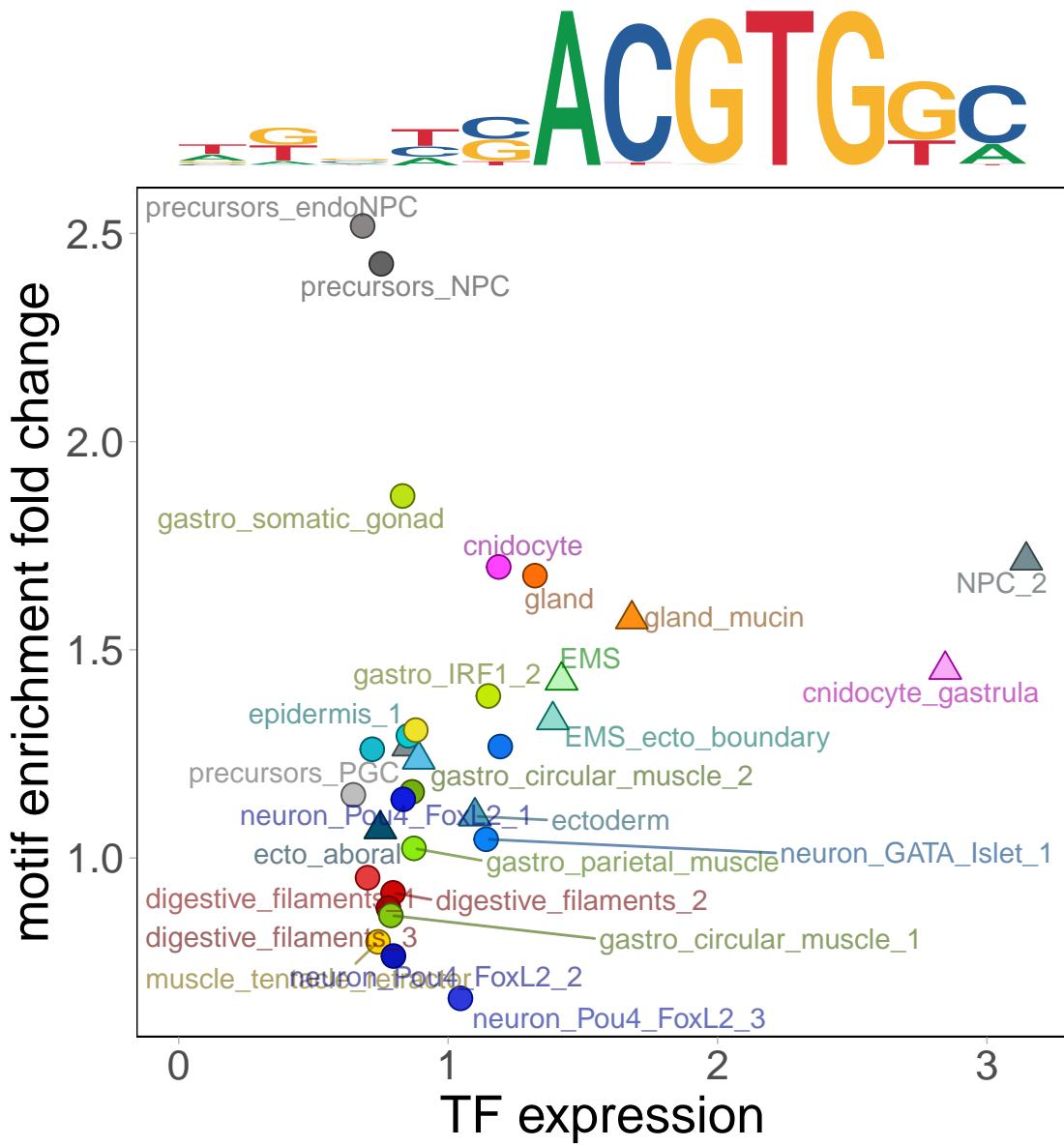
Nvec\_vc1.1\_XM\_001628635.3 (PAX3/7  
OG: Homeodomains.HG2.28:PAX3/PAX  
PFAM: PAX/Homeodomain  
motif: PAX3/7\_241030\_streme  
TF family: Pax/Homeodomain  
archetype family: Pax/Homeodomain  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.0015  
gene score correlation: 0.2008



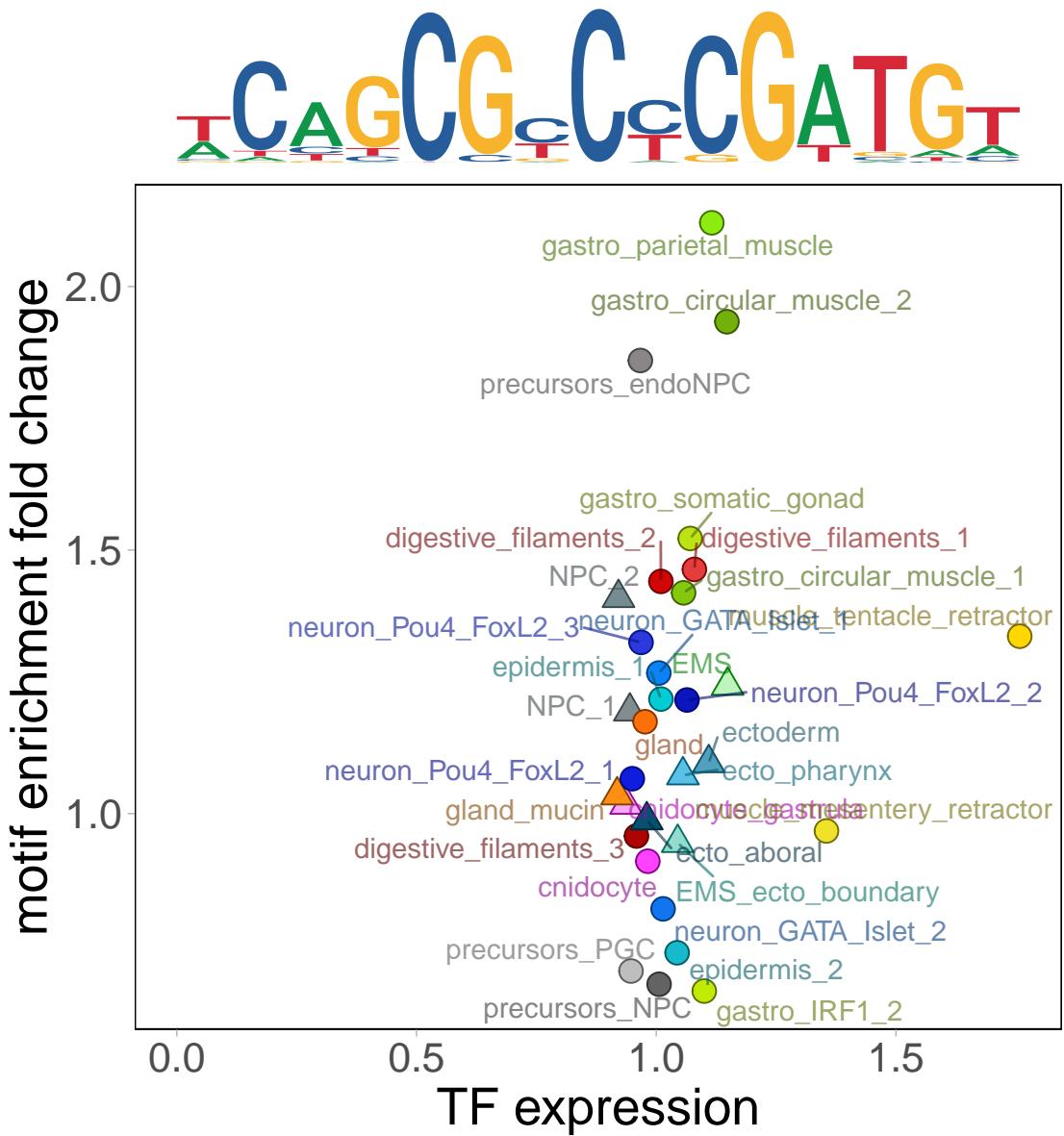
Nvec\_vc1.1\_XM\_001629218.3 (TBX20)  
OG: T-box.HG1.13:TBX1/TBX10/TBX1  
PFAM: T-box  
motif: ARCH862\_Tbx18/Tbx22/Tbx15\_T  
TF family: T-box  
archetype family: T-box  
CisBP assigned: TRUE  
rank: 4  
gene expression correlation: 0.2266  
gene score correlation: 0.7543



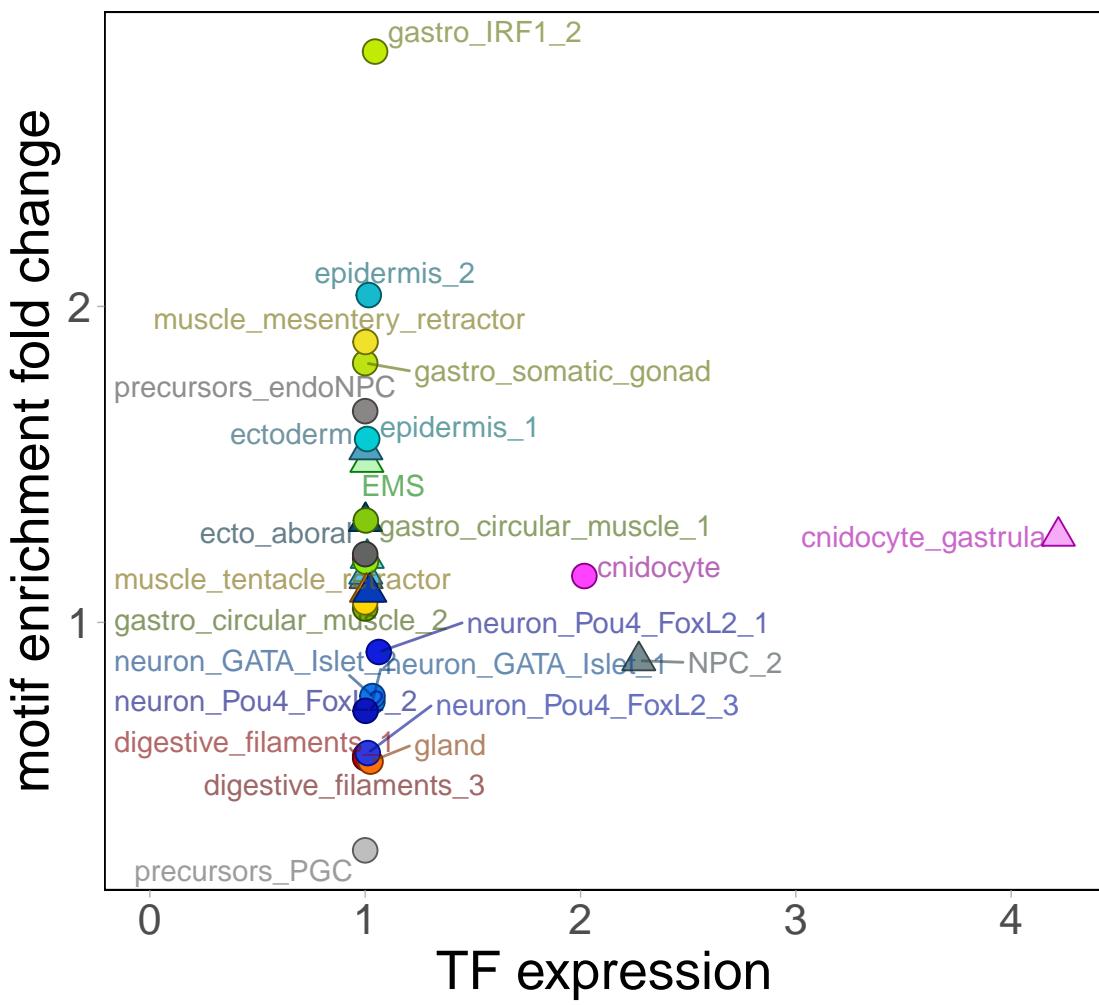
Nvec\_vc1.1\_XM\_001629694.3 (XBP1)  
OG: bZIP.HG1.16:XBP1  
PFAM: bZIP\_1  
motif: ARCH949\_bZIP48  
TF family: bZIP  
archetype family: bZIP  
CisBP assigned: FALSE  
rank: 19  
gene expression correlation: 0.2182  
gene score correlation: 0.2563



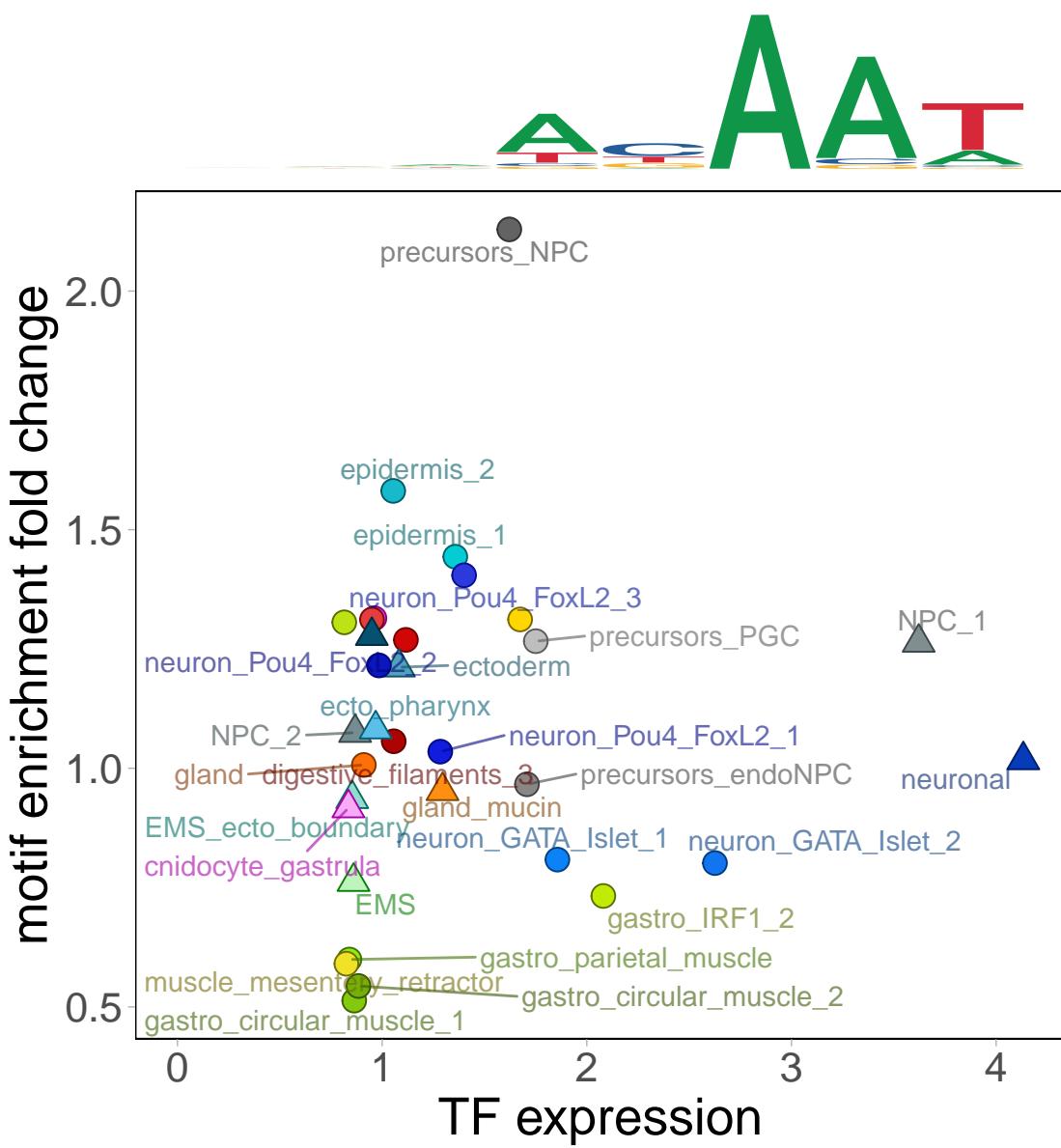
Nvec\_vc1.1\_XM\_001629987.3 (NvSoxB  
OG: HMGbox\_Sox.HG1.42:SOX8/SOX9  
PFAM: Sox\_N/HMG\_box  
motif: ARCH924\_/Lef1/Tcf7l1/Tcf7  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: FALSE  
rank: 200  
gene expression correlation: 0.1473  
gene score correlation: 0.3341



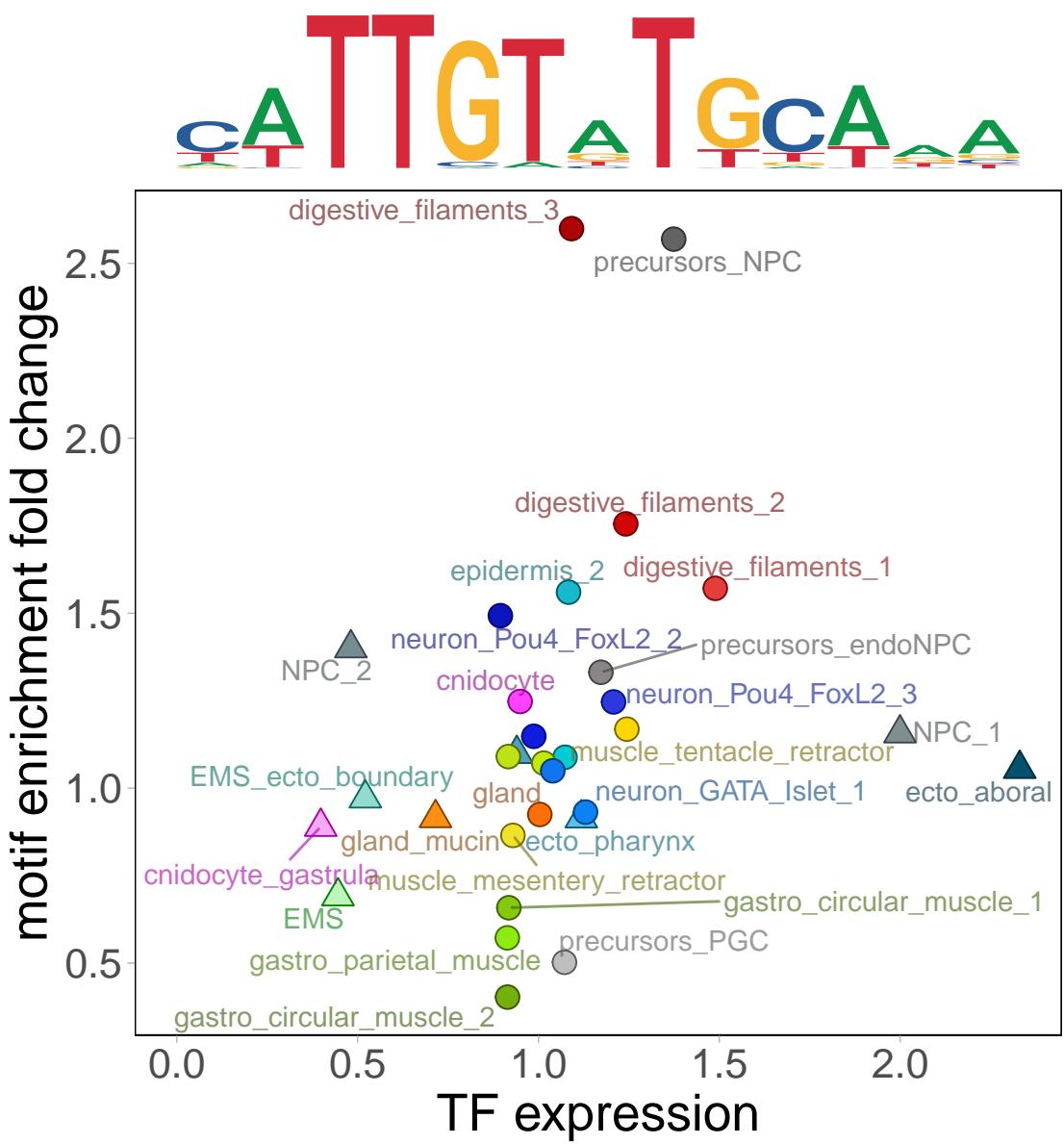
Nvec\_vc1.1\_XM\_001631763.3 (PaxA)  
OG: Homeodomains.HG2.49:like:PAX1/  
PFAM: PAX  
motif: PaxA\_241030\_dimont  
TF family: Pax  
archetype family: Pax  
CisBP assigned: TRUE  
rank: 0  
gene expression correlation: -0.0120  
gene score correlation: -0.0885



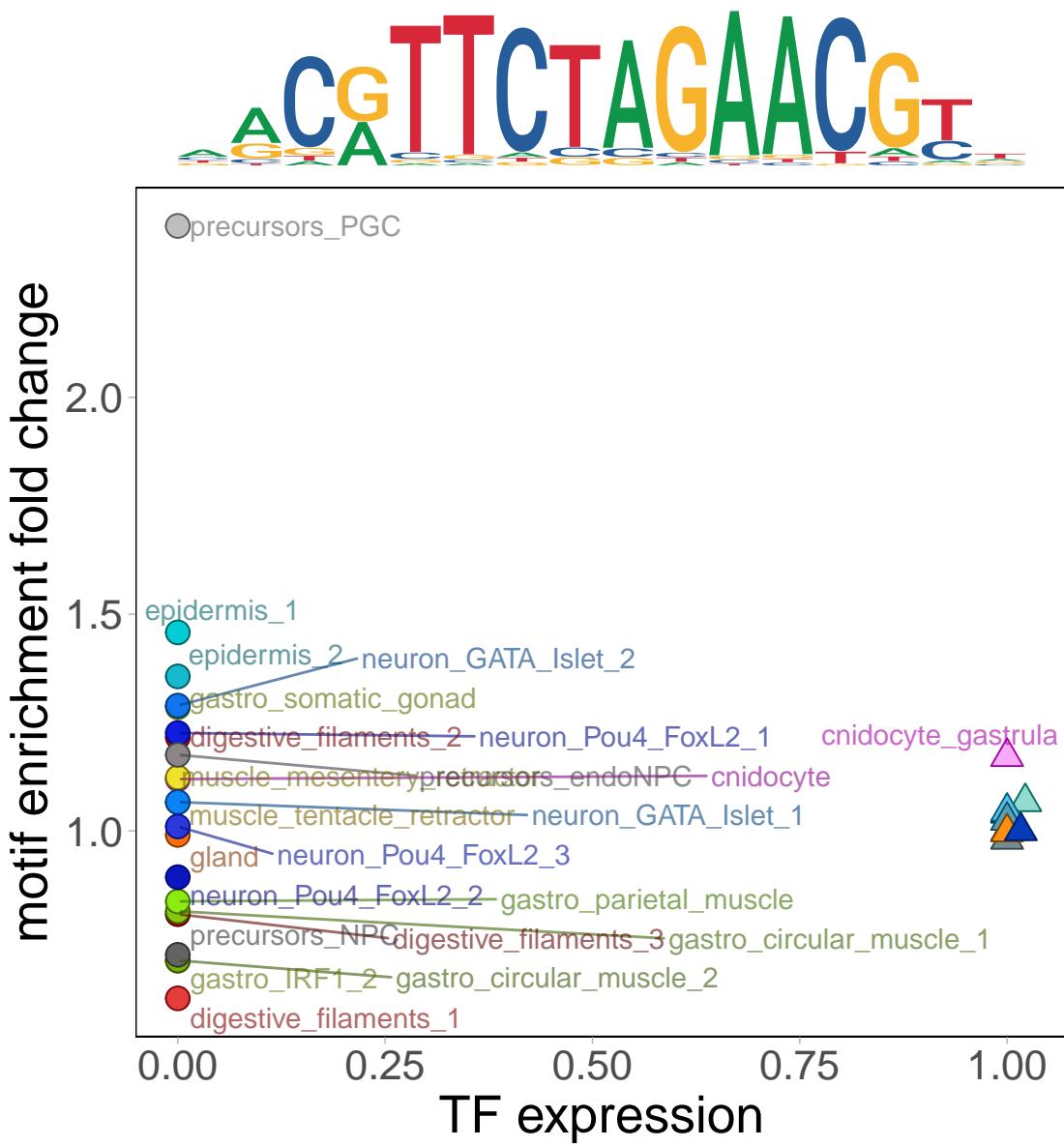
Nvec\_vc1.1\_XM\_001632568.3 (NvSoxE)  
OG: HMGbox\_Sox.HG1.34:SRY  
PFAM: HMG\_box  
motif: M00206\_2.00  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: TRUE  
rank: 0  
gene expression correlation: 0.0768  
gene score correlation: 0.6965



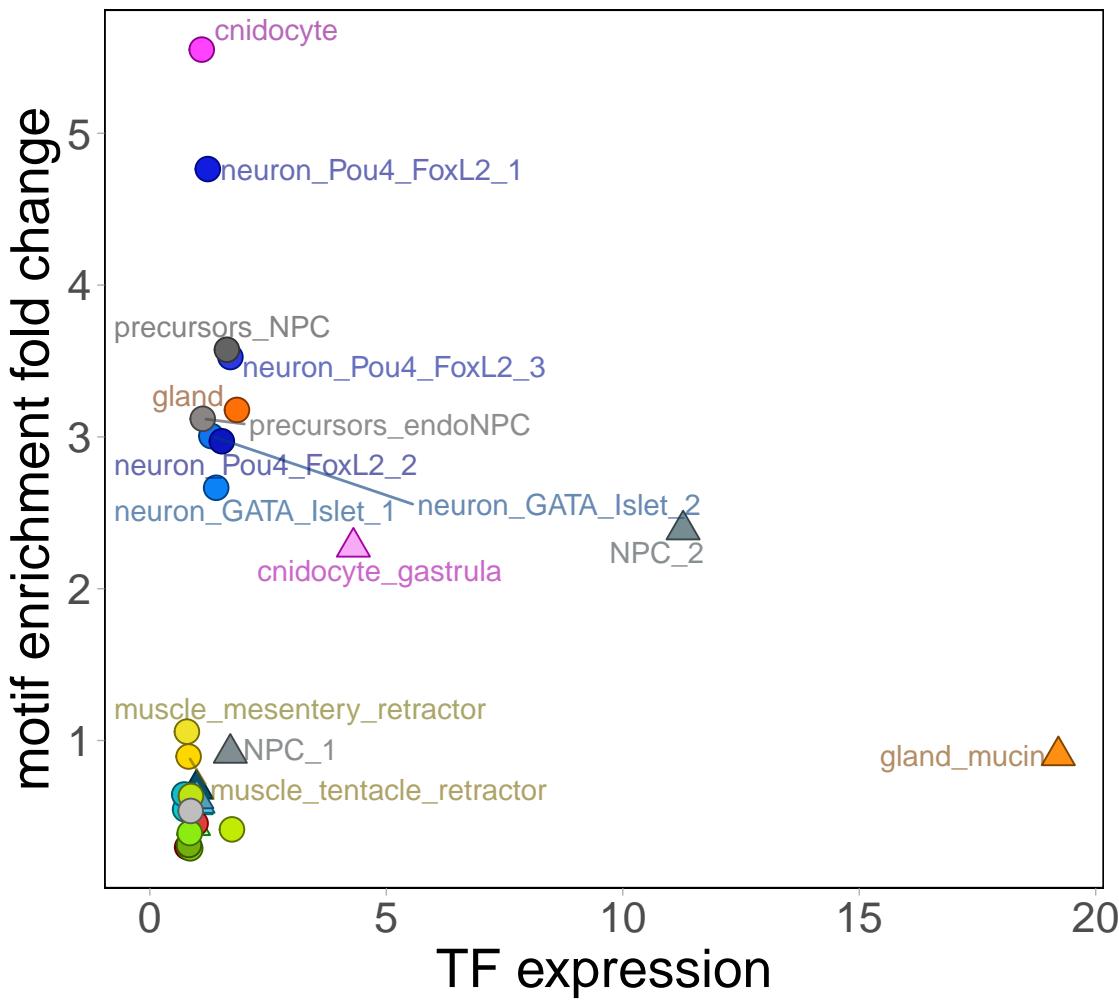
Nvec\_vc1.1\_XM\_001632947.3 (NvSoxE)  
OG: HMGbox\_Sox.HG1.35:SOX1/SOX2  
PFAM: HMG\_box/SOXP  
motif: ARCH67\_Oct4:Sox17  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: FALSE  
rank: 5  
gene expression correlation: 0.2478  
gene score correlation: 0.7476



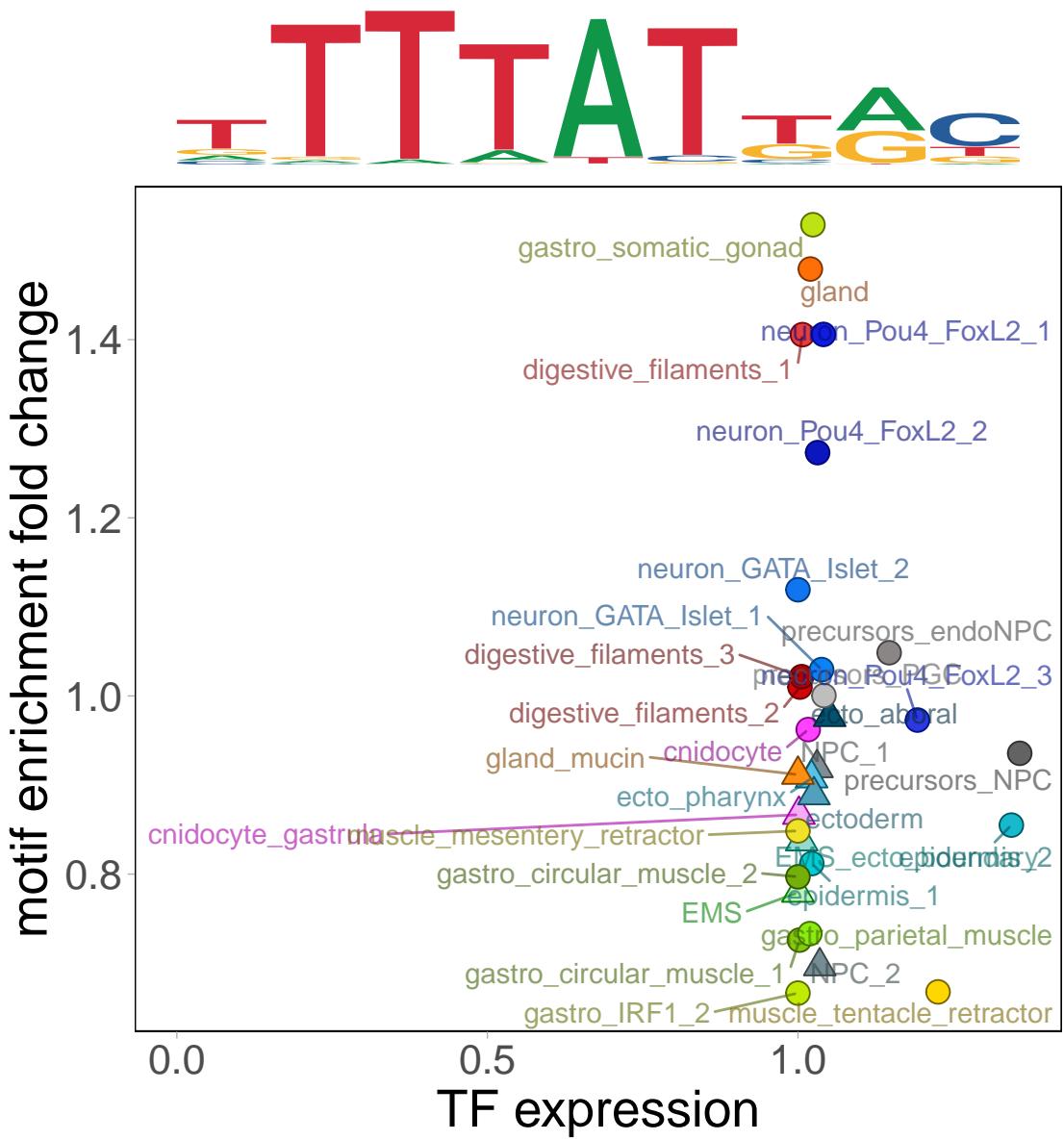
Nvec\_vc1.1\_XM\_001633014.3 (HSF-like)  
OG: HSF.HG1.4:like:HSF1/HSF2/HSF4  
PFAM: HSF\_DNA-bind  
motif: M05519\_2.00  
TF family: HSF  
archetype family: HSF  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.0786  
gene score correlation: -0.0785



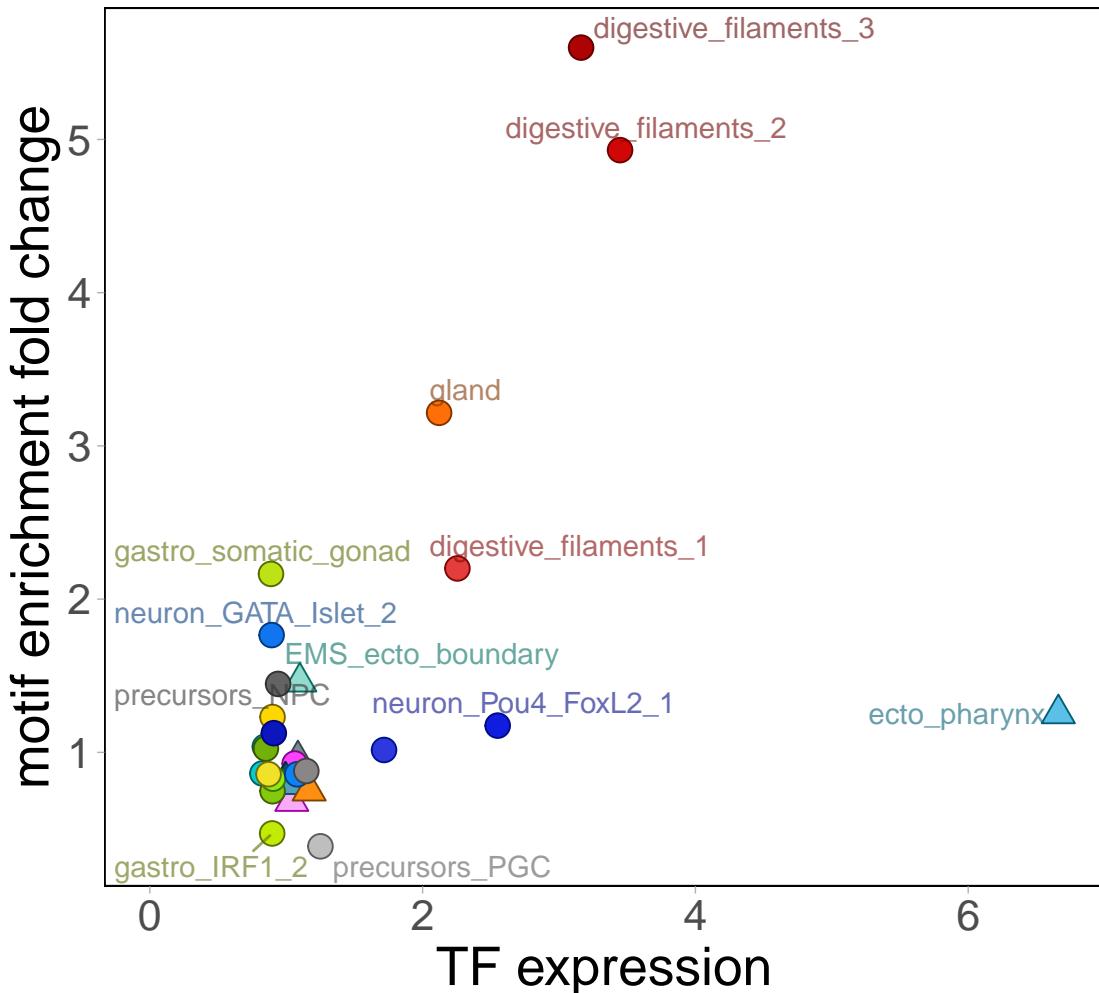
Nvec\_vc1.1\_XM\_001633819.3 (BHMG1)  
OG: HLH.HG1.3:BHMG1  
PFAM: HLH  
motif: ARCH867\_ZEB1\_\_PL0011.1\_hlh  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 10  
gene expression correlation: 0.0378  
gene score correlation: 0.7322



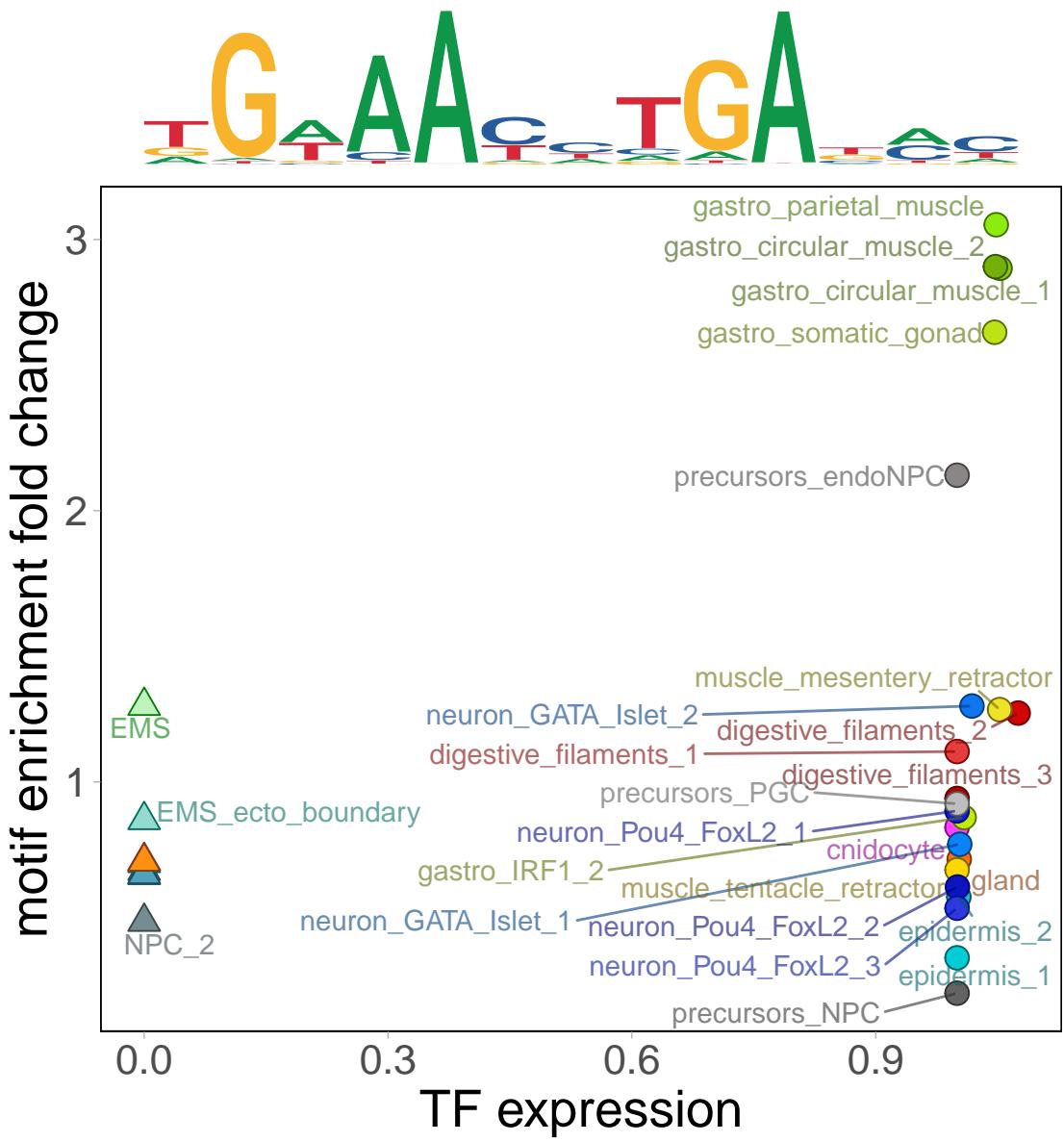
Nvec\_vc1.1\_XM\_001634202.3 (Anthox)  
OG: Homeodomains.HG1.58:HOXA1/H  
PFAM: Homeodomain  
motif: ARCH33\_Hoxa1/Hoxb1/Hoxd1  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: TRUE  
rank: 136  
gene expression correlation: -0.1114  
gene score correlation: -0.0560



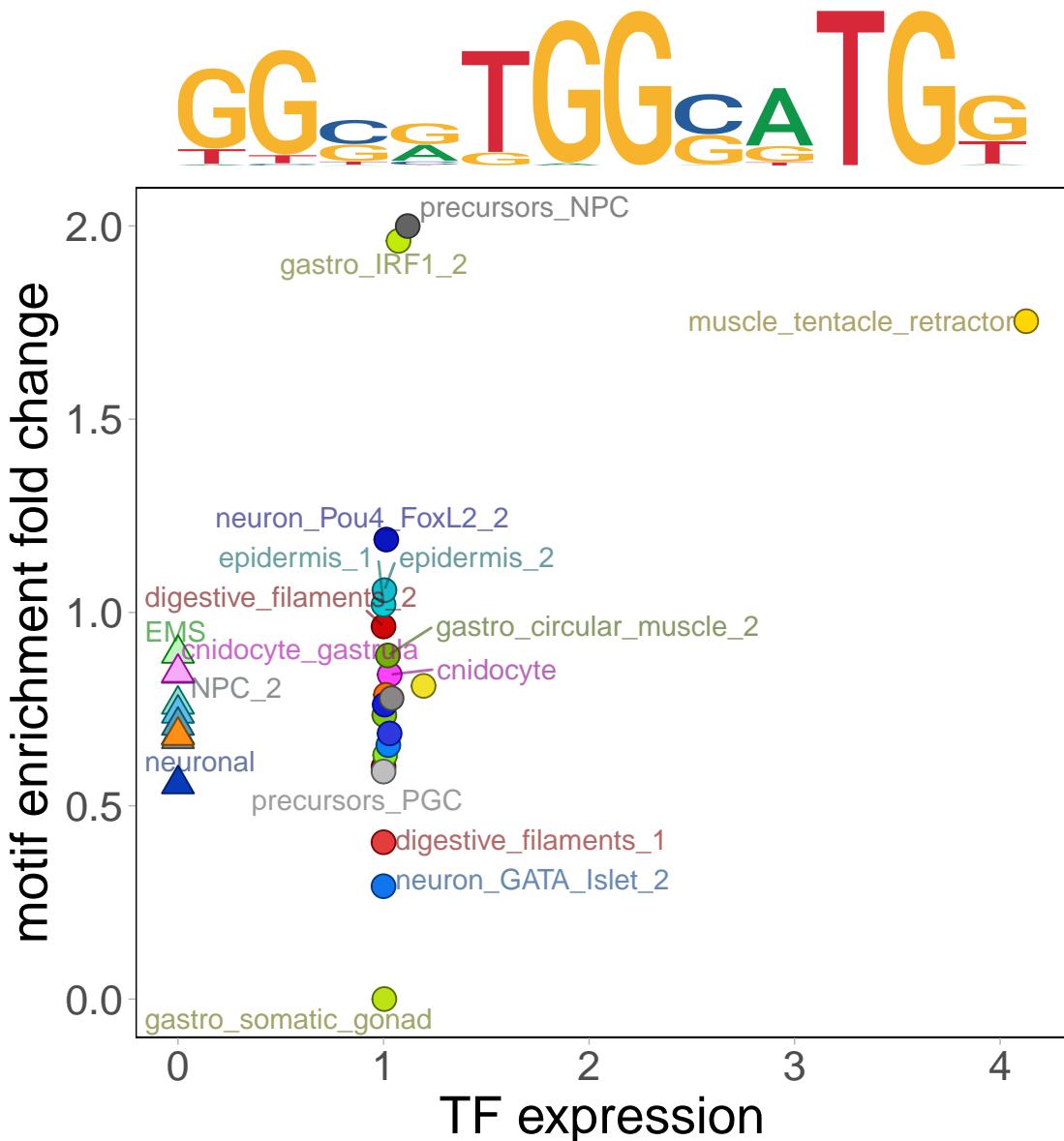
Nvec\_vc1.1\_XM\_001634505.3 (FoxA)  
OG: Forkhead.HG1.1:FOXA1/FOXA2/F  
PFAM: Forkhead\_N/Forkhead/HNF\_C  
motif: ARCH1291\_Fox:Ebox  
TF family: Forkhead  
archetype family: Forkhead  
CisBP assigned: FALSE  
rank: 1  
gene expression correlation: 0.4598  
gene score correlation: 0.9294



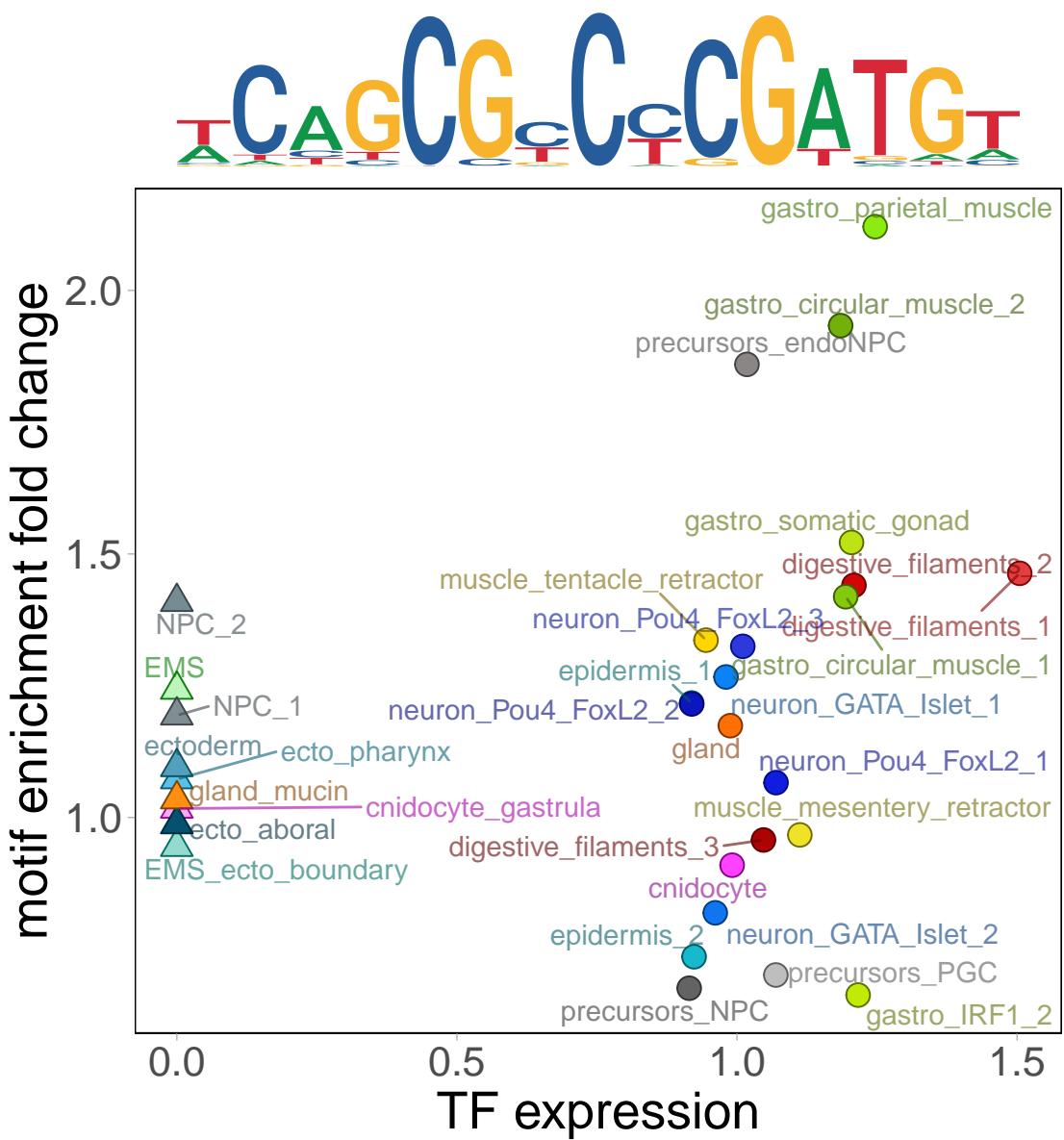
Nvec\_vc1.1\_XM\_001634715.3 (Lbx)  
OG: Homeodomains.HG1.29:LBX1/LBX  
PFAM: Homeodomain  
motif: ARCH1362\_Six1/\_Six4/Six5  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 3  
gene expression correlation: 0.3245  
gene score correlation: 0.5655



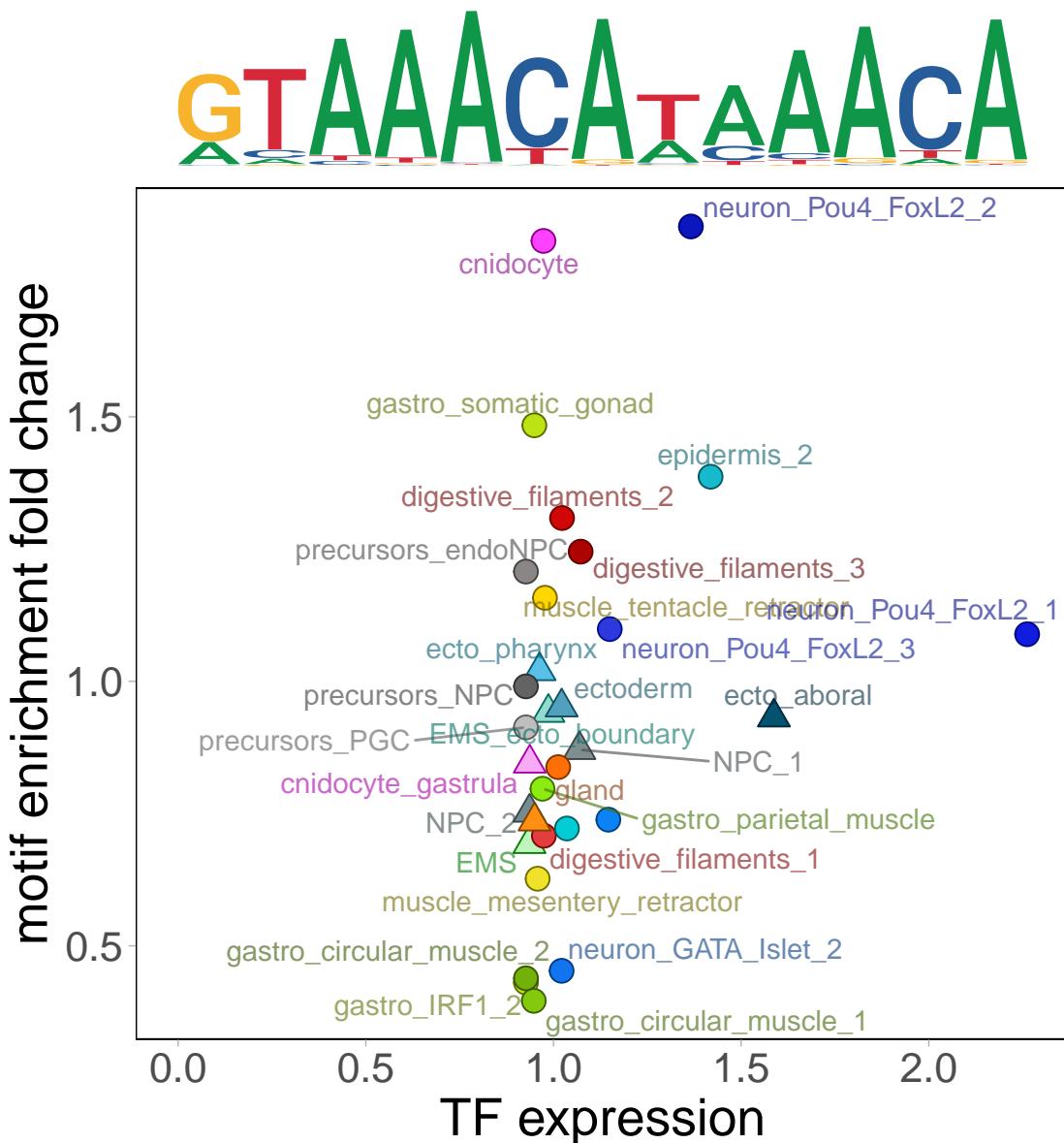
Nvec\_vc1.1\_XM\_001634938.2 (Nem64)  
OG: HLH.HG1.93:like:SCX/TCF15  
PFAM: HLH  
motif: Nem64\_241030\_homer  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.4089  
gene score correlation: 0.6262



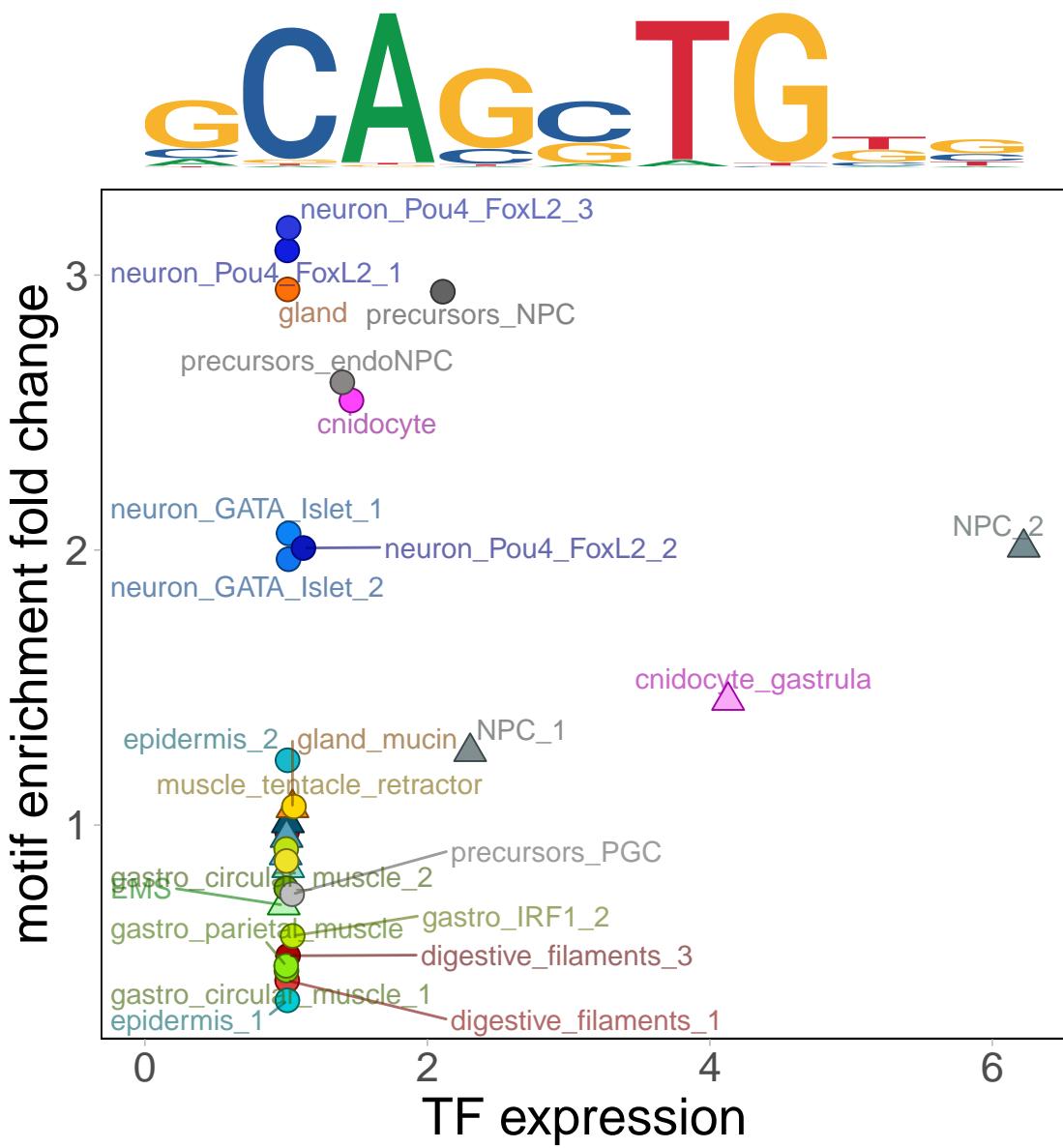
Nvec\_vc1.1\_XM\_001636155.3 (NvSoxR)  
OG: HMGbox\_Sox.HG1.16:like:PINX1/S  
PFAM: HMG\_box  
motif: ARCH924\_/Lef1/Tcf7l1/Tcf7  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: FALSE  
rank: 377  
gene expression correlation: 0.2321  
gene score correlation: 0.4633



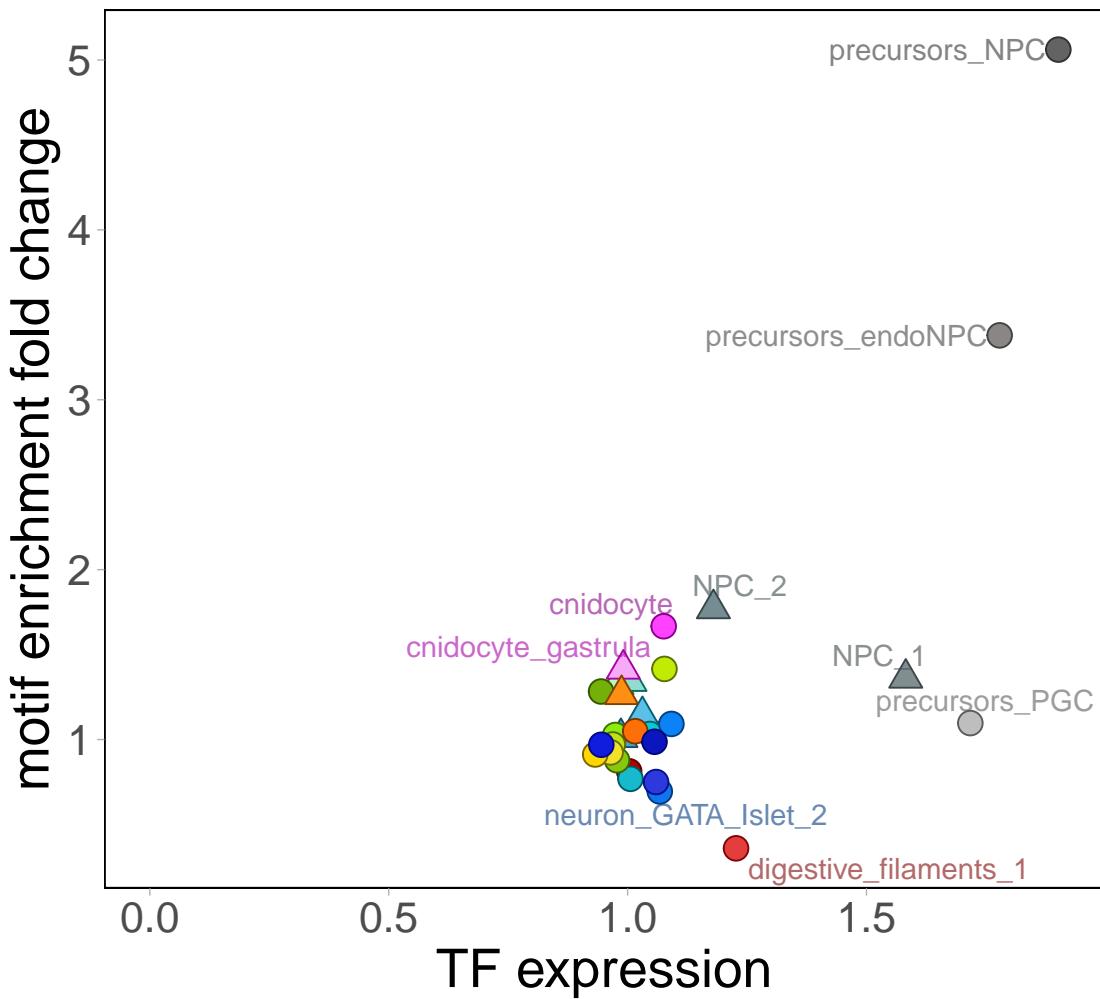
Nvec\_vc1.1\_XM\_001636889.3 (FoxJ1)  
OG: Forkhead.HG1.24:FOXJ1  
PFAM: Forkhead  
motif: ARCH975\_Foxd2/Foxd4/Foxd3/F.  
TF family: Forkhead  
archetype family: Forkhead  
CisBP assigned: FALSE  
rank: 1  
gene expression correlation: 0.2612  
gene score correlation: 0.4427



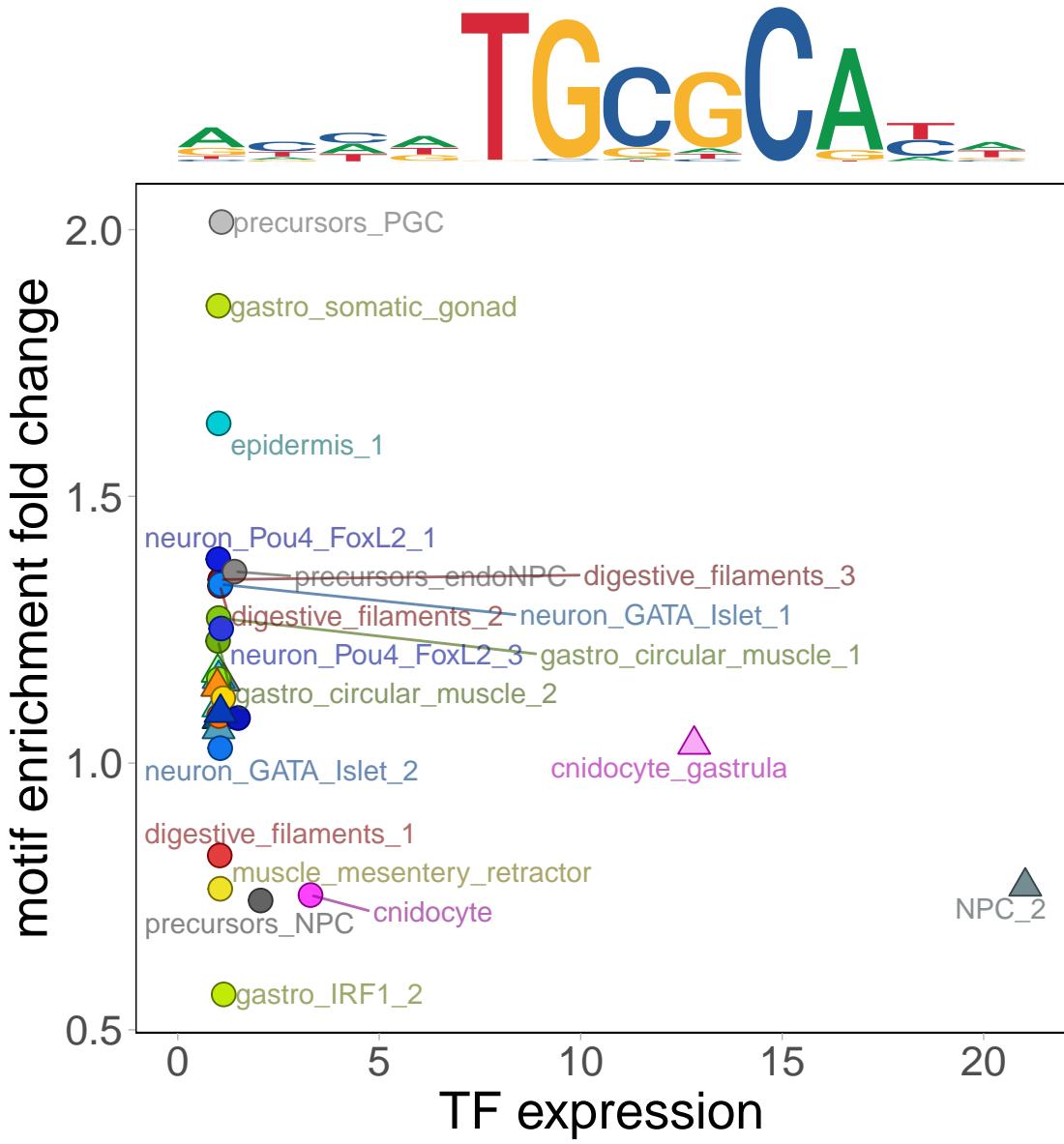
Nvec\_vc1.1\_XM\_001639701.3 (NvSox2  
OG: HMGbox\_Sox.HG1.14:like:SOX1/S  
PFAM: HMG\_box  
motif: ARCH482\_/Lef1/Tcf7l1/Tcf7  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: FALSE  
rank: 49  
gene expression correlation: 0.2103  
gene score correlation: 0.4954



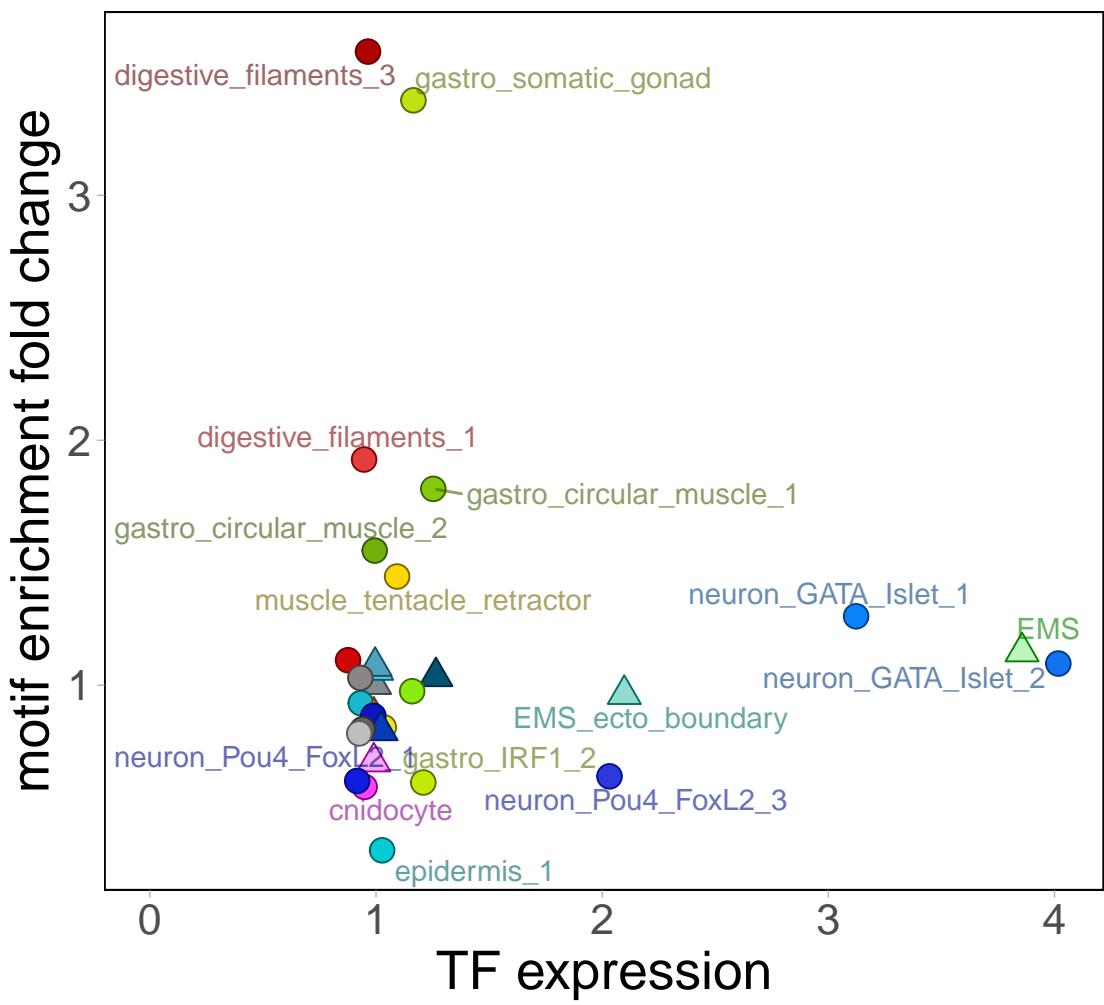
Nvec\_vc1.1\_XM\_001640809.3 (Myc2)  
OG: HLH.HG1.29:MYC/MYCL/MYCN  
PFAM: Myc\_N/HLH  
motif: ARCH783\_bHLH18\_MNT  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 76  
gene expression correlation: 0.7220  
gene score correlation: 0.9140



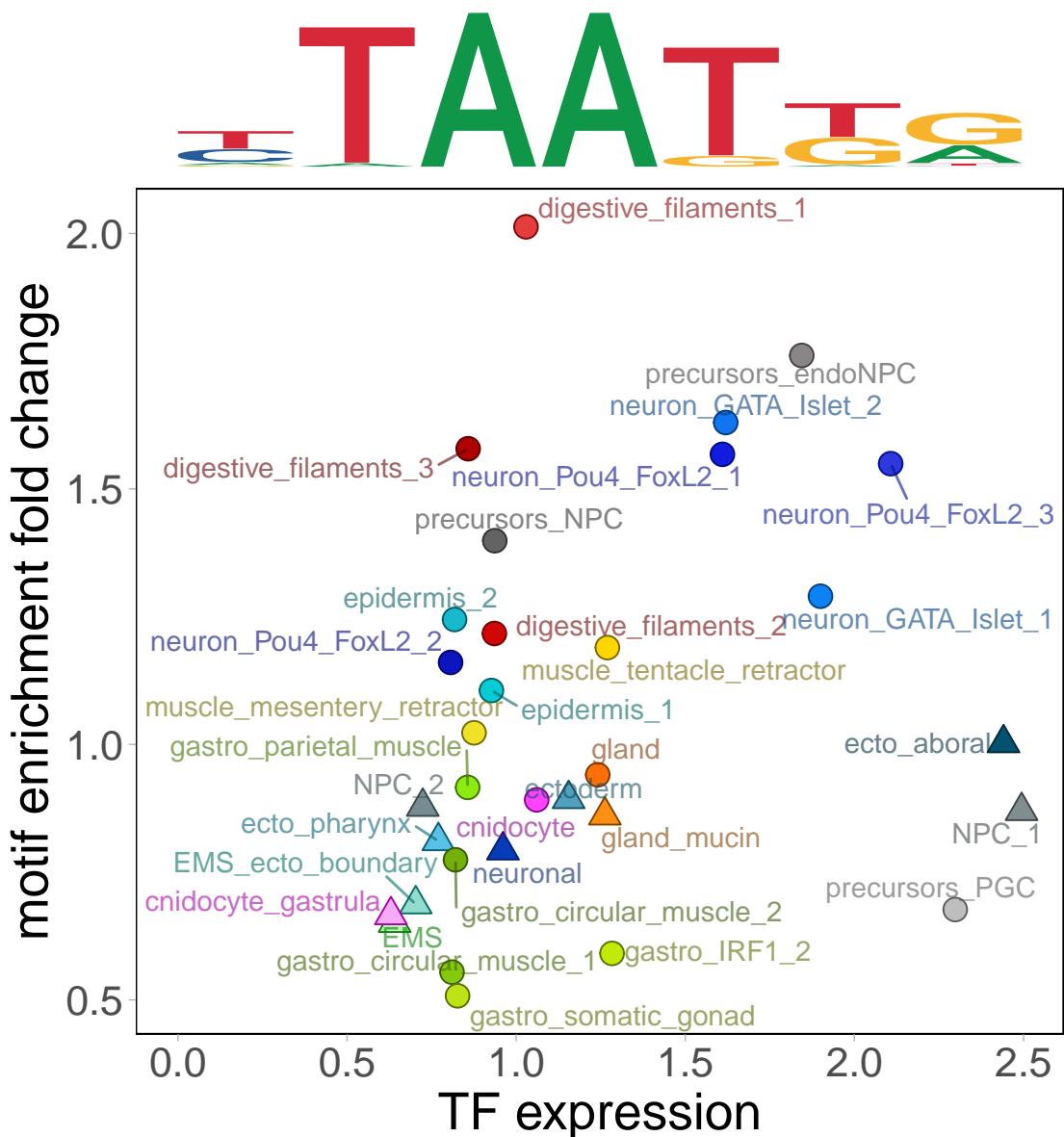
Nvec\_vc1.1\_XM\_001641129.3 (ZNF845)  
OG: zf-C2H2.HG3.8:like:ZNF770  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-H  
motif: ZNF845\_241030\_homer  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.2802  
gene score correlation: -0.3686



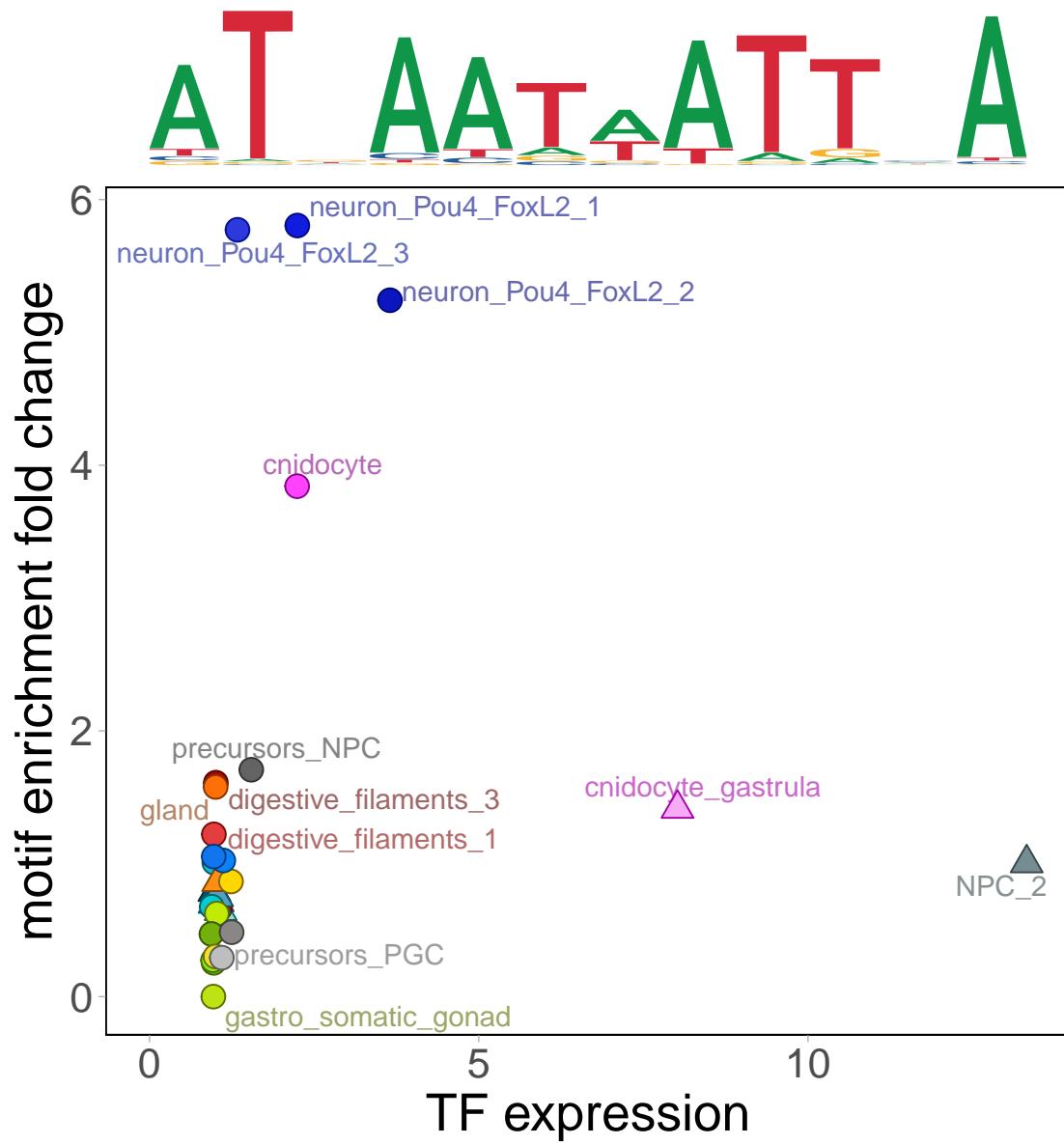
Nvec\_vc1.1\_XM\_001647471.3 (OtxC)  
OG: Homeodomains.HG2.46:CRX/OTX  
PFAM: Homeodomain  
motif: M03808\_2.00  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.0122  
gene score correlation: 0.0240



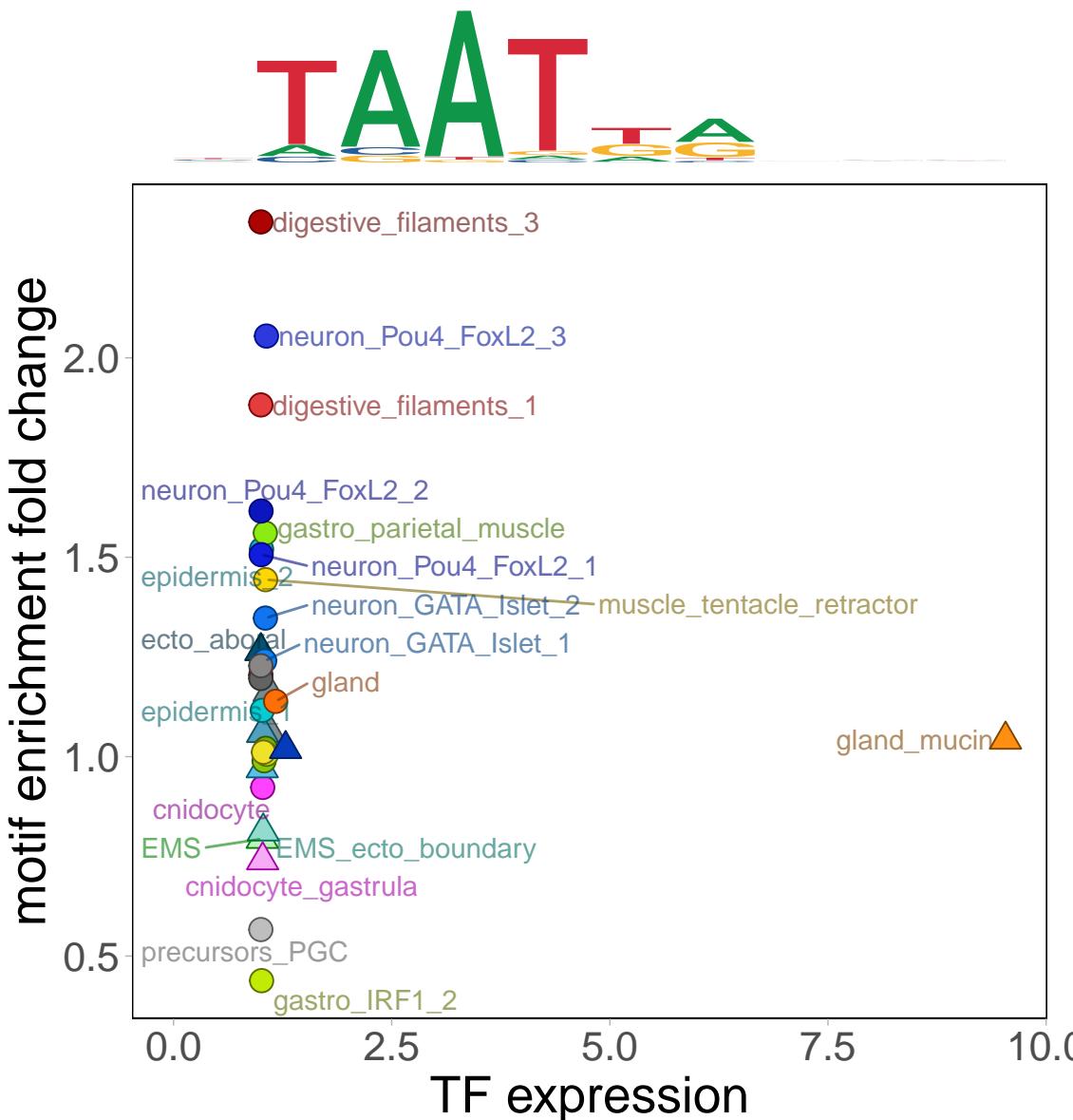
Nvec\_vc1.1\_XM\_032362713.2 (Islet)  
OG: Homeodomains.HG2.19:ISL1/ISL2  
PFAM: LIM/LIM/Homeodomain  
motif: M06272\_2.00  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.2512  
gene score correlation: 0.3204



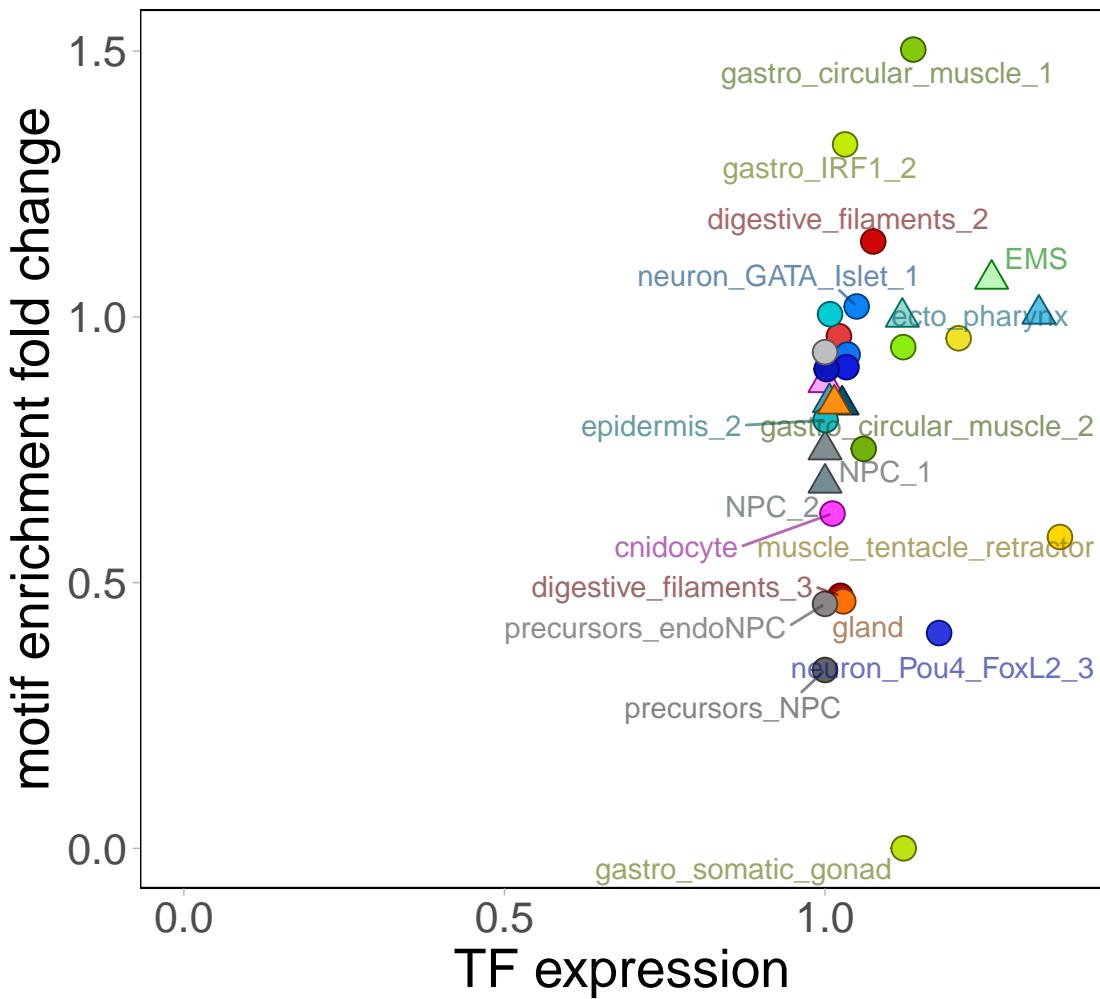
Nvec\_vc1.1\_XM\_032363992.2 (Pou4)  
OG: Homeodomains.HG4.6:POU4F1/POU4F2  
PFAM: Pou/Homeodomain  
motif: ARCH56\_POU4F1  
TF family: Pou/Homeodomain  
archetype family: Pou/Homeodomain  
CisBP assigned: FALSE  
rank: 1  
gene expression correlation: 0.1358  
gene score correlation: 0.8433



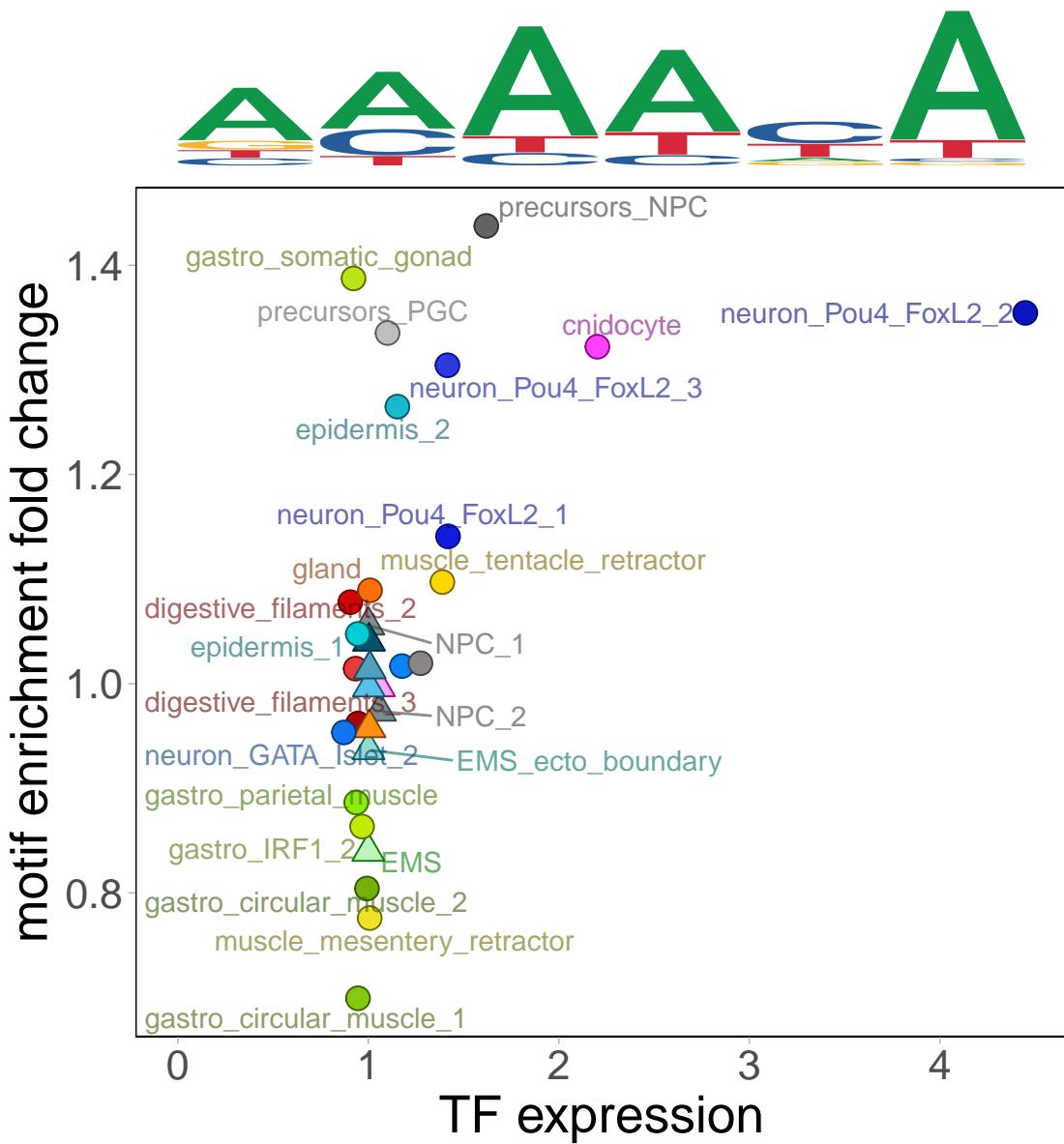
Nvec\_vc1.1\_XM\_032364773.2 (NOTO)  
OG: Homeodomains.HG1.59:like:NOTO  
PFAM: Homeodomain  
motif: M02154\_2.00  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.0733  
gene score correlation: 0.0045



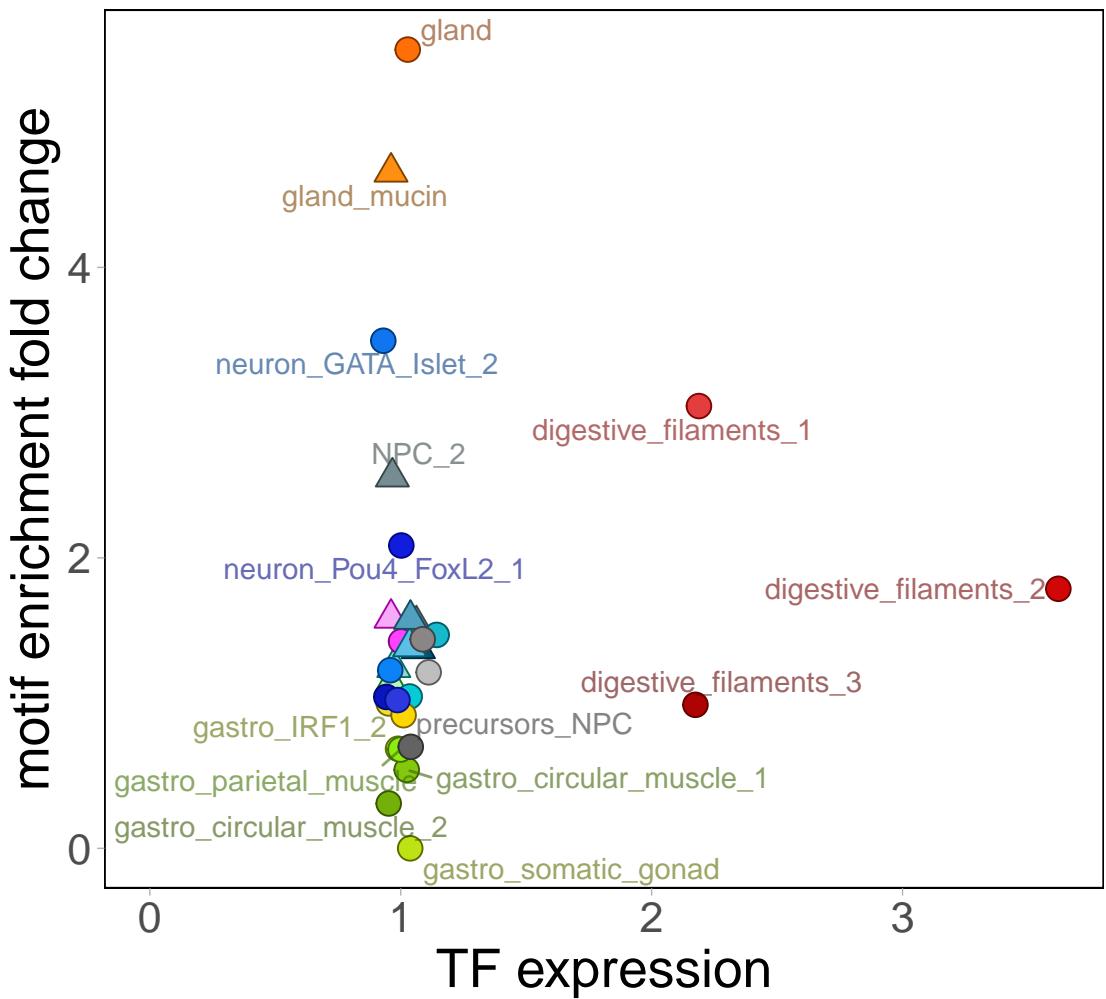
Nvec\_vc1.1\_XM\_032364784.2 (Hhex)  
OG: Homeodomains.HG1.28:HHEX  
PFAM: Homeodomain  
motif: ARCH927\_Emx1/Emx2\_Gbx1/Gb  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 210  
gene expression correlation: 0.0770  
gene score correlation: 0.1760



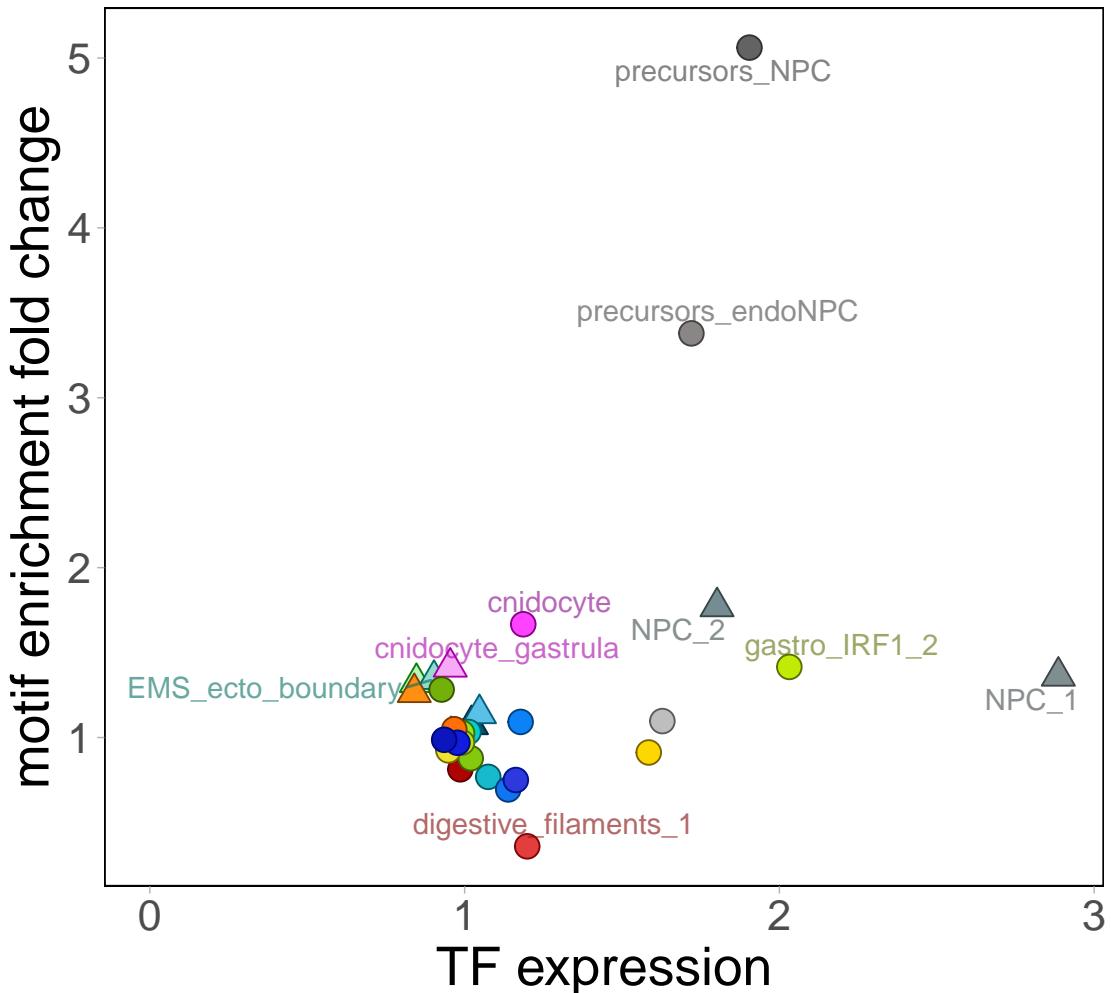
Nvec\_vc1.1\_XM\_032364887.2 (FoxL2)  
OG: Forkhead.HG1.20:FOXL2  
PFAM: Forkhead  
motif: ARCH1102\_Foxa3/Foxa1/Foxa2\_  
TF family: Forkhead  
archetype family: Forkhead  
CisBP assigned: TRUE  
rank: 9  
gene expression correlation: 0.4921  
gene score correlation: 0.6106



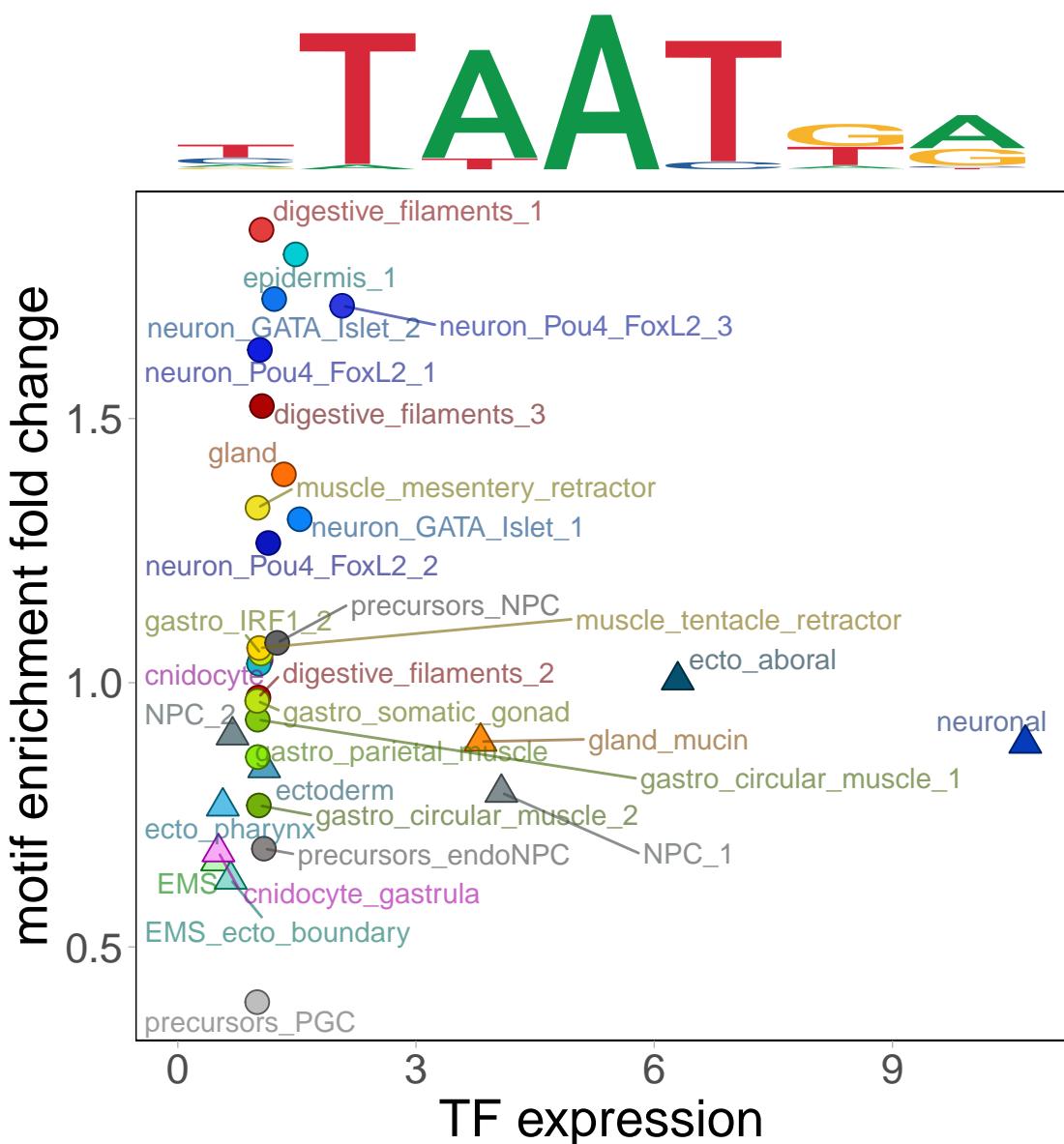
Nvec\_vc1.1\_XM\_032365096.2 (Rfx4/6/8)  
OG: RFX.HG1.7:RFX6  
PFAM: RFX\_DNA\_binding  
motif: ARCH1359\_Rfx1/Rfx3/Rfx2\_Rfx6  
TF family: RFX  
archetype family: RFX  
CisBP assigned: TRUE  
rank: 122  
gene expression correlation: 0.0728  
gene score correlation: -0.0164



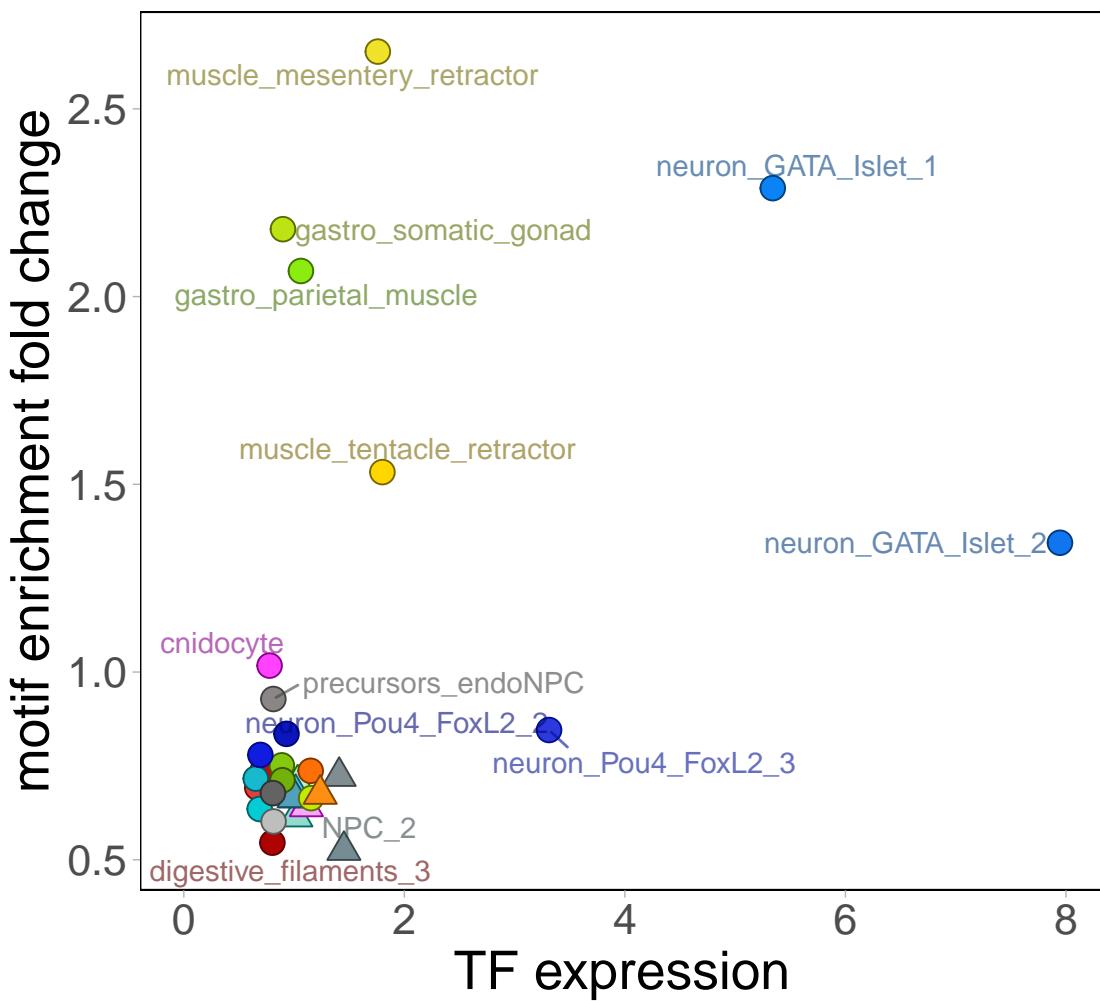
Nvec\_vc1.1\_XM\_032366098.2 (Ptx1)  
OG: HLH.HG1.29:MYC/MYCL/MYCN  
PFAM: HLH  
motif: ARCH783\_bHLH18\_MNT  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 54  
gene expression correlation: 0.4245  
gene score correlation: 0.9110



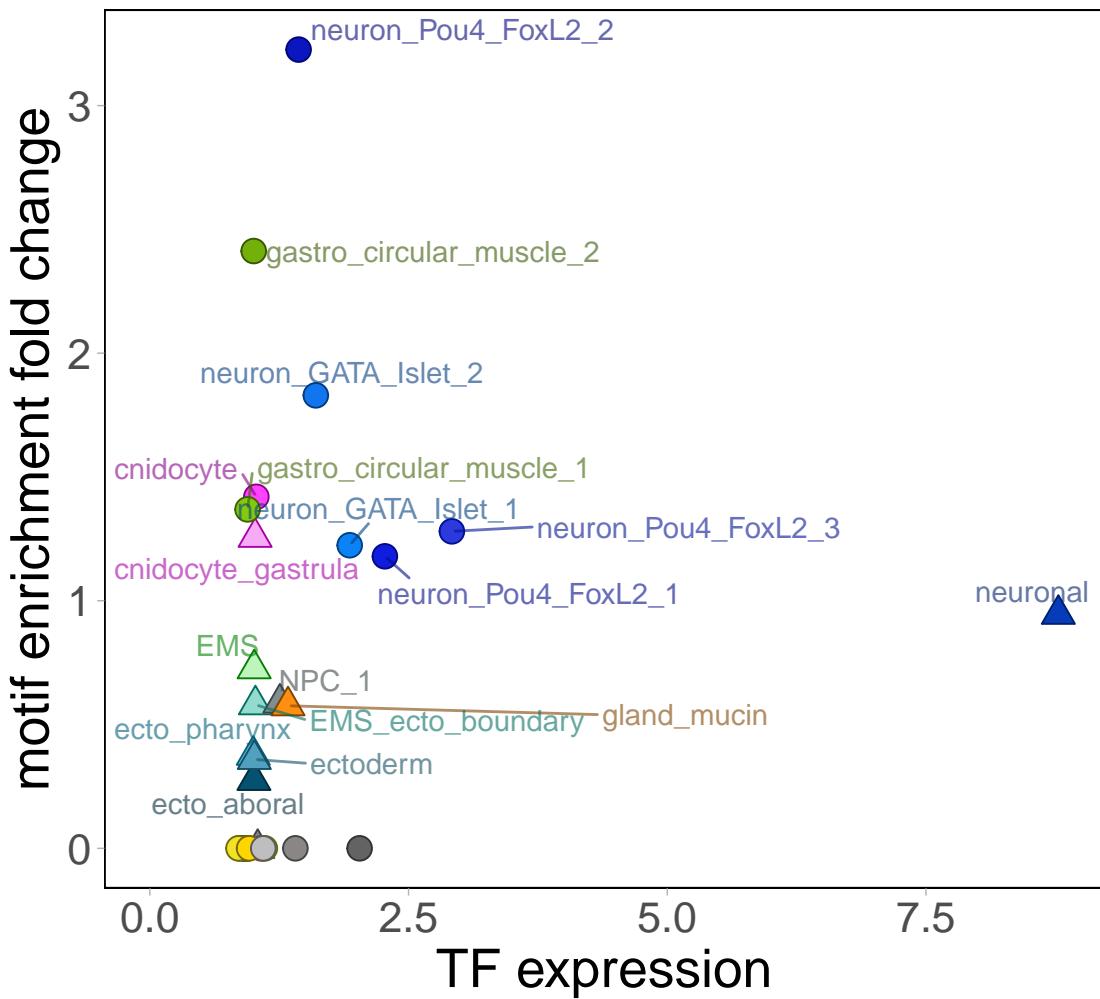
Nvec\_vc1.1\_XM\_032366733.2 (Anthox1)  
OG: Homeodomains.HG1.68:AC004080  
PFAM: Homeodomain  
motif: M06267\_2.00  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.0612  
gene score correlation: 0.4799



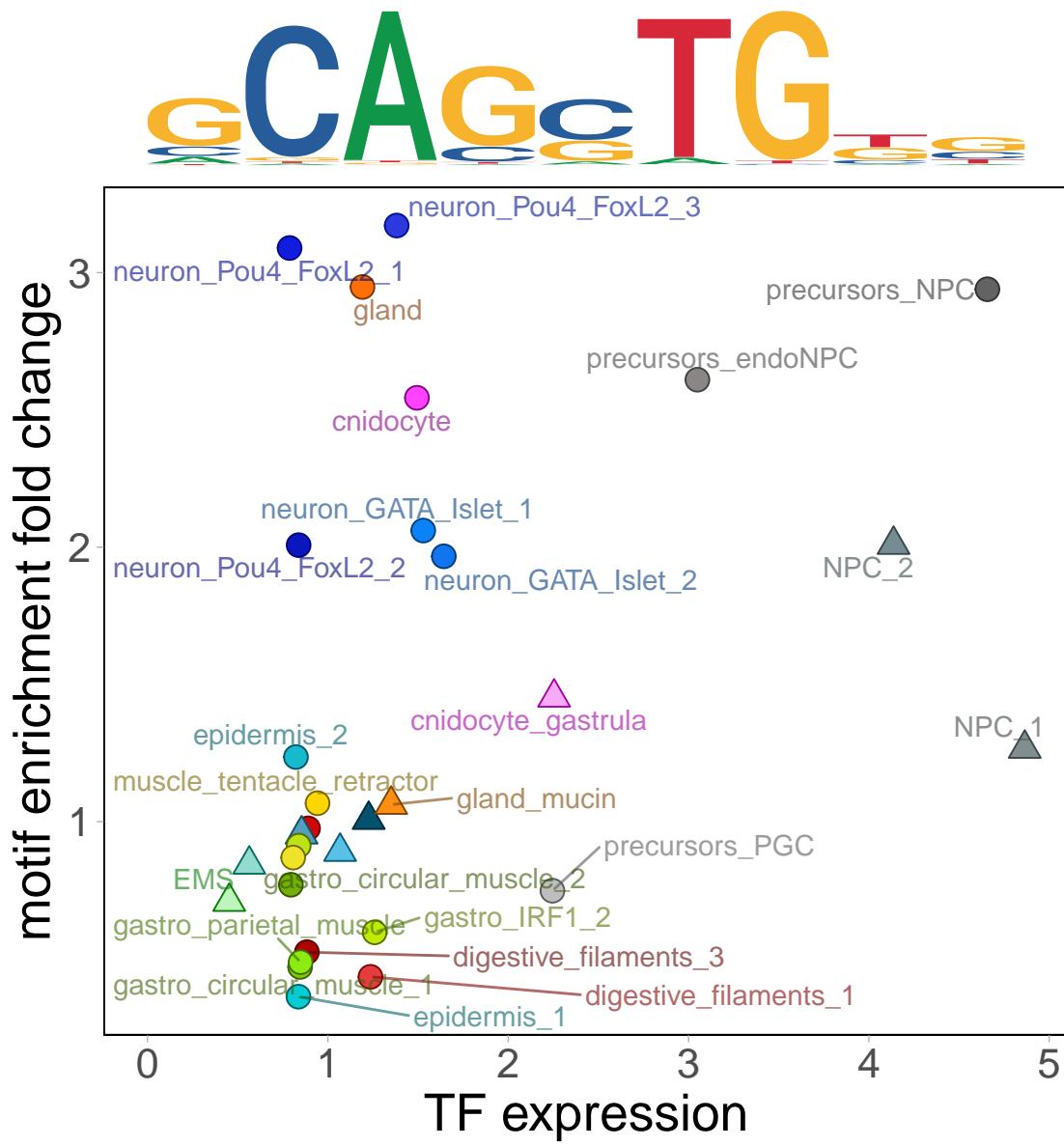
Nvec\_vc1.1\_XM\_032367288.2 (GATA)  
OG: GATA.HG1.5:GATA1/GATA2/GATA3  
PFAM: GATA/GATA  
motif: ARCH1455\_Gata3/Gata1/Gata2  
TF family: GATA  
archetype family: GATA  
CisBP assigned: TRUE  
rank: 3  
gene expression correlation: 0.3875  
gene score correlation: 0.8414



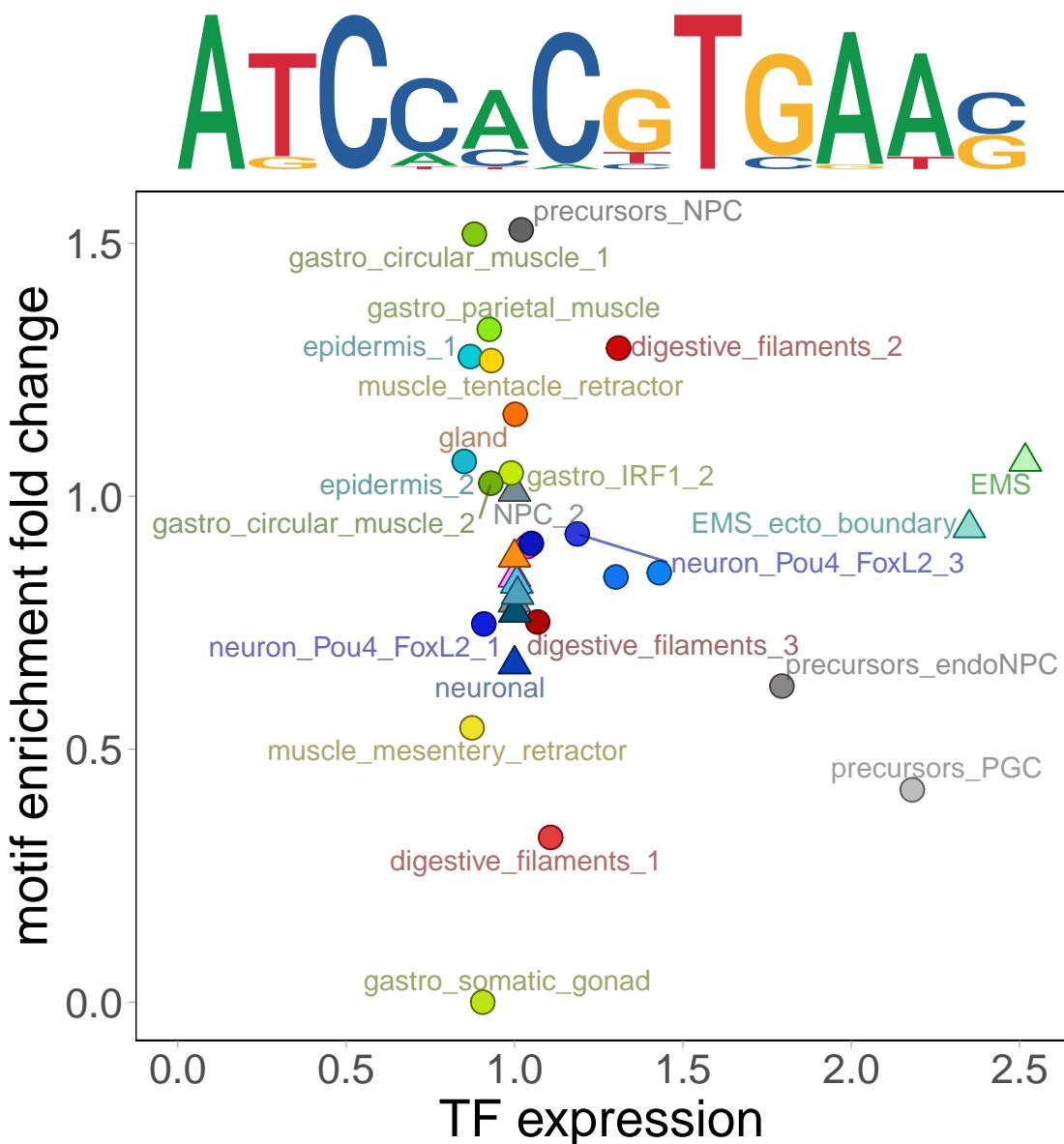
Nvec\_vc1.1\_XM\_032370984.2 (AshA)  
OG: HLH.HG1.58:like:ASCL1/ASCL2/AS  
PFAM: HLH  
motif: AshA\_250224\_streme  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.1800  
gene score correlation: 0.4723



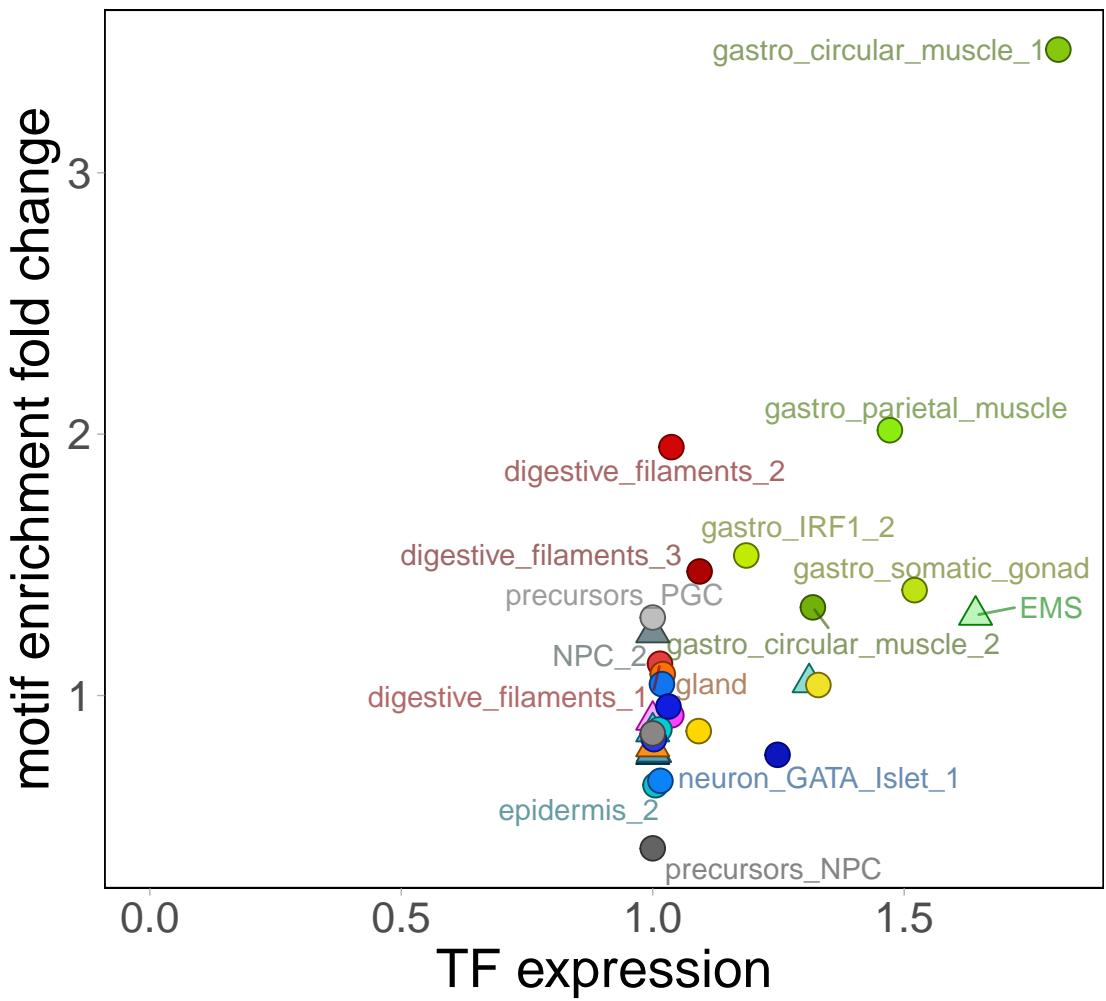
Nvec\_vc1.1\_XM\_032372264.2 (NvSoxC)  
OG: HMGbox\_Sox.HG1.11:SOX4/SOX1  
PFAM: HMG\_box  
motif: ARCH482\_/Lef1/Tcf7l1/Tcf7  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: FALSE  
rank: 20  
gene expression correlation: 0.3844  
gene score correlation: 0.6544



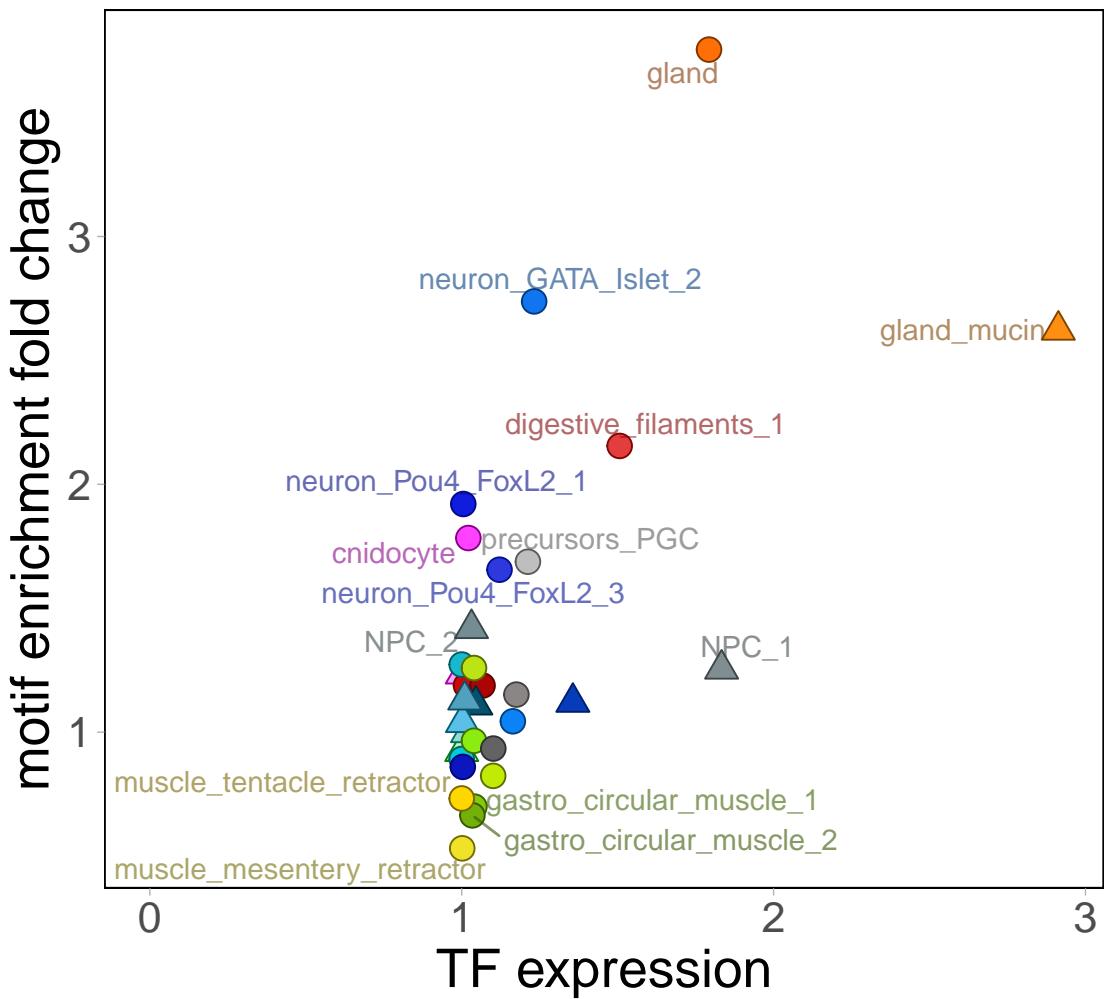
Nvec\_vc1.1\_XM\_032373618.2 (Nkx-2.2)  
OG: Homeodomains.HG1.19:NKX2-1/N  
PFAM: Homeodomain  
motif: Nkx-2.2a\_241030\_streme  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.1263  
gene score correlation: 0.0384



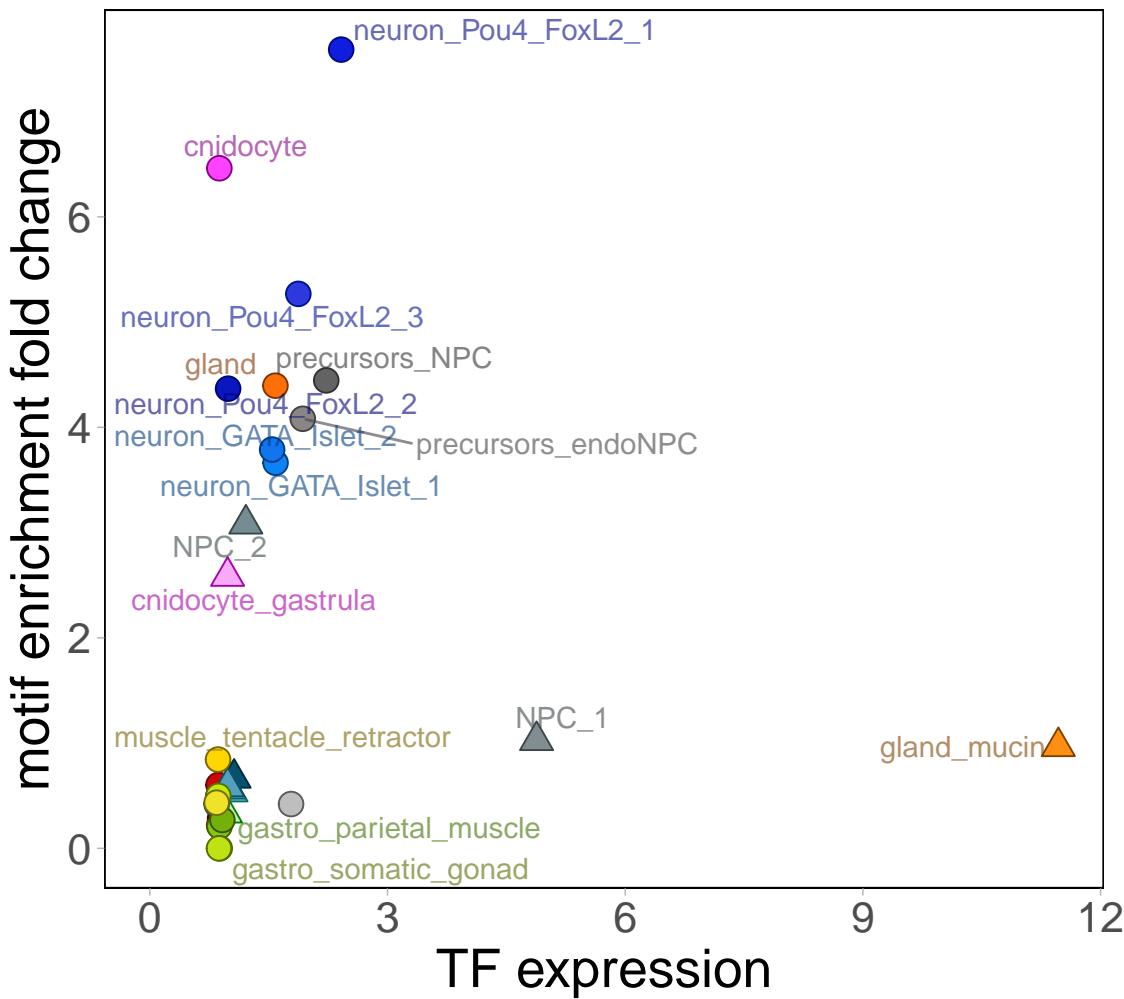
Nvec\_vc1.1\_XM\_032374843.2 (Tbx1/10)  
OG: T-box.HG1.13:TBX1/TBX10/TBX1  
PFAM: T-box  
motif: ARCH862\_Tbx18/Tbx22/Tbx15\_T  
TF family: T-box  
archetype family: T-box  
CisBP assigned: FALSE  
rank: 1  
gene expression correlation: 0.7002  
gene score correlation: 0.7591



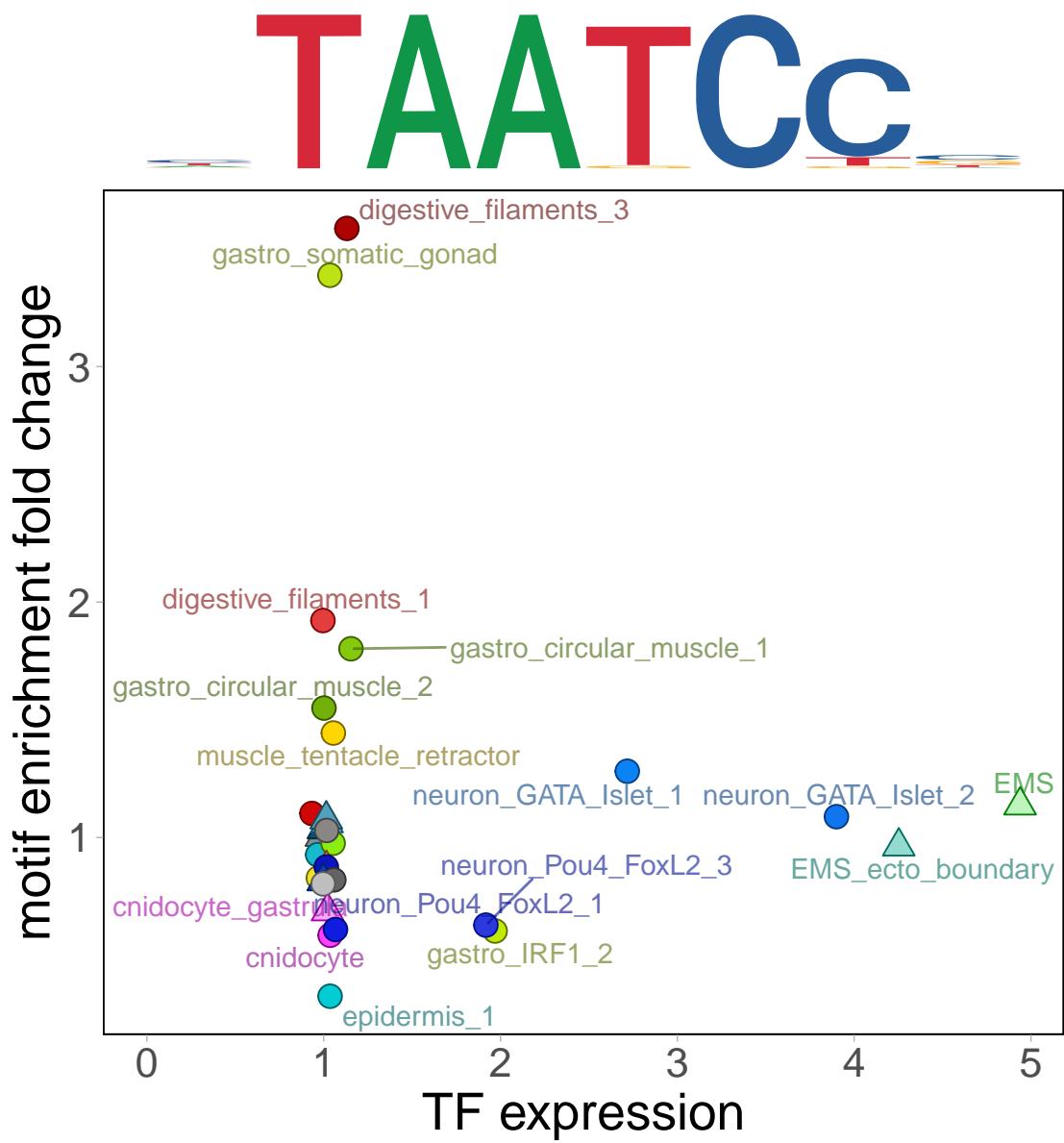
Nvec\_vc1.1\_XM\_032375228.2 (Rfx4)  
OG: RFX.HG1.3:like:RFX4/RFX6/RFX8  
PFAM: RFX\_DNA\_binding  
motif: Rfx4\_241030\_homer  
TF family: RFX  
archetype family: RFX  
CisBP assigned: TRUE  
rank: 0  
gene expression correlation: 0.5991  
gene score correlation: 0.5969



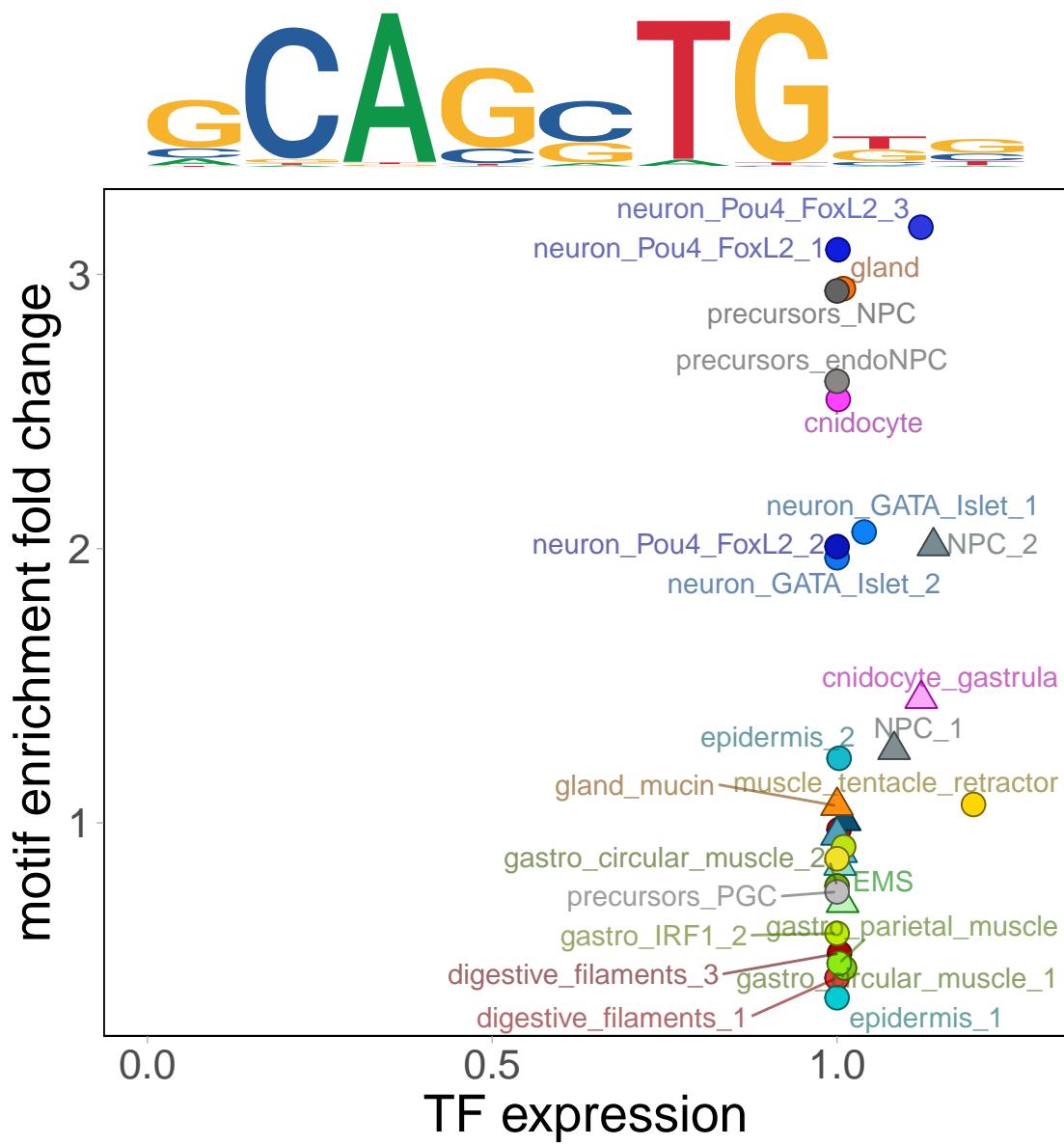
Nvec\_vc1.1\_XM\_032375602.2 (Insm1)  
OG: zf-C2H2.HG25.1:INSM1/INSM2  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH530\_Snai2  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 11  
gene expression correlation: 0.0562  
gene score correlation: 0.5618



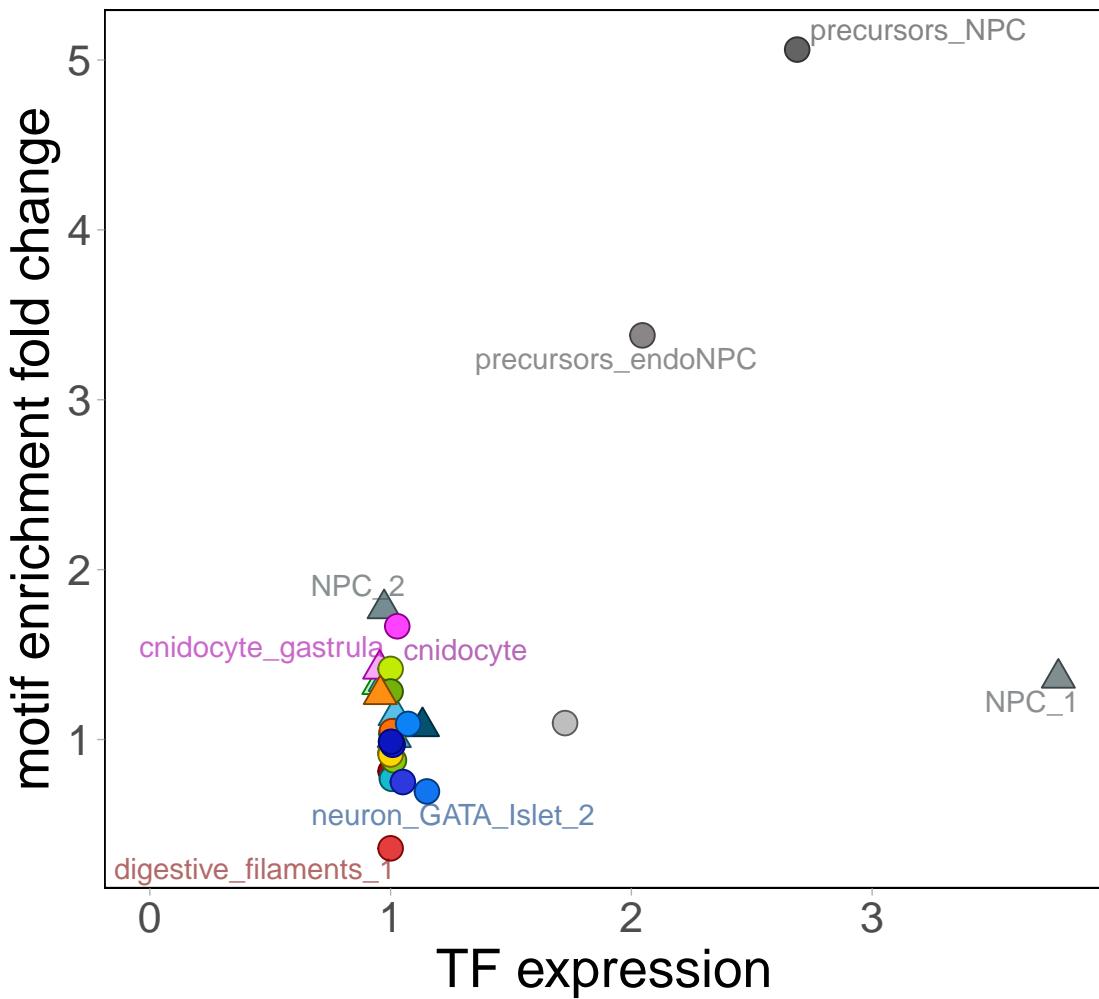
Nvec\_vc1.1\_XM\_032375635.2 (OtxB)  
OG: Homeodomains.HG2.46:CRX/OTX  
PFAM: Homeodomain  
motif: M03808\_2.00  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.0499  
gene score correlation: 0.1856



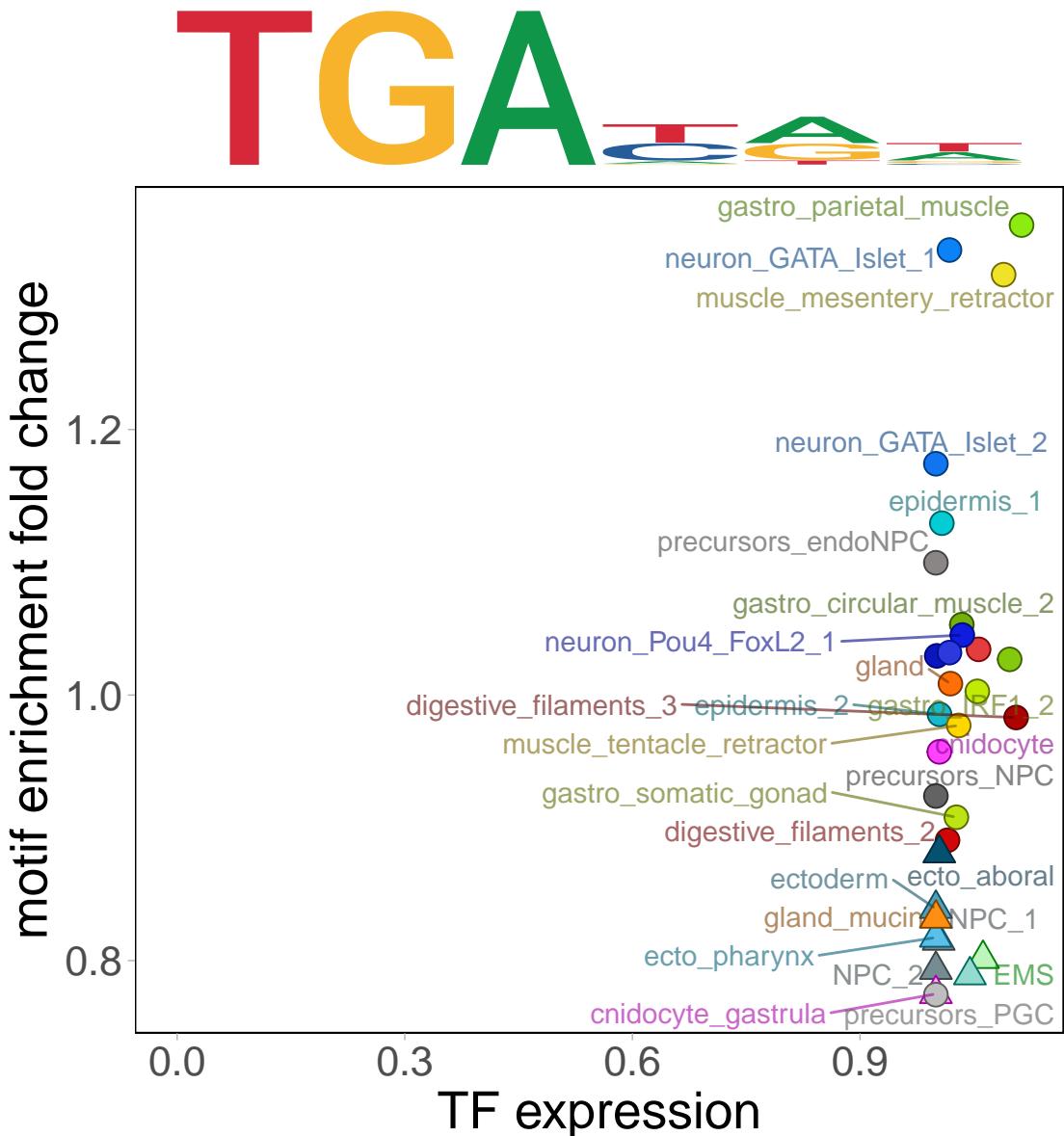
Nvec\_vc1.1\_XM\_032376206.2 (SoxB2)  
OG: HMGbox\_Sox.HG1.13:like:SOX1/S  
PFAM: HMG\_box  
motif: ARCH482\_/Lef1/Tcf7l1/Tcf7  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: FALSE  
rank: 270  
gene expression correlation: 0.1834  
gene score correlation: 0.0137



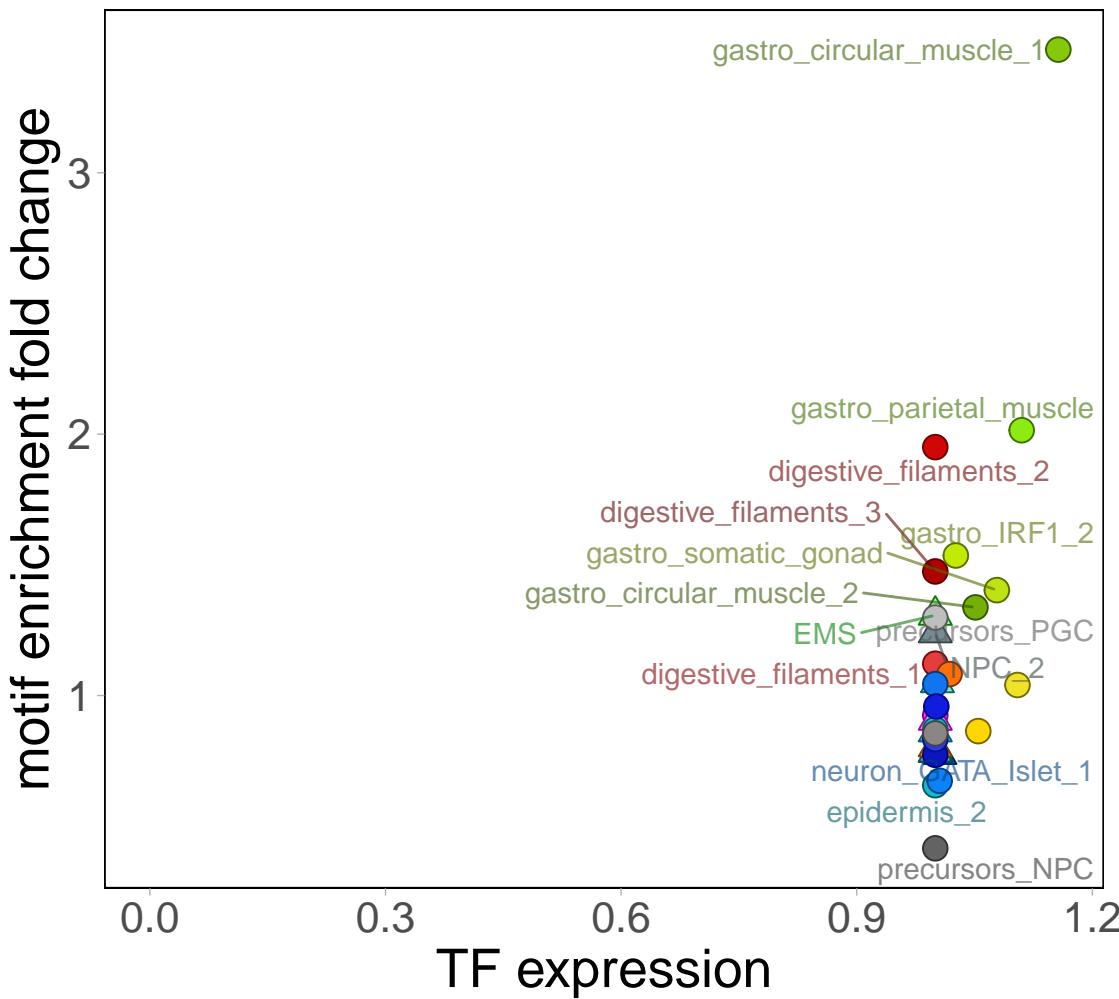
Nvec\_vc1.1\_XM\_032376421.2 (Ath-like)  
OG: HLH.HG1.80:like:NEUROD1/NEUROD2  
PFAM: HLH  
motif: ARCH783\_bHLH18\_MNT  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 4  
gene expression correlation: 0.5440  
gene score correlation: 0.8939



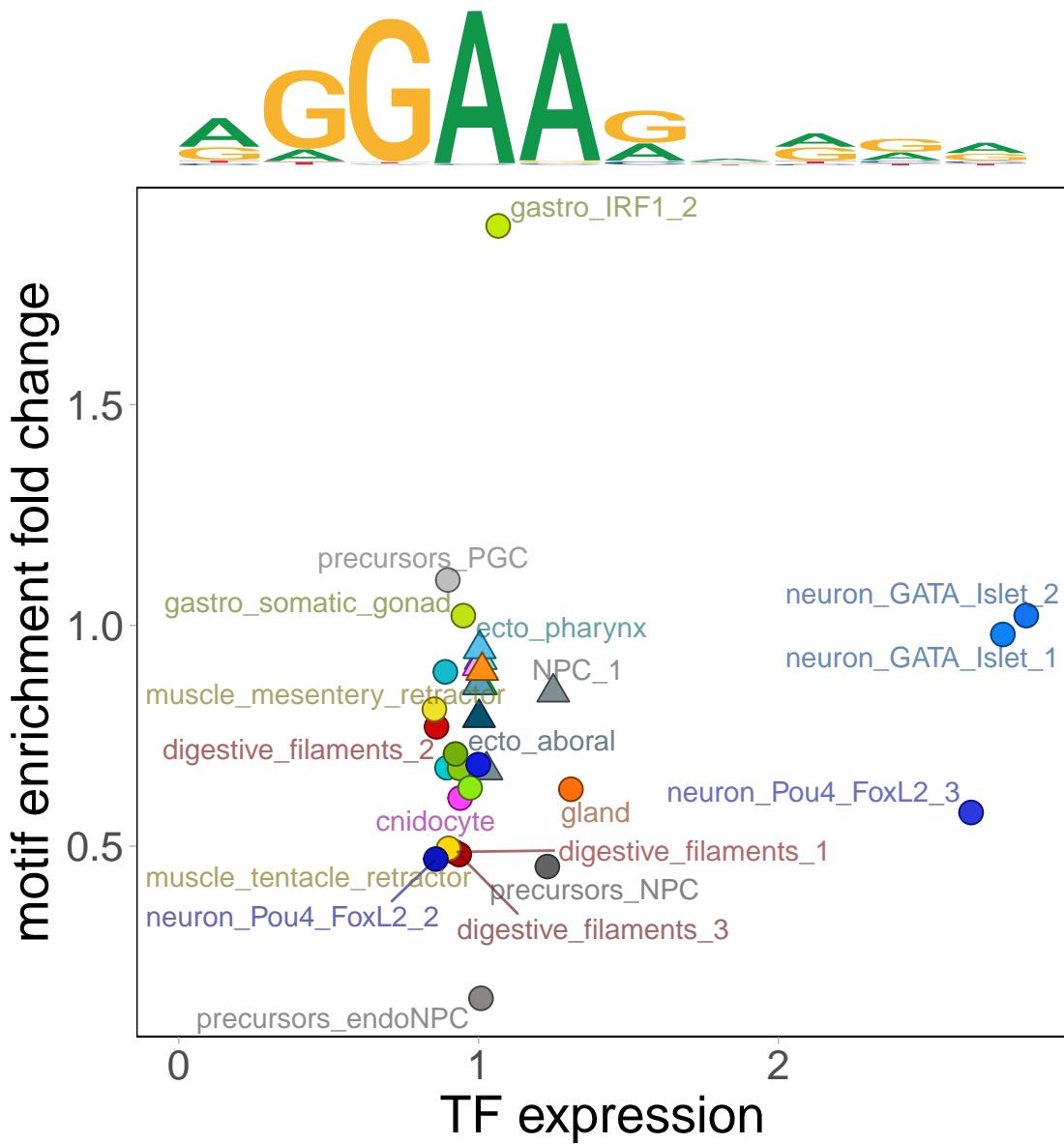
Nvec\_vc1.1\_XM\_032377358.2 (VAX-EM)  
OG: Homeodomains.HG1.42:VAX1/VAX  
PFAM: Homeodomain  
motif: ARCH1552\_Pbx4/Pbx2/Pbx1  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 33  
gene expression correlation: 0.4242  
gene score correlation: 0.4457



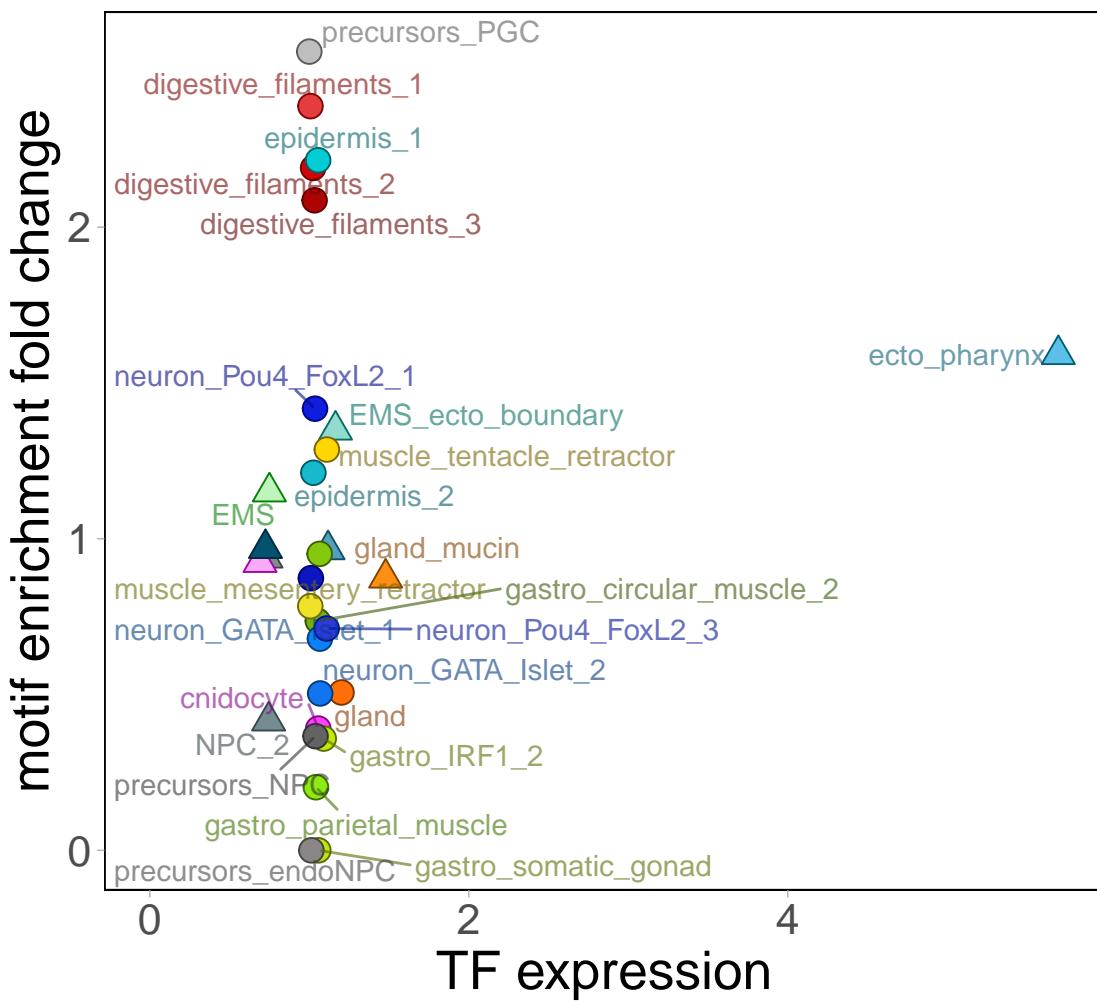
Nvec\_vc1.1\_XM\_032377450.2 (Tbx20-  
OG: T-box.HG1.13:TBX1/TBX10/TBX1  
PFAM: T-box  
motif: ARCH862\_Tbx18/Tbx22/Tbx15\_T  
TF family: T-box  
archetype family: T-box  
CisBP assigned: FALSE  
rank: 2  
gene expression correlation: 0.7032  
gene score correlation: 0.8356



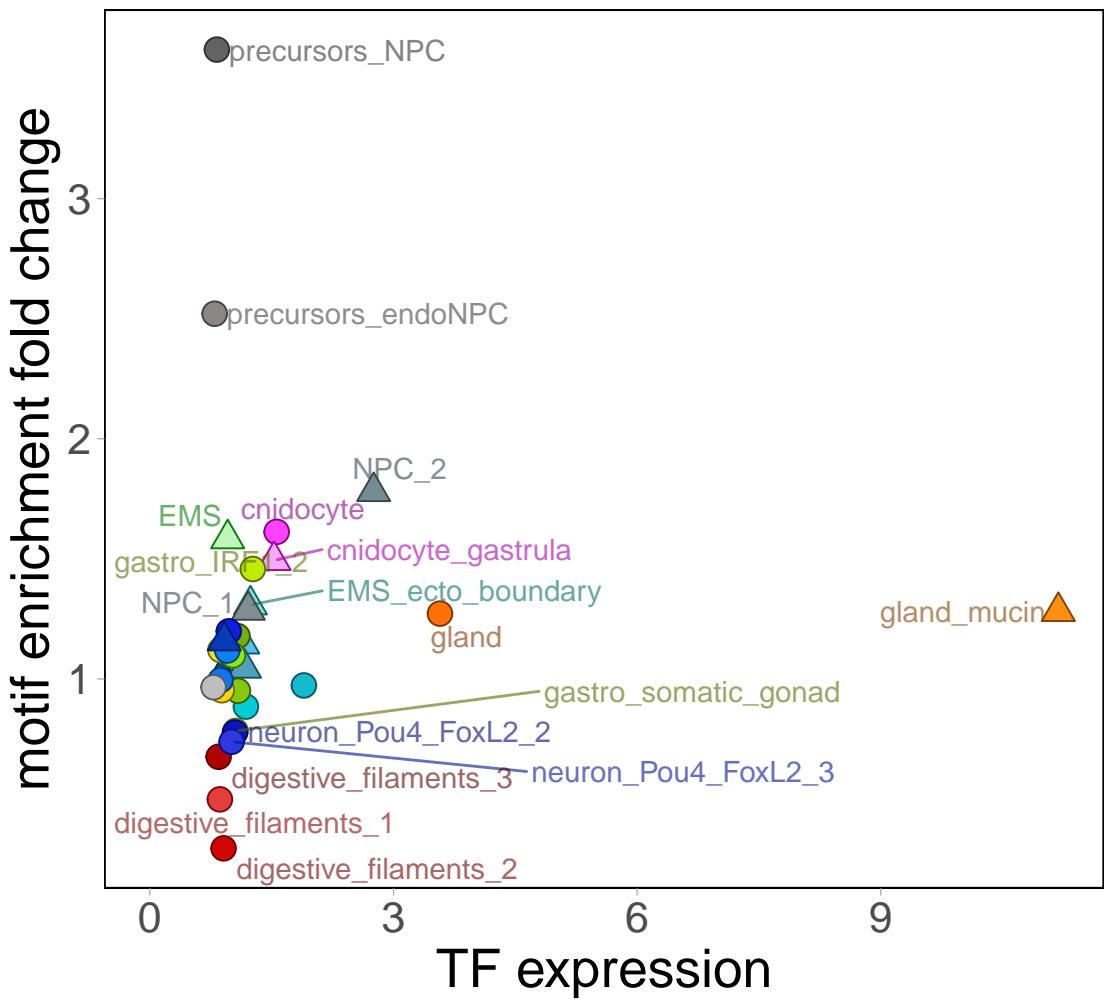
Nvec\_vc1.1\_XM\_032377897.2 (Pea3/E  
OG: Ets.HG1.3:ETV1/ETV4/ETV5  
PFAM: ETS\_PEA3\_N/Ets  
motif: ARCH593\_Elf3/Ehf/Elf5\_Erg/F...  
TF family: Ets  
archetype family: Ets  
CisBP assigned: TRUE  
rank: 39  
gene expression correlation: 0.1145  
gene score correlation: 0.1018



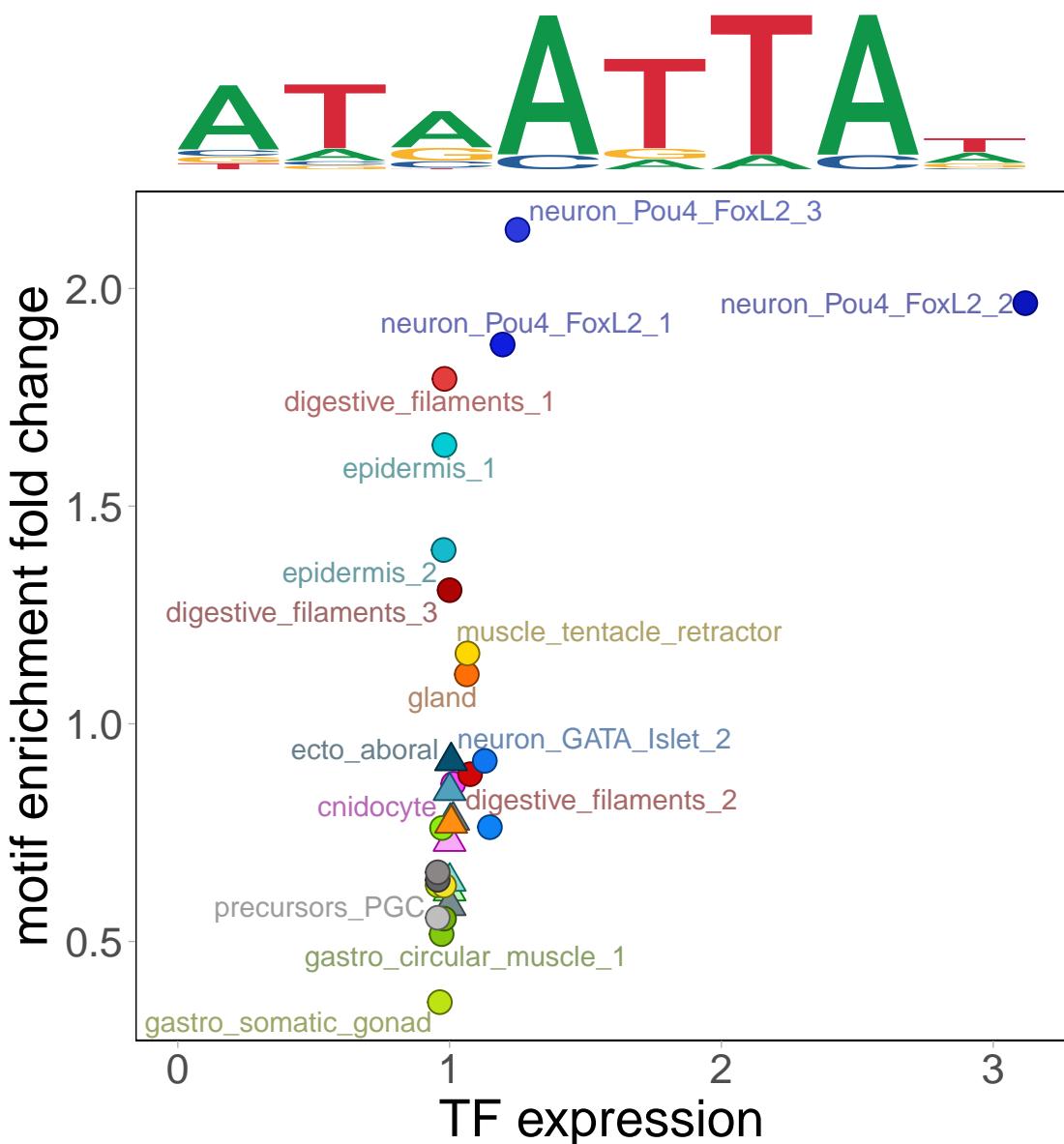
Nvec\_vc1.1\_XM\_032378021.2 (BrachyUOG: T-box.HG1.5:TBX19/TBXT  
PFAM: T-box  
motif: ARCH833\_Tbx18/Tbx22/Tbx15\_T  
TF family: T-box  
archetype family: T-box  
CisBP assigned: TRUE  
rank: 247  
gene expression correlation: 0.1471  
gene score correlation: 0.1178



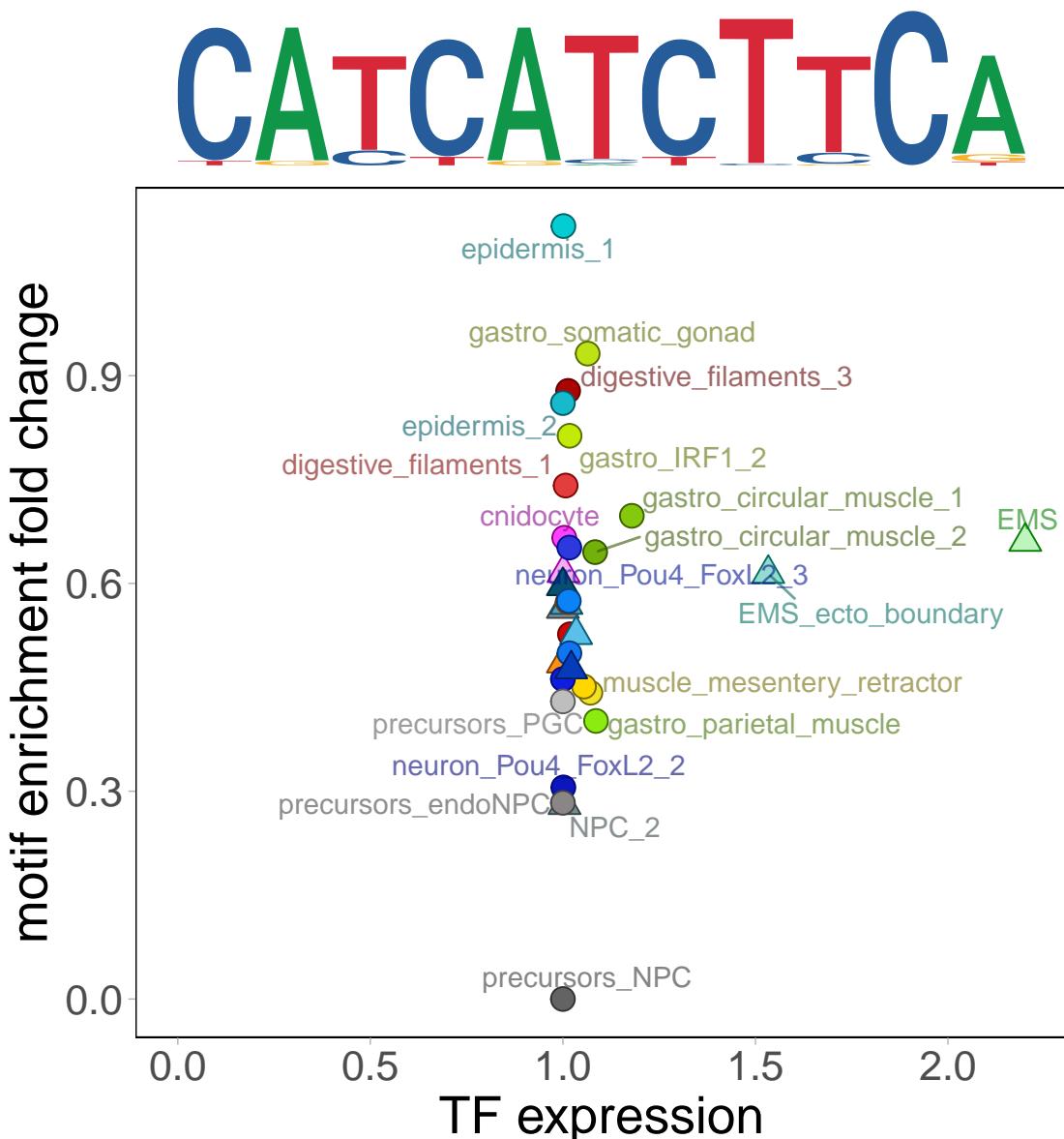
Nvec\_vc1.1\_XM\_03237881.2 (CREB3  
OG: bZIP.HG1.15:CREB3/CREB3L1/CF  
PFAM: bZIP\_1  
motif: M01812\_2.00  
TF family: bZIP  
archetype family: bZIP  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.0484  
gene score correlation: 0.0705



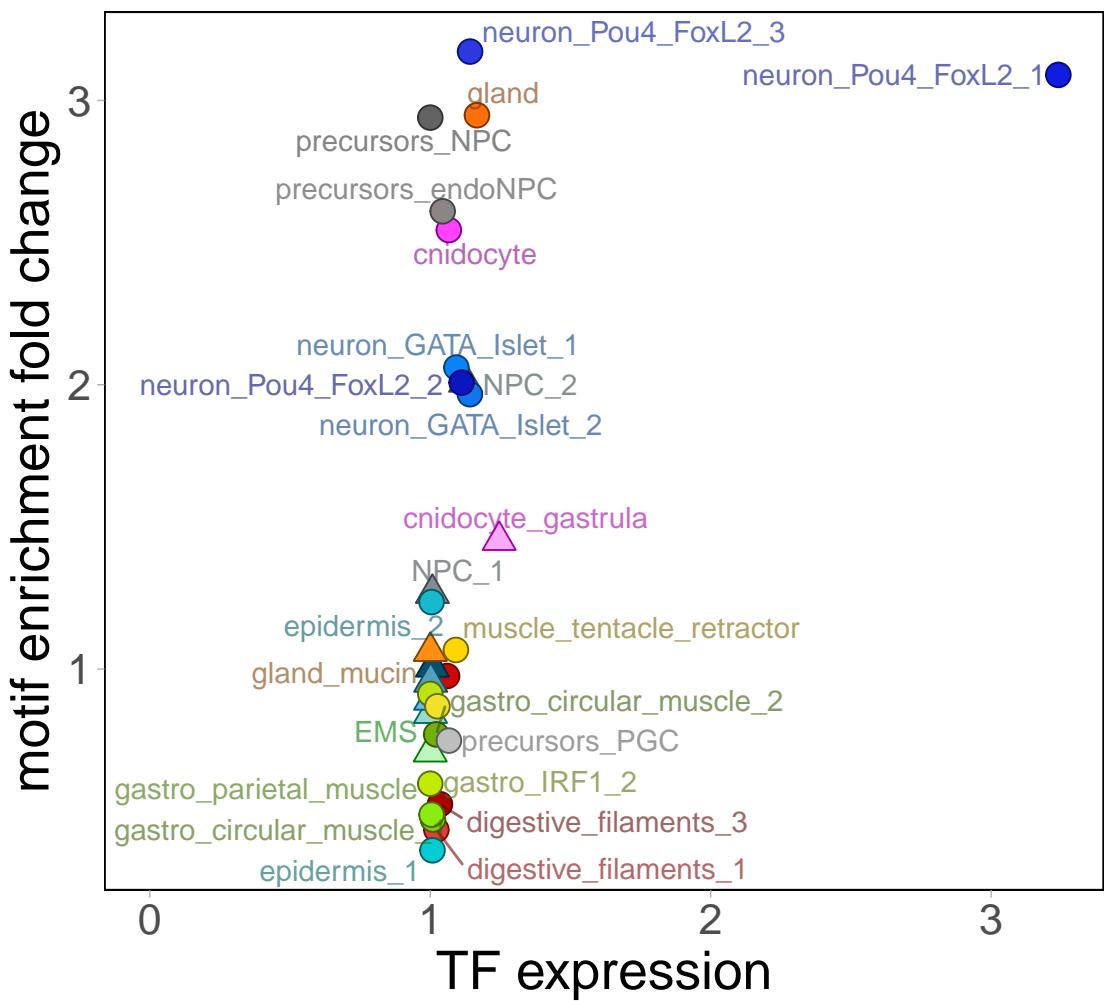
Nvec\_vc1.1\_XM\_032379465.2 (SoxB2/  
OG: HMGbox\_Sox.HG1.19:like:SOX1/S  
PFAM: HMG\_box  
motif: ARCH61\_M00889\_2.00  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: FALSE  
rank: 66  
gene expression correlation: 0.4887  
gene score correlation: 0.4990



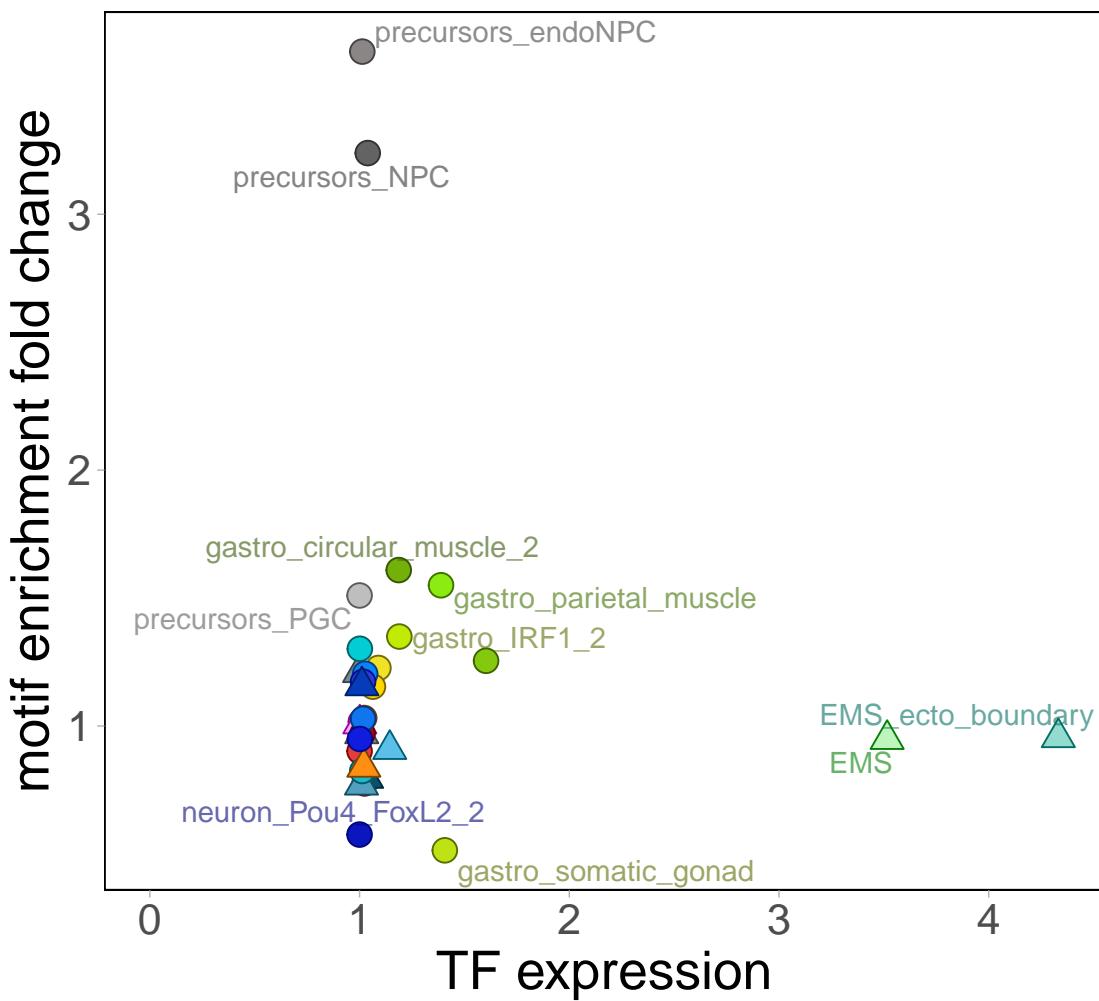
Nvec\_vc1.1\_XM\_032379688.2 (NVHD033)  
OG: Homeodomains.HG1.39:BARHL1/BHLH  
PFAM: Homeodomain  
motif: NVHD033-ANTP\_241030\_streme  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.1008  
gene score correlation: 0.1612



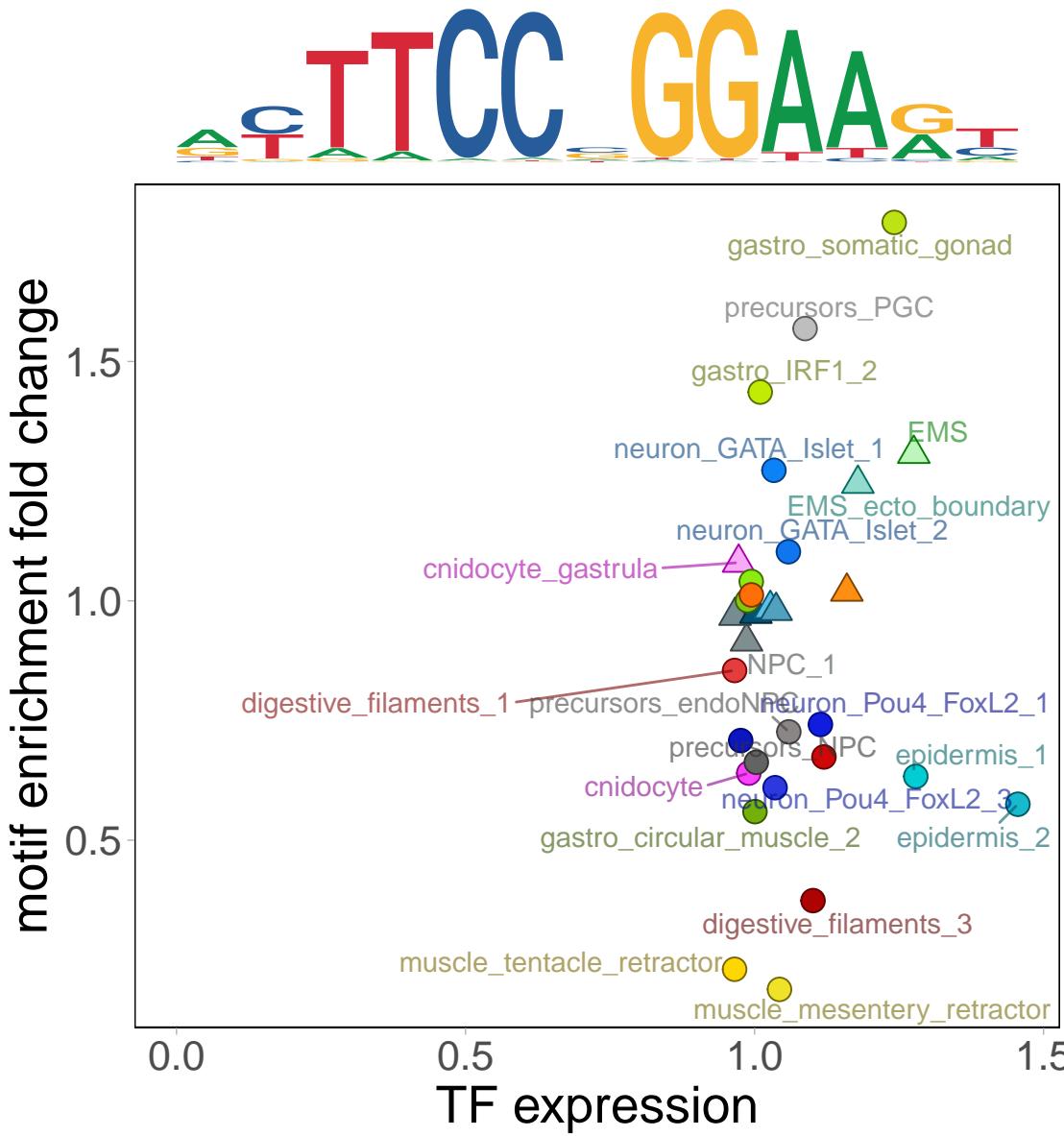
Nvec\_vc1.1\_XM\_032380374.2 (NvSoxA  
OG: HMGbox\_Sox.HG1.34:SRY  
PFAM: HMG\_box  
motif: ARCH482\_/Lef1/Tcf7l1/Tcf7  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: FALSE  
rank: 17  
gene expression correlation: 0.4336  
gene score correlation: 0.4424



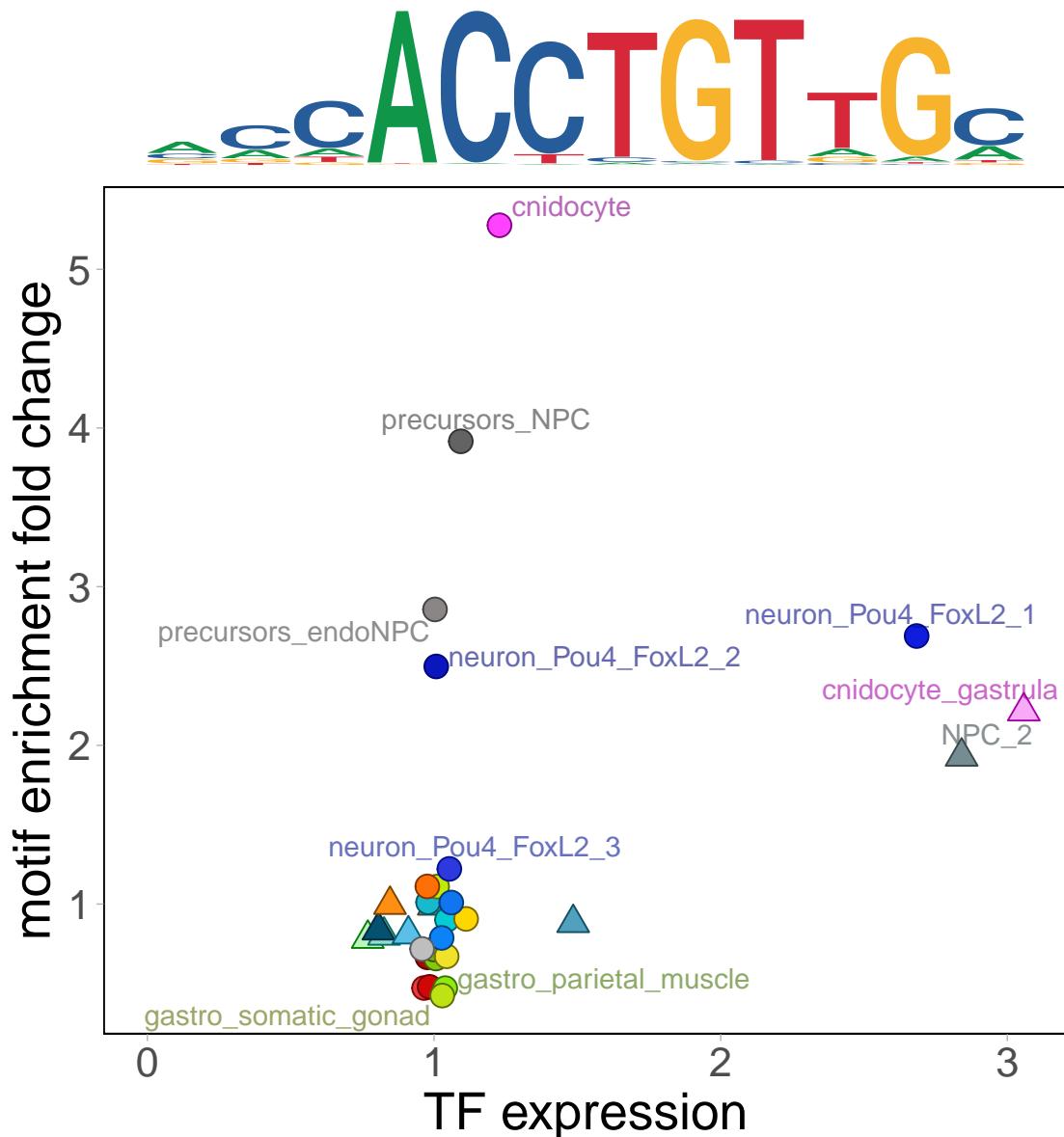
Nvec\_vc1.1\_XM\_032381908.2 (Hand2)  
OG: HLH.HG1.66:like:HAND1/HAND2  
PFAM: HLH  
motif: M05984\_2.00  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.0997  
gene score correlation: -0.0546



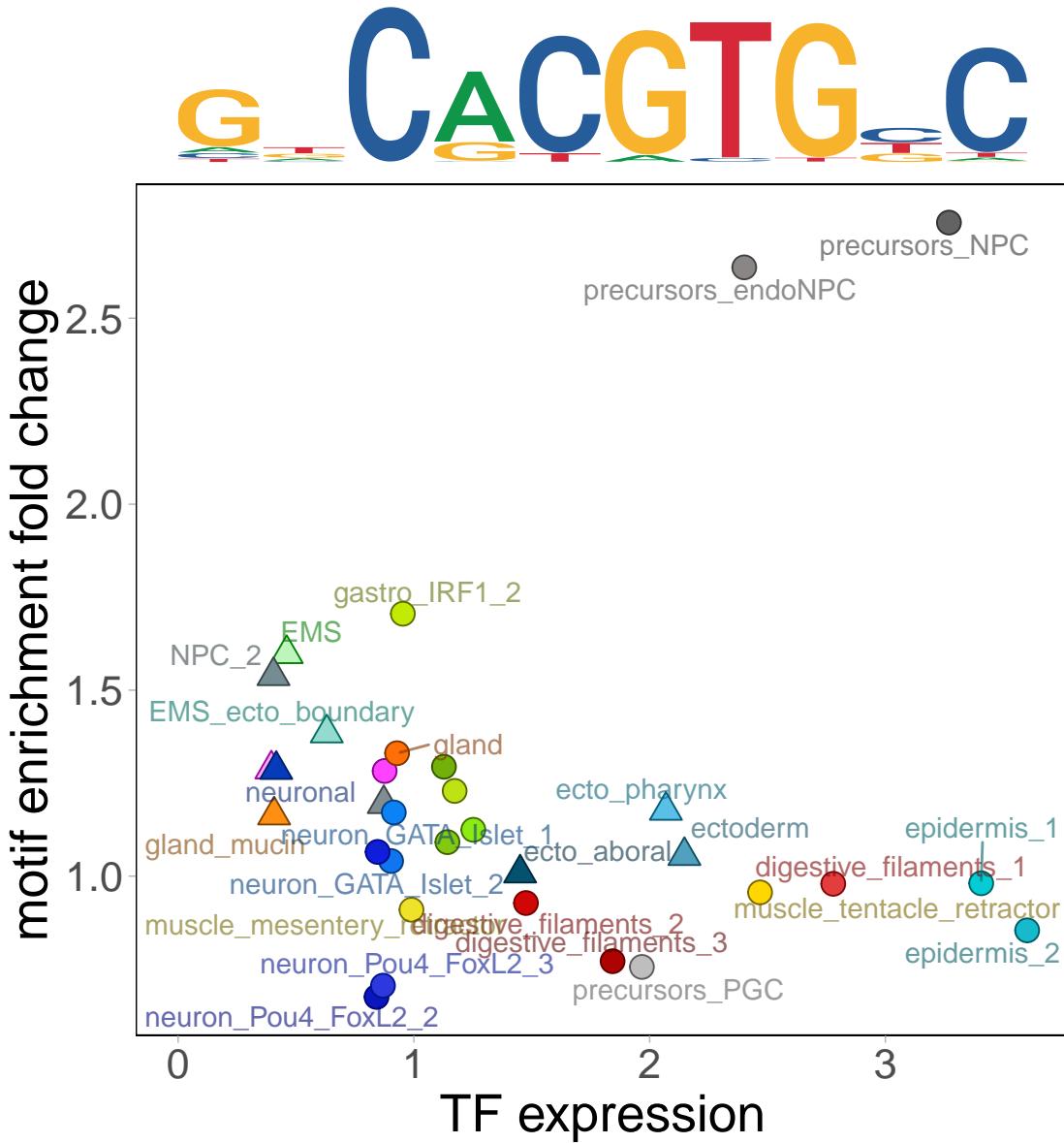
Nvec\_vc1.1\_XM\_032384221.2 (ETV6/7)  
OG: Ets.HG1.13:ETV6/ETV7  
PFAM: Ets  
motif: ARCH551\_Elf3/Ehf/Elf5\_Etv6  
TF family: Ets  
archetype family: Ets  
CisBP assigned: TRUE  
rank: 151  
gene expression correlation: 0.1211  
gene score correlation: -0.0447



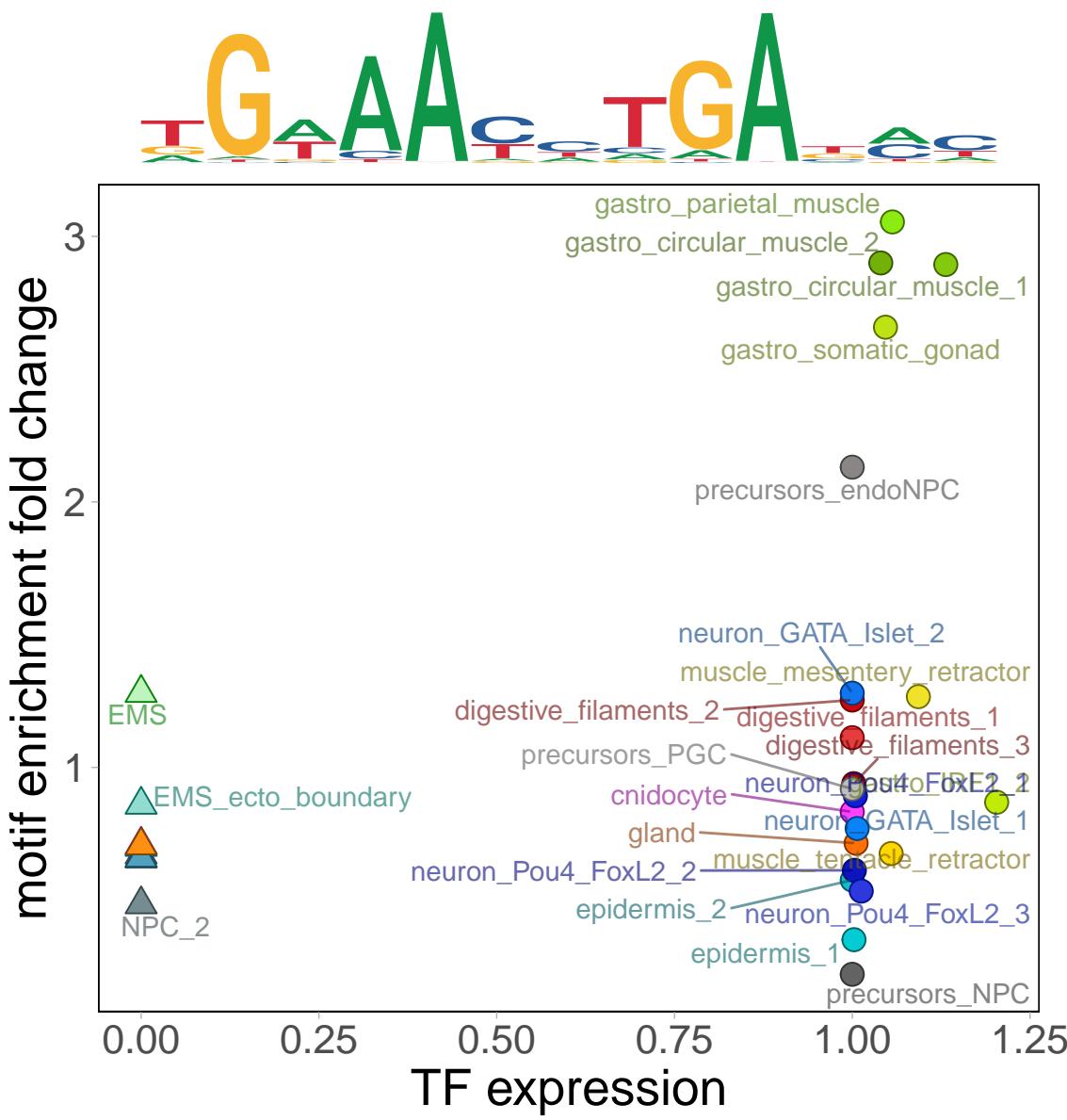
Nvec\_vc1.1\_XM\_032384420.2 (Sp6–9)  
OG: zf–C2H2.HG2.14:SP1/SP2/SP3/SP4  
PFAM: zf–C2H2/zf–C2H2/zf–C2H2\_4  
motif: ARCH861\_Scrt2/Scrt1  
TF family: zf–C2H2  
archetype family: zf–C2H2  
CisBP assigned: FALSE  
rank: 4  
gene expression correlation: 0.3448  
gene score correlation: 0.3112



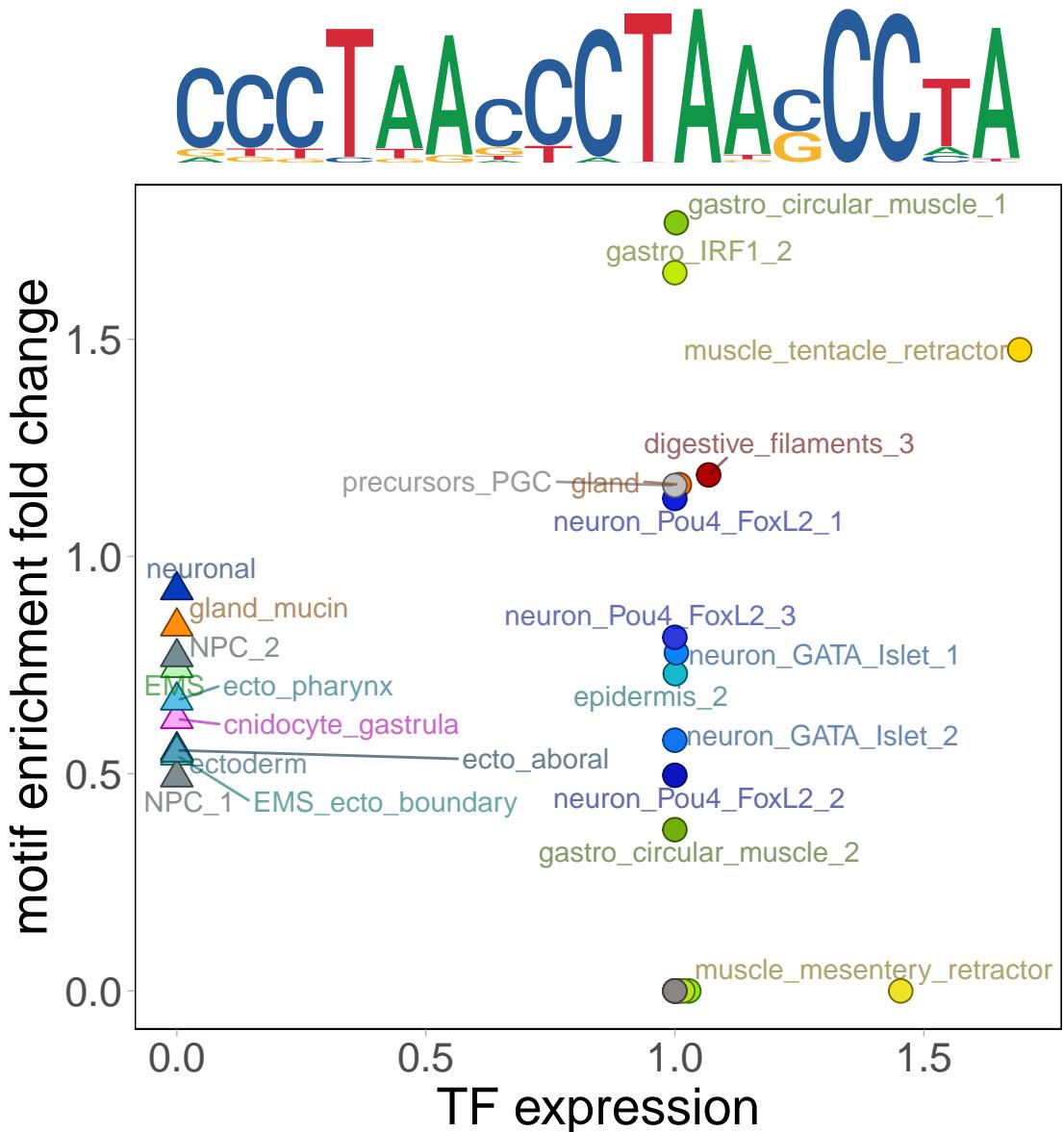
Nvec\_vc1.1\_XM\_032384889.2 (Hes2)  
OG: HLH.HG1.63:like:HES5/HES7  
PFAM: HLH/Hairy\_orange  
motif: Hes2\_241030\_homer  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.1157  
gene score correlation: 0.2305



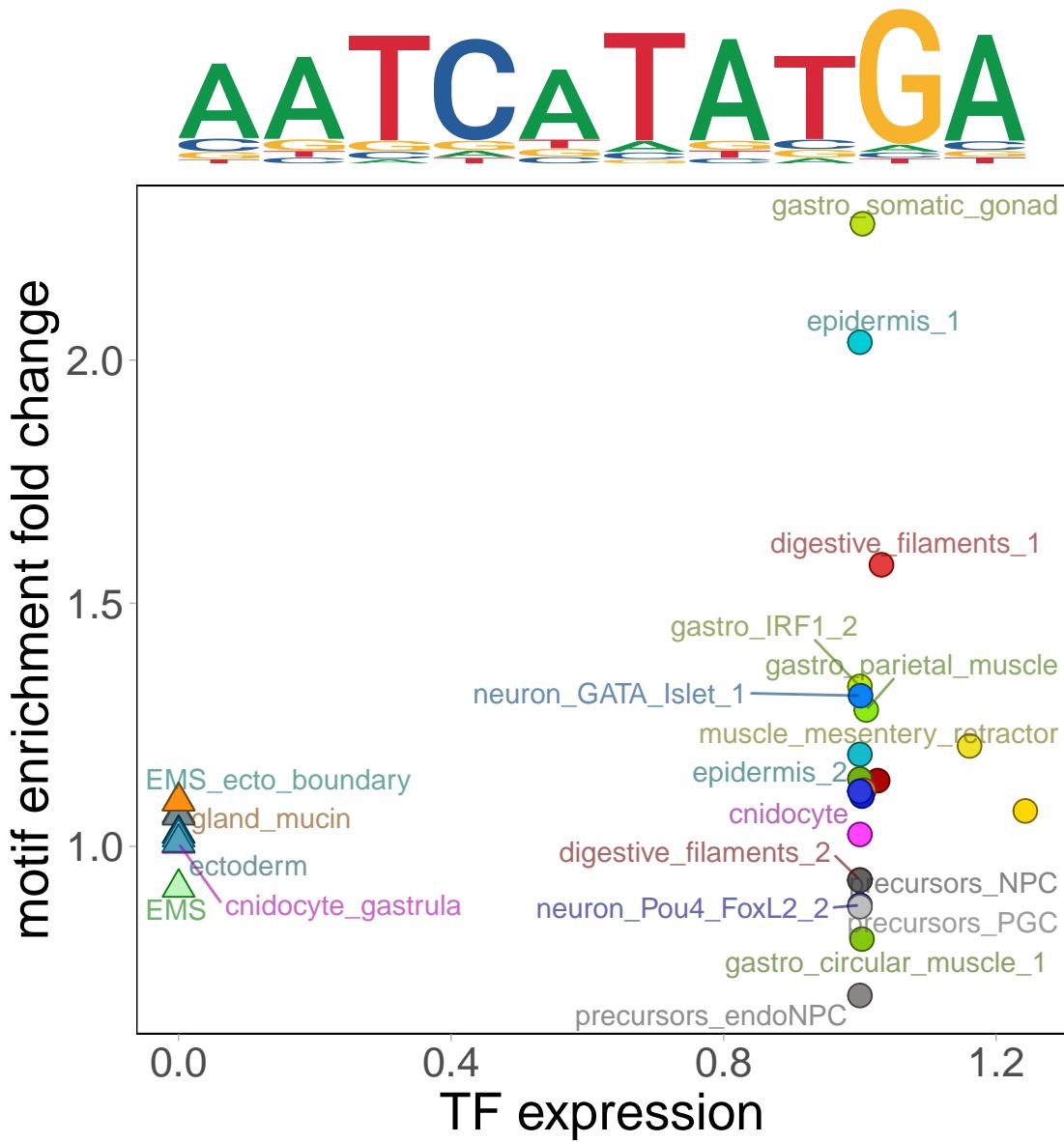
Nvec\_vc1.1\_XM\_032384965.2 (BarH-L)  
OG: Homeodomains.HG1.39:BARHL1/B  
PFAM: Homeodomain  
motif: ARCH1362\_Six1/\_Six4/Six5  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 38  
gene expression correlation: 0.3241  
gene score correlation: 0.6834



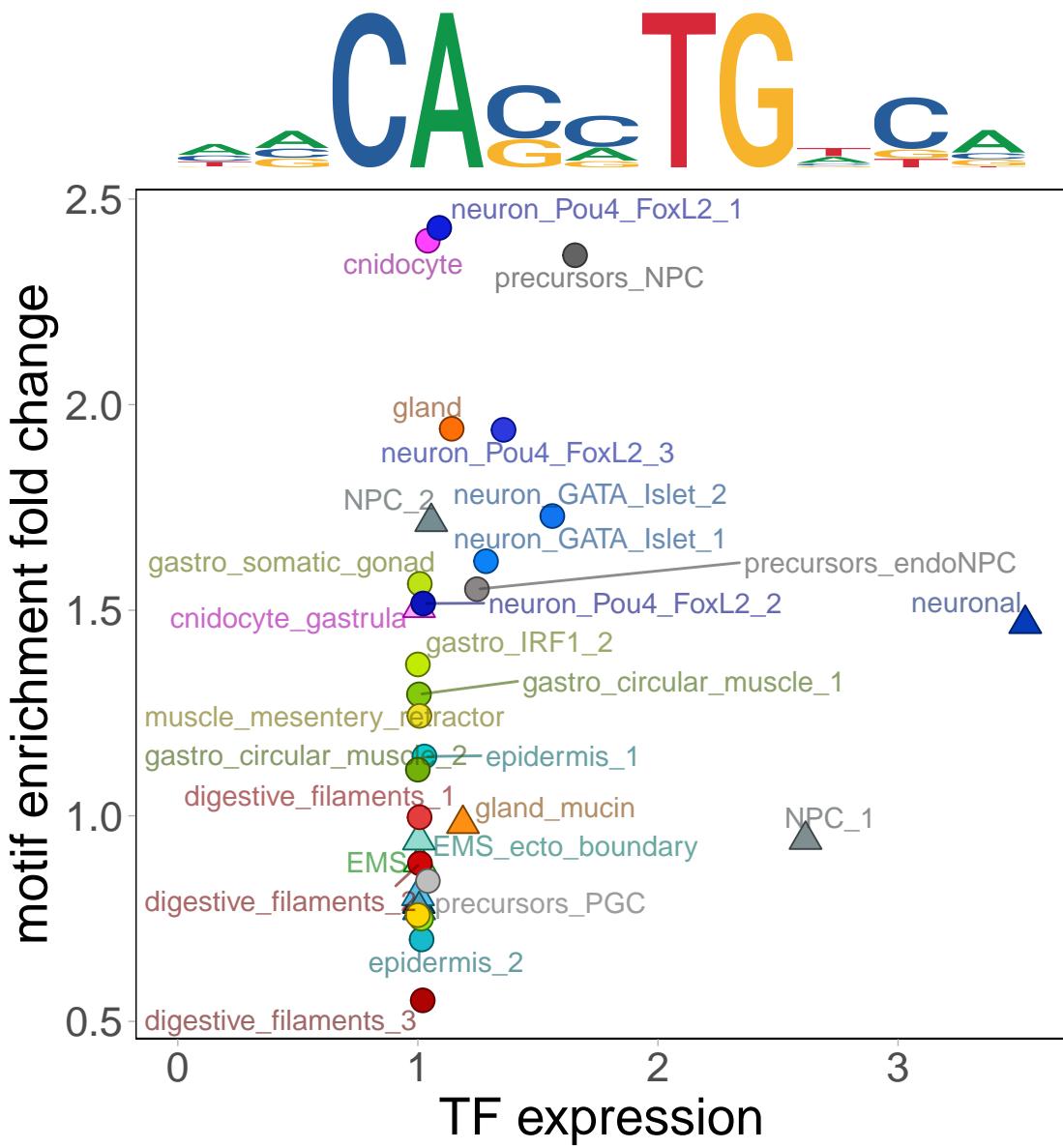
Nvec\_vc1.1\_XM\_032385184.2 (Nem24)  
OG: HLH.HG1.93:like:SCX/TCF15  
PFAM: HLH  
motif: Nem24\_241030\_dimont  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.0159  
gene score correlation: -0.2389



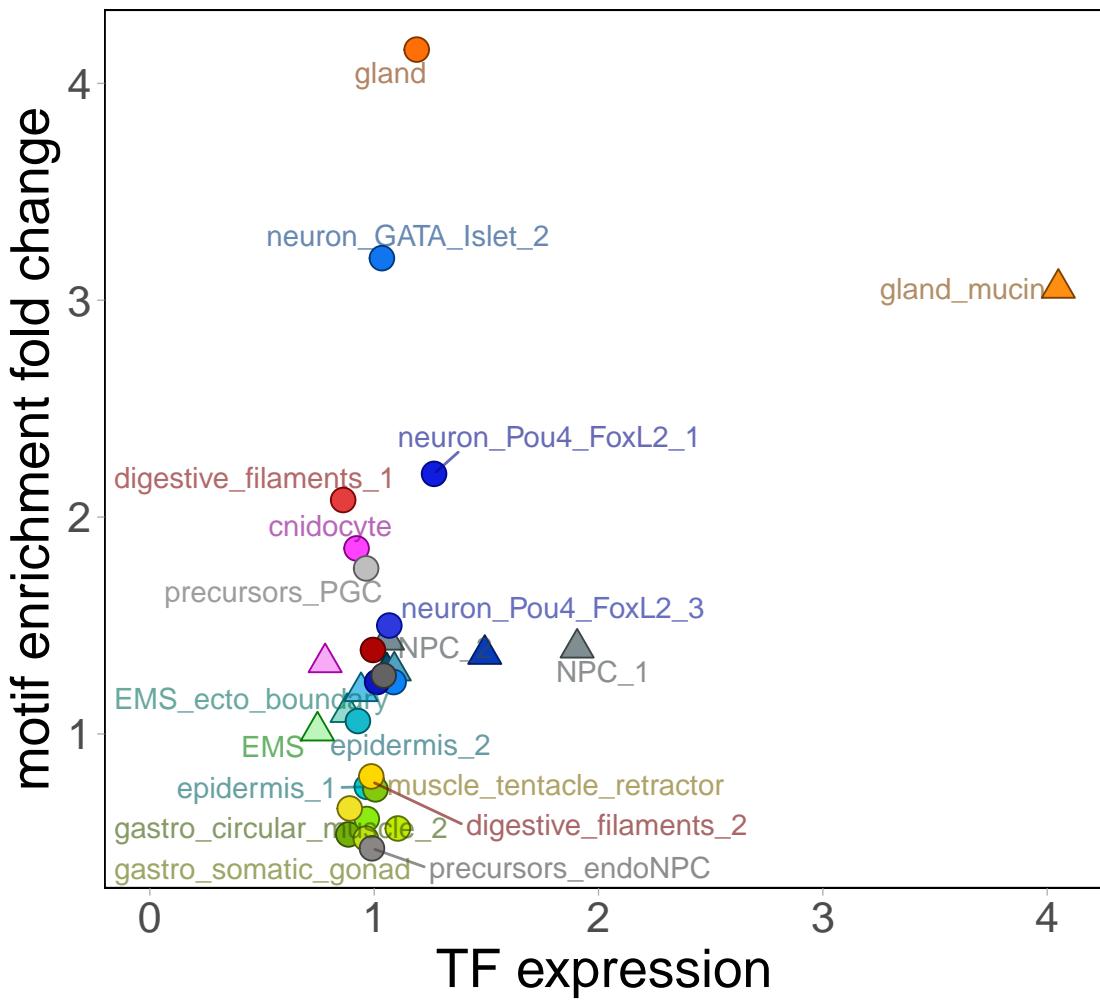
Nvec\_vc1.1\_XM\_032385185.2 (Nem7)  
OG: HLH.HG1.93:like:SCX/TCF15  
PFAM: HLH  
motif: ARCH144\_BHLHE23  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 73  
gene expression correlation: 0.2214  
gene score correlation: 0.1519



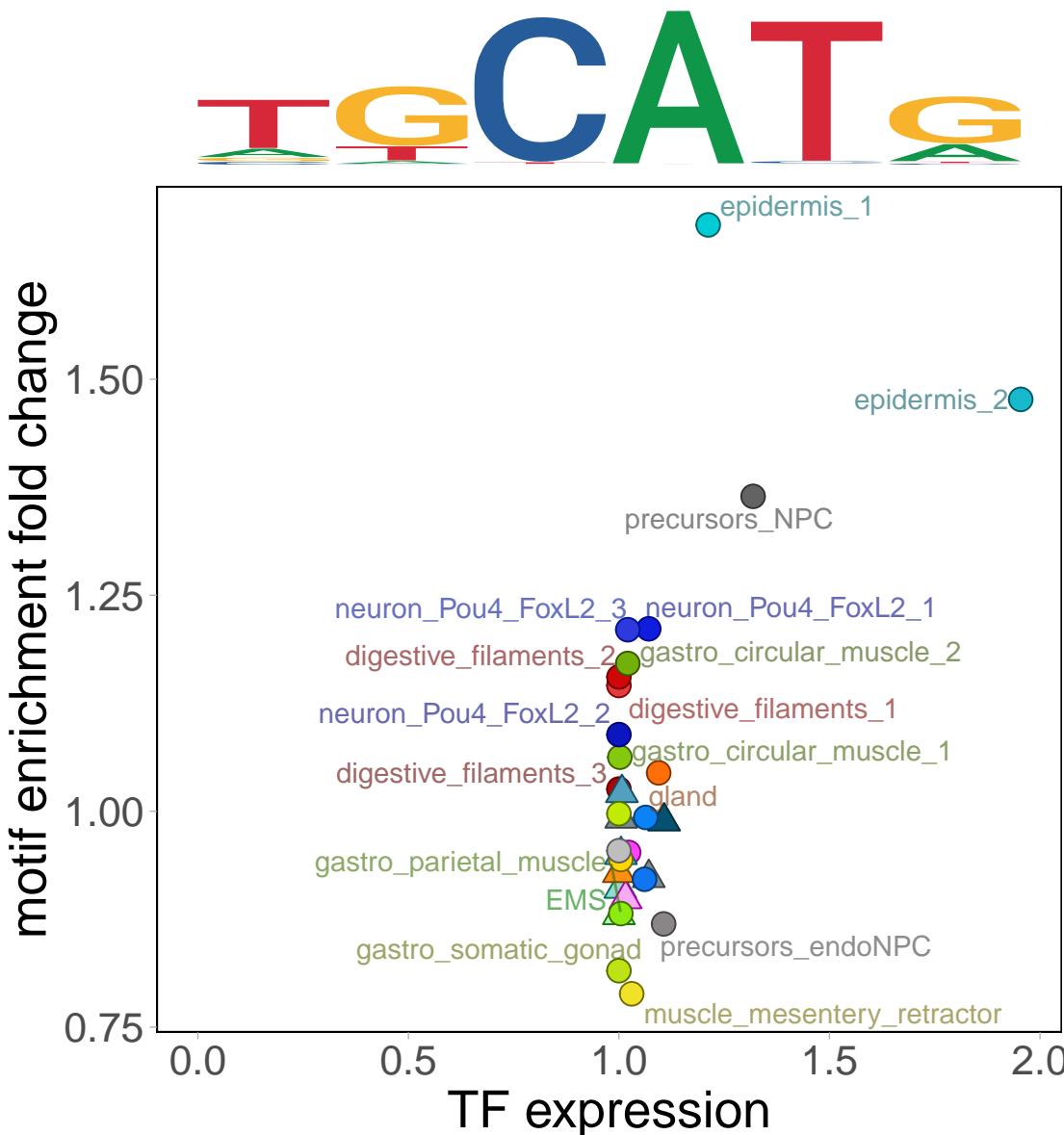
Nvec\_vc1.1\_XM\_032385496.2 (PTF1a)  
OG: HLH.HG1.91:like:FERD3L/PTF1A  
PFAM: HLH  
motif: M05990\_2.00  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.1543  
gene score correlation: 0.3736



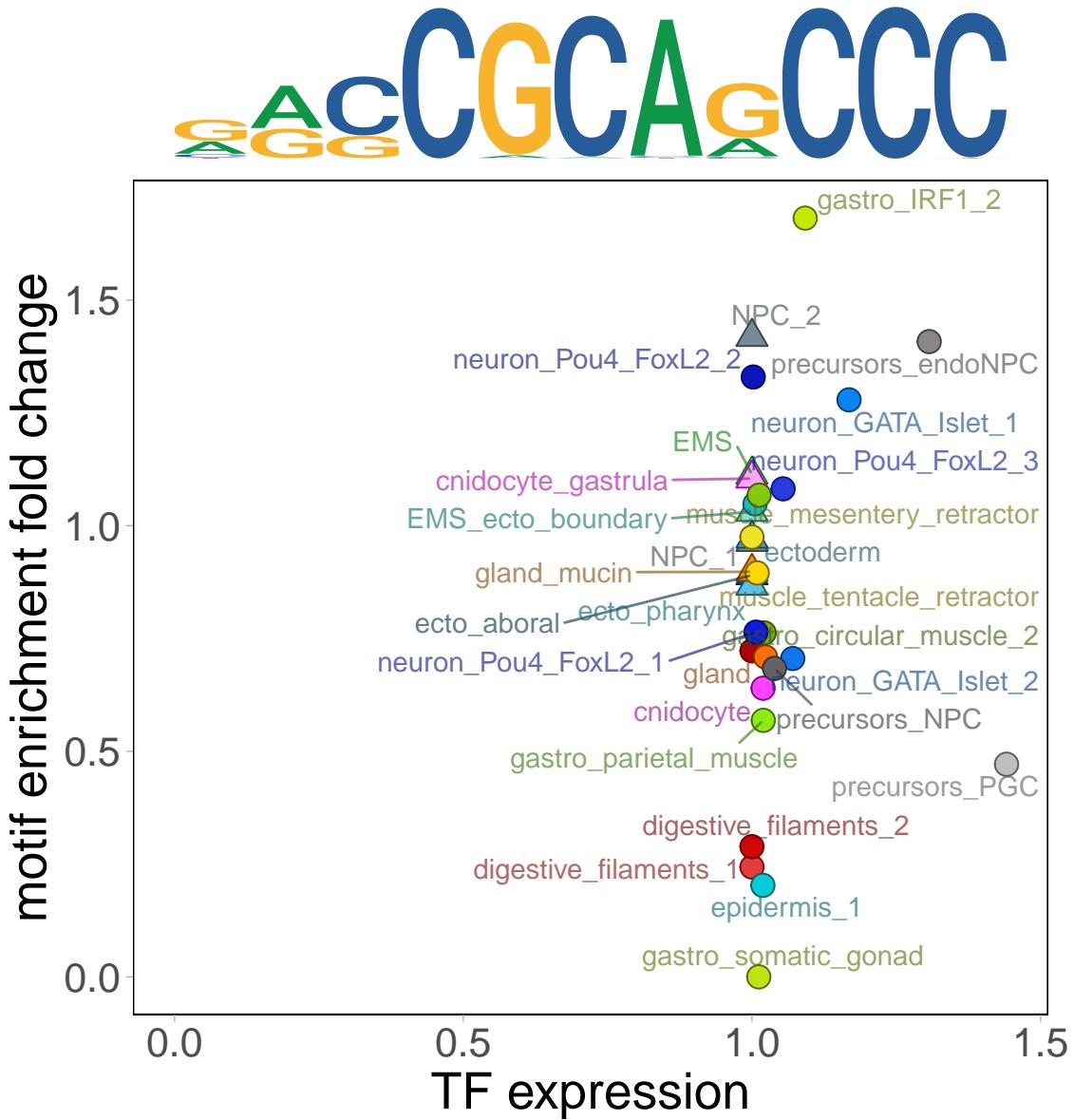
Nvec\_vc1.1\_XM\_032385647.2 (RFX1/2  
OG: RFX.HG1.2:RFX1/RFX2/RFX3  
PFAM: RFX\_DNA\_binding  
motif: M03961\_2.00  
TF family: RFX  
archetype family: RFX  
CisBP assigned: TRUE  
rank: 0  
gene expression correlation: 0.4181  
gene score correlation: 0.4640



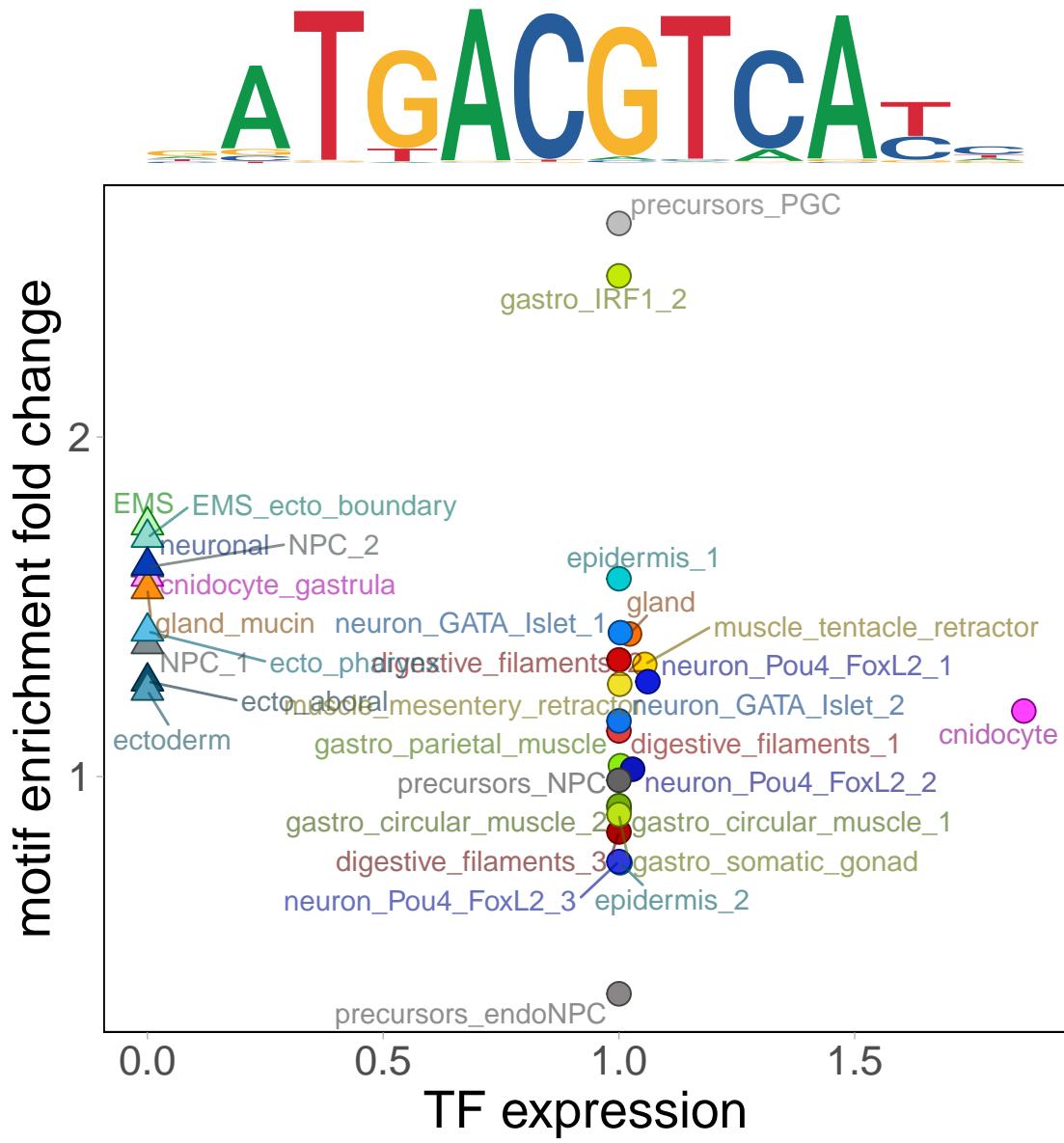
Nvec\_vc1.1\_XM\_032385706.2 (FoxQ2c)  
OG: Forkhead.HG1.14:like:FOXN1/FOX  
PFAM: Forkhead  
motif: ARCH1397\_RBFox2\_\_OCT:OCT  
TF family: Forkhead  
archetype family: Forkhead  
CisBP assigned: FALSE  
rank: 12  
gene expression correlation: 0.5982  
gene score correlation: 0.7976



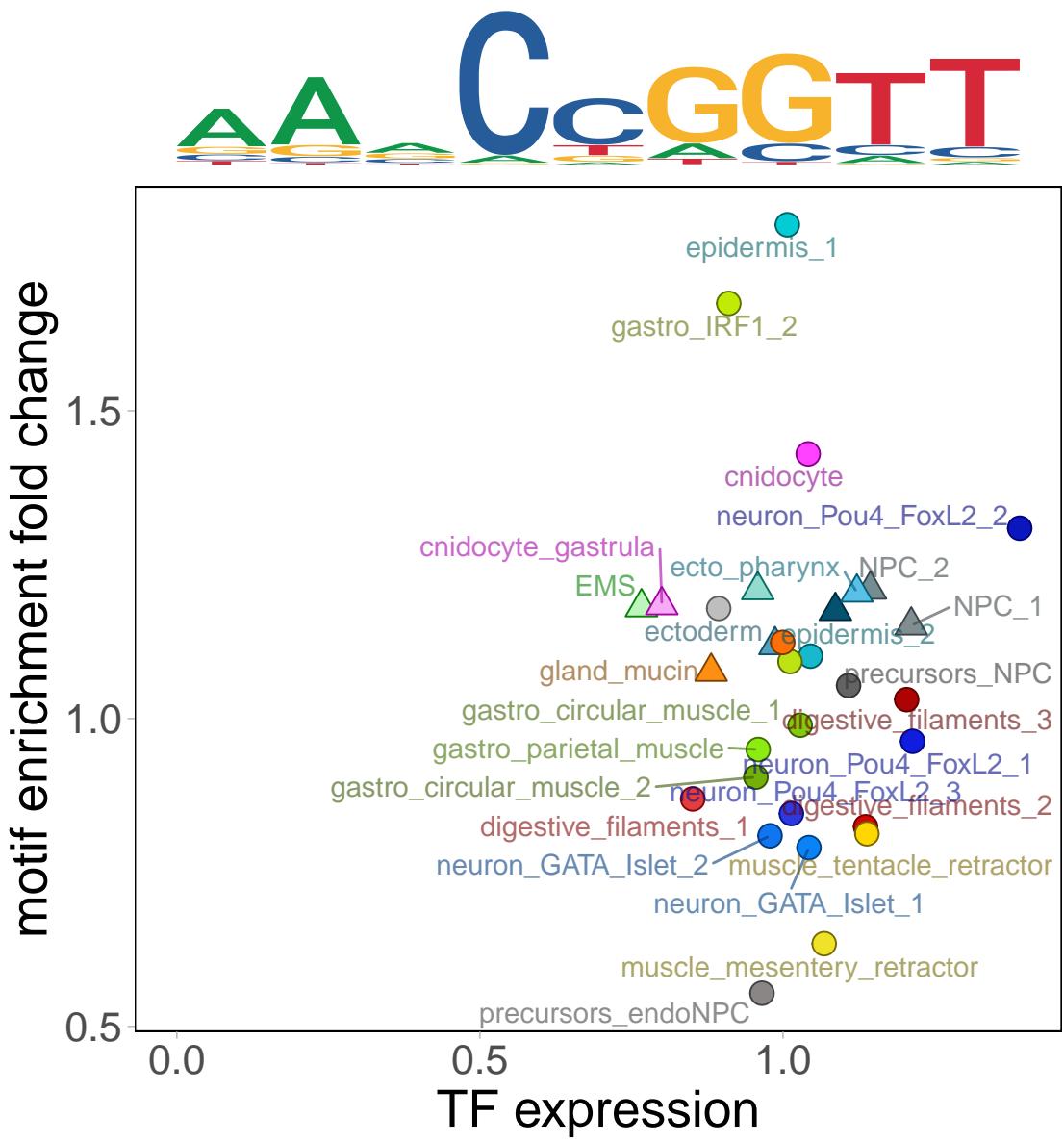
Nvec\_vc1.1\_XM\_032385745.2 (Prdm14)  
OG: zf-C2H2.HG19.1:PRDM14  
PFAM: zf-C2H2/zf-C2H2  
motif: ARCH533\_Klf5\_Klf7\_Klf8  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 4  
gene expression correlation: 0.0894  
gene score correlation: 0.3132



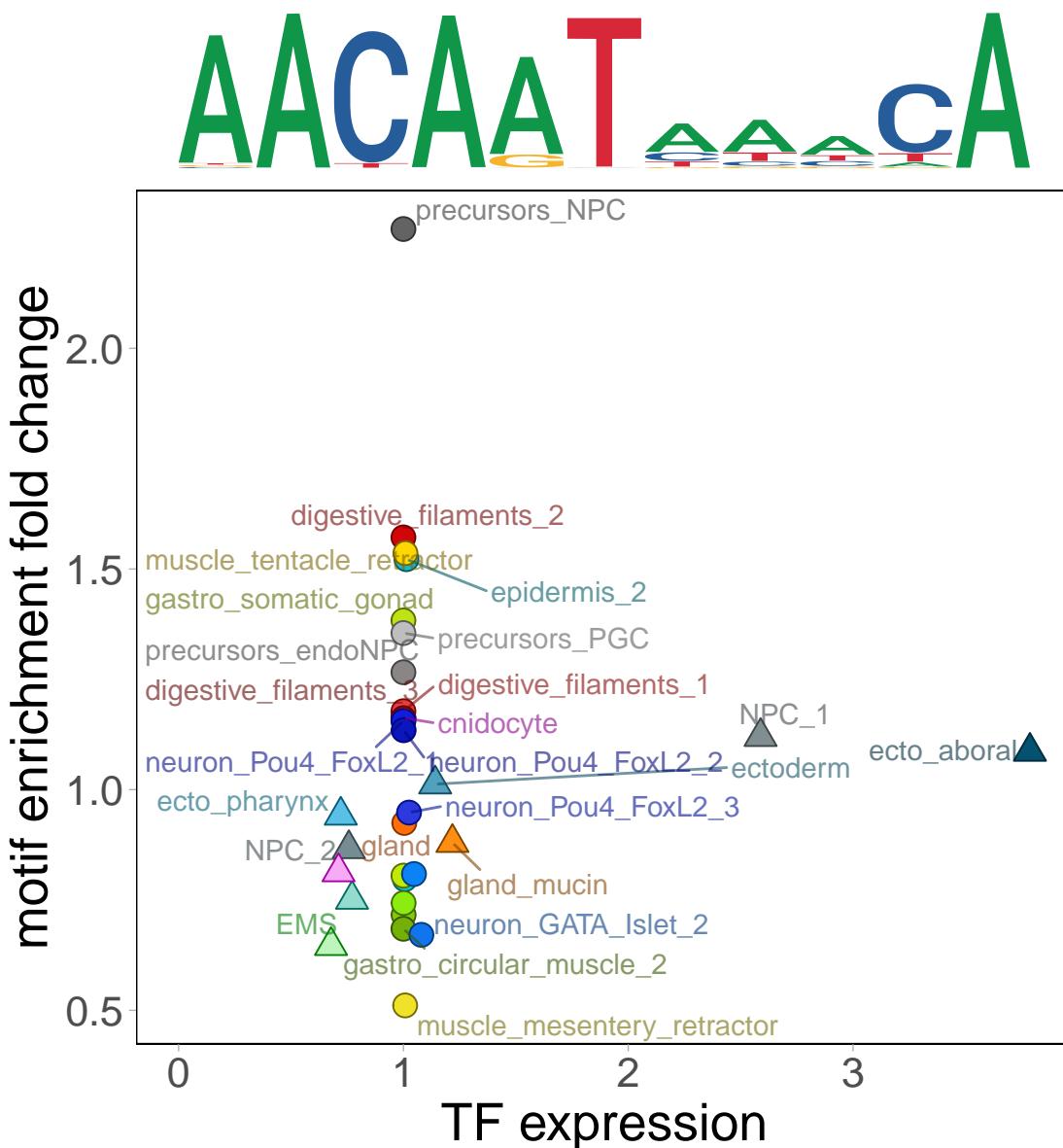
Nvec\_vc1.1\_XM\_032385896.2 (Cnido-)  
OG: bZIP.HG1.6:JUN/JUNB/JUND  
PFAM: Jun/bZIP\_1  
motif: M04339\_2.00  
TF family: bZIP  
archetype family: bZIP  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.3009  
gene score correlation: -0.0068



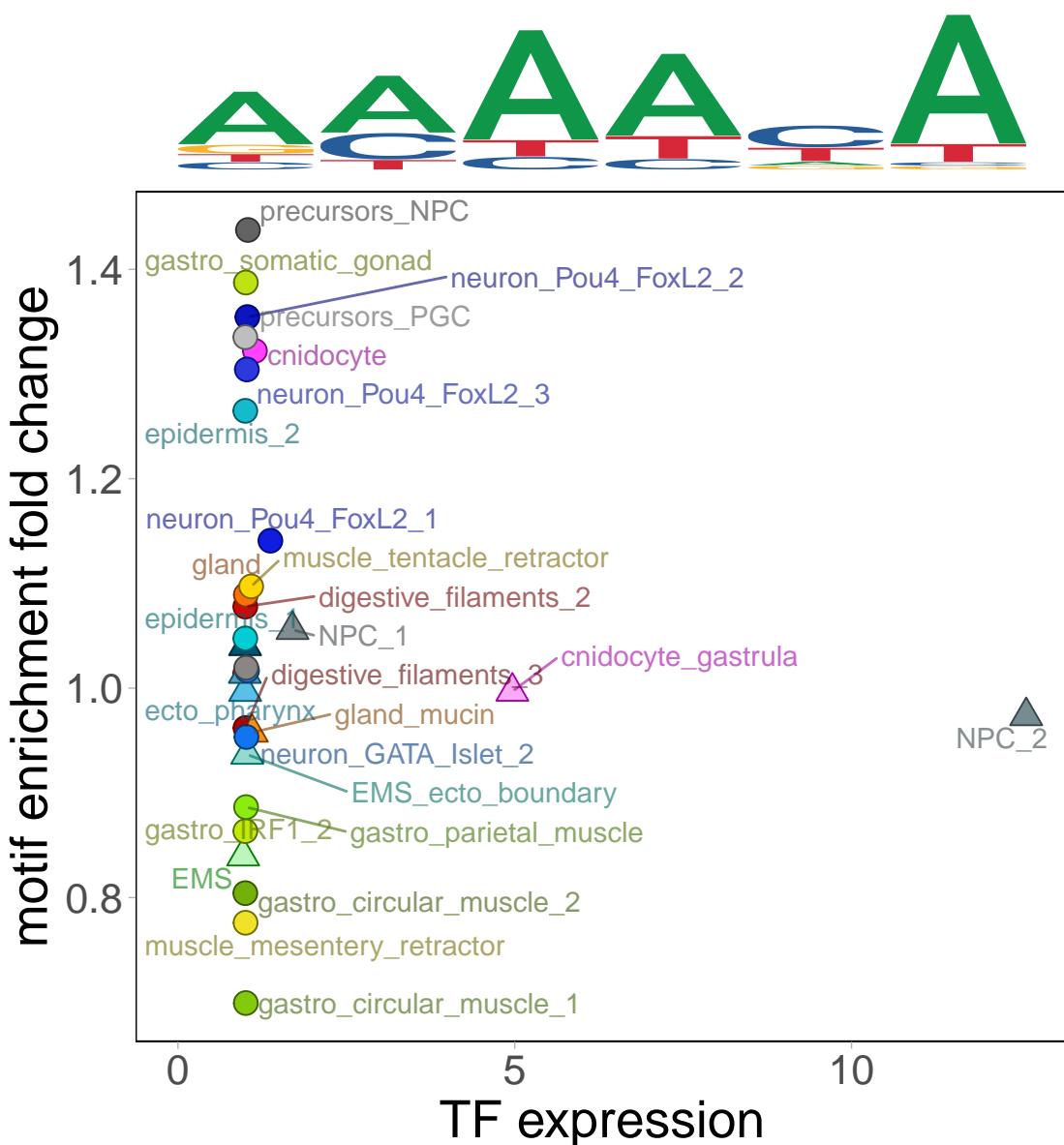
Nvec\_vc1.1\_XM\_032386243.2 (Grainyhead)  
OG: Grainyhead\_LSF.HG1.1:GRHL1/GF1  
PFAM: CP2  
motif: ARCH1265\_TFCP2\_Tcfcp2I1  
TF family: Grainyhead\_LSF  
archetype family: Grainyhead\_LSF  
CisBP assigned: FALSE  
rank: 311  
gene expression correlation: -0.0278  
gene score correlation: 0.1085



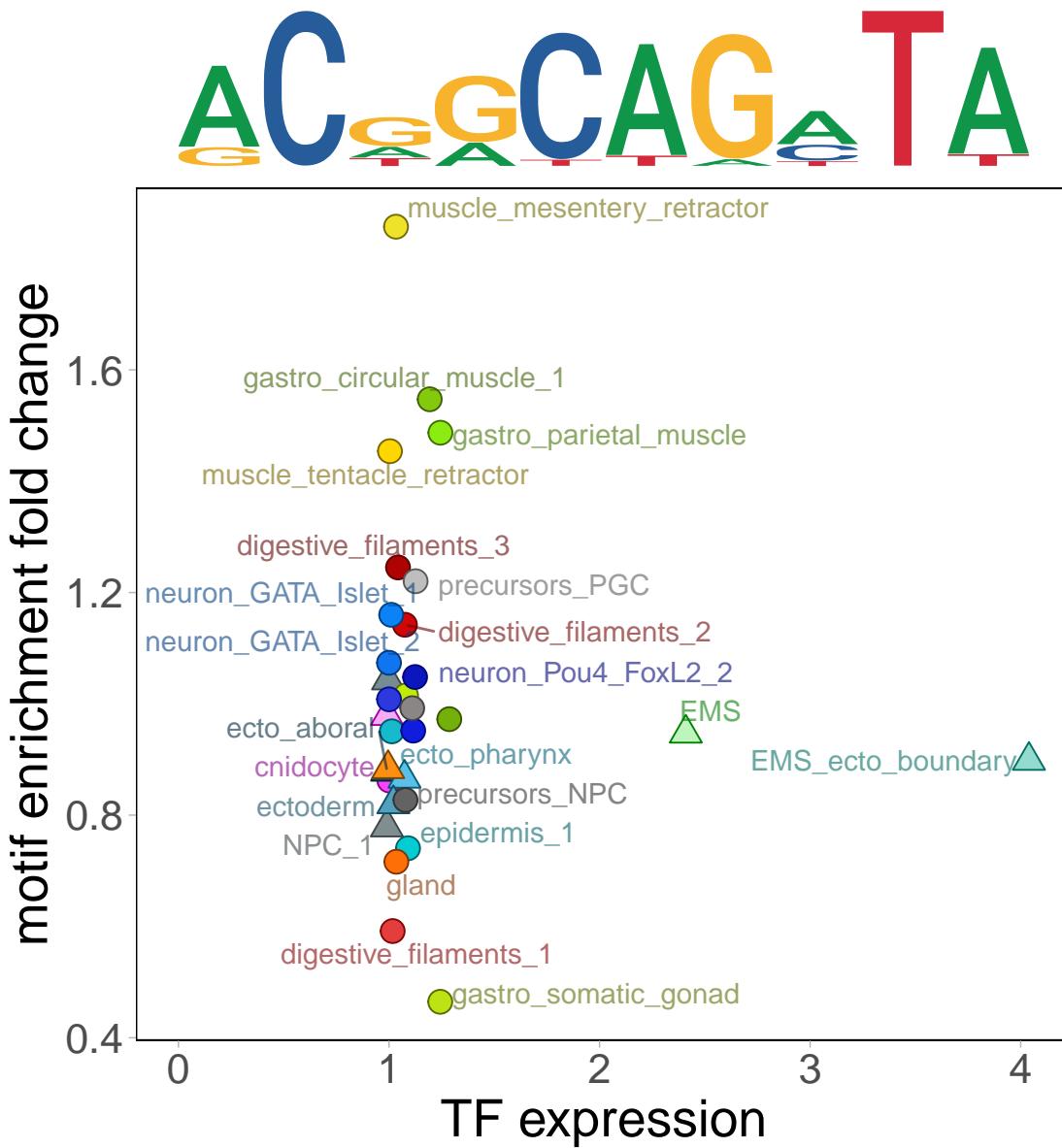
Nvec\_vc1.1\_XM\_032386947.2 (FoxQ2a  
OG: Forkhead.HG1.13:like:FOXN1/FOX  
PFAM: Forkhead  
motif: ARCH1178\_Sox4/Sox11\_Foxd2/  
TF family: Forkhead  
archetype family: Forkhead  
CisBP assigned: FALSE  
rank: 105  
gene expression correlation: 0.0765  
gene score correlation: 0.0211



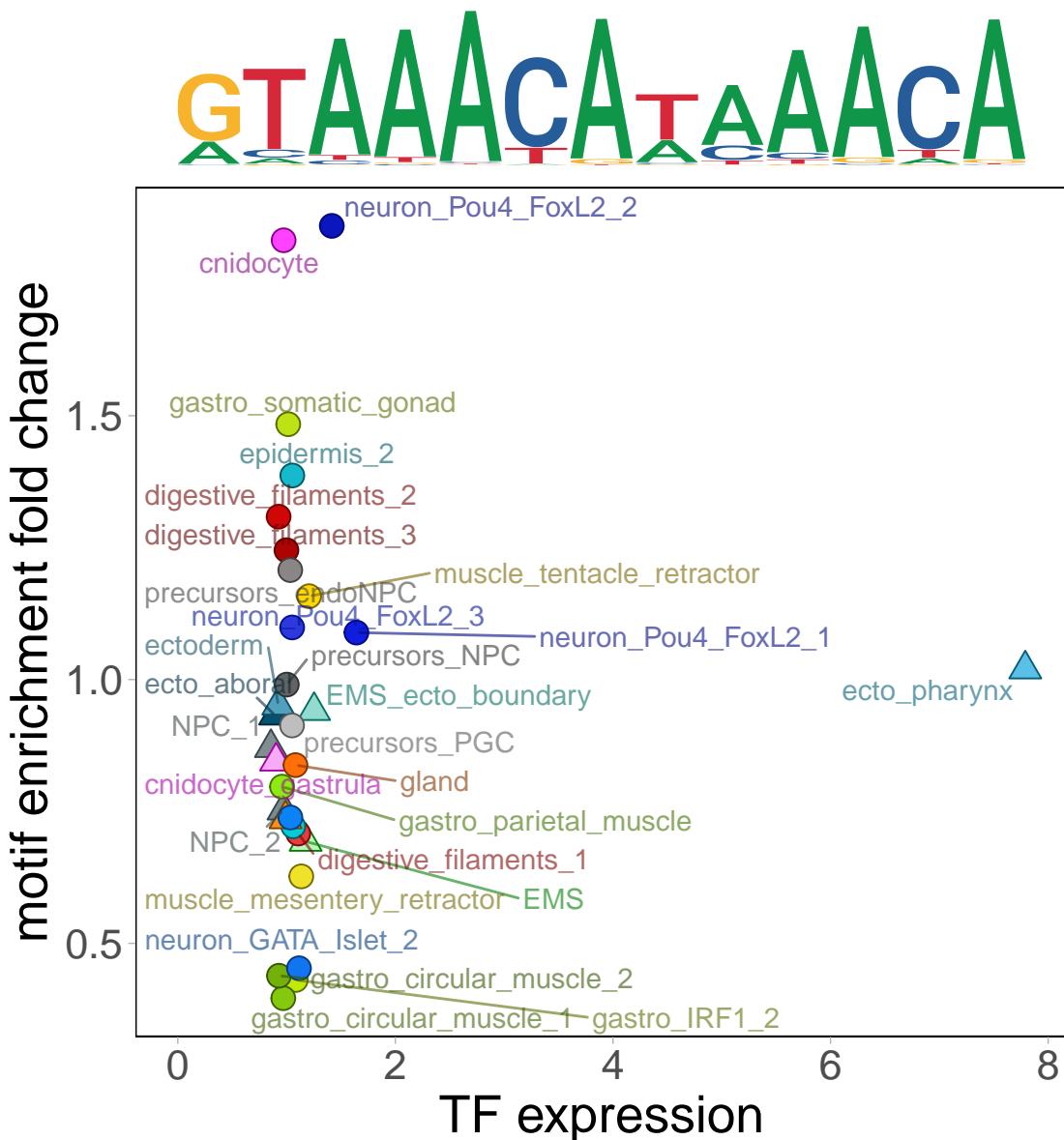
Nvec\_vc1.1\_XM\_032387167.2 (FoxA/D)  
OG: Forkhead.HG1.1:FOXA1/FOXA2/FoxD  
PFAM: Forkhead  
motif: ARCH1102\_Foxa3/Foxa1/Foxa2\_  
TF family: Forkhead  
archetype family: Forkhead  
CisBP assigned: TRUE  
rank: 70  
gene expression correlation: -0.0869  
gene score correlation: 0.2961



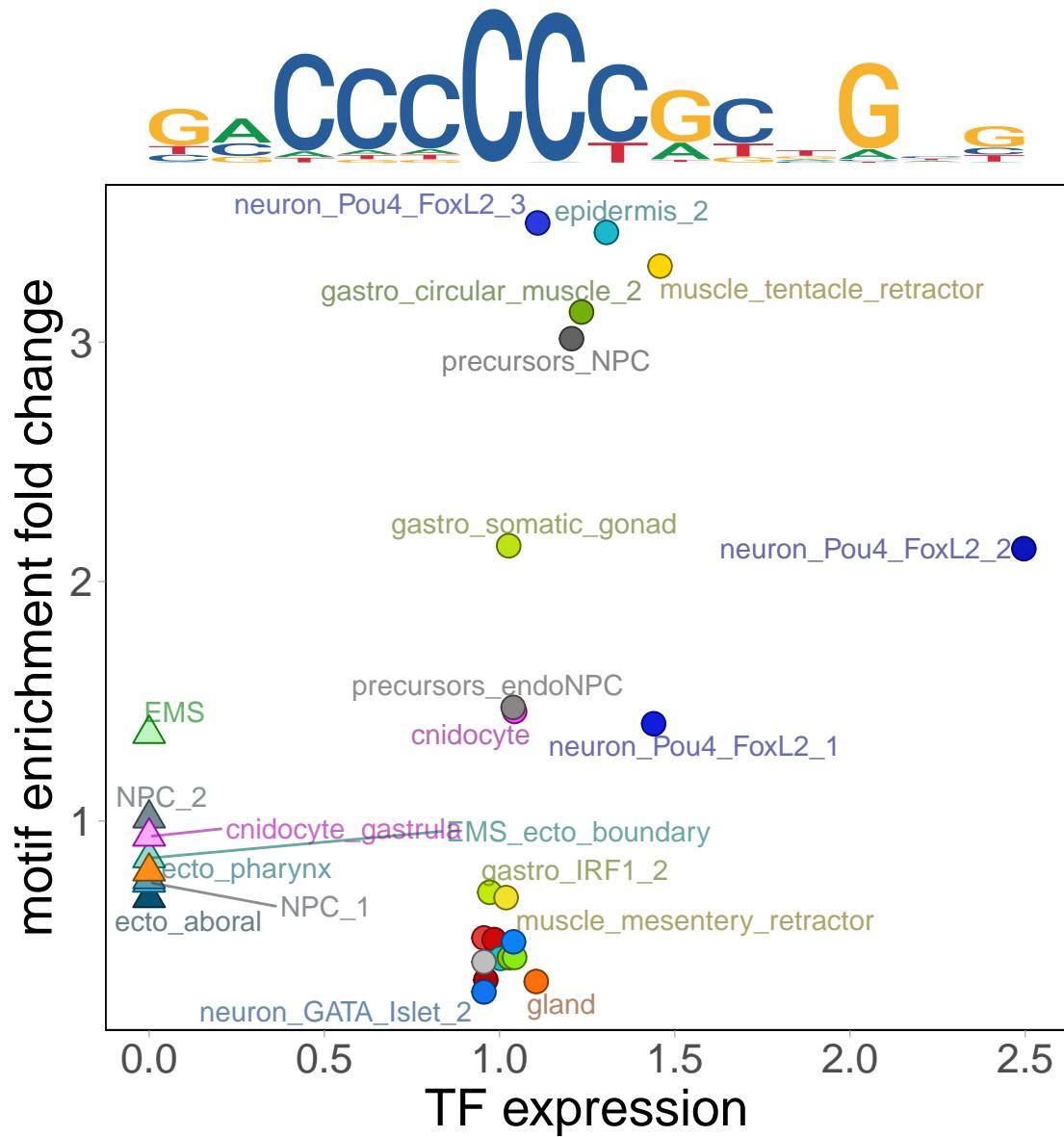
Nvec\_vc1.1\_XM\_032387186.2 (SnailA)  
OG: zf-C2H2.HG7.5:SNAI1/SNAI2/SNA  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: ARCH866\_ZNF317  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 251  
gene expression correlation: -0.0737  
gene score correlation: -0.0721



Nvec\_vc1.1\_XM\_048728028.1 (FoxB)  
OG: Forkhead.HG1.1:FOXA1/FOXA2/FoxB  
PFAM: Forkhead  
motif: ARCH975\_Foxd2/Foxd4/Foxd3/FoxA1  
TF family: Forkhead  
archetype family: Forkhead  
CisBP assigned: FALSE  
rank: 2  
gene expression correlation: 0.0612  
gene score correlation: 0.3485



Nvec\_vc1.1\_XM\_048728976.1 (Zic-C)  
OG: zf-C2H2.HG4.5:like:ZIC1/ZIC2/ZIC  
PFAM: zf\_ZIC/zf-C2H2/zf-C2H2  
motif: ARCH353\_M06062\_2.00\_\_M064  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: TRUE  
rank: 1  
gene expression correlation: 0.3989  
gene score correlation: 0.8682



Nvec\_vc1.1\_XM\_048730161.1 (Cnido-OG: bZIP.HG1.9:like:ATF3/ATF4/ATF5/PFAM: bZIP\_1

motif: M04272\_2.00

TF family: bZIP

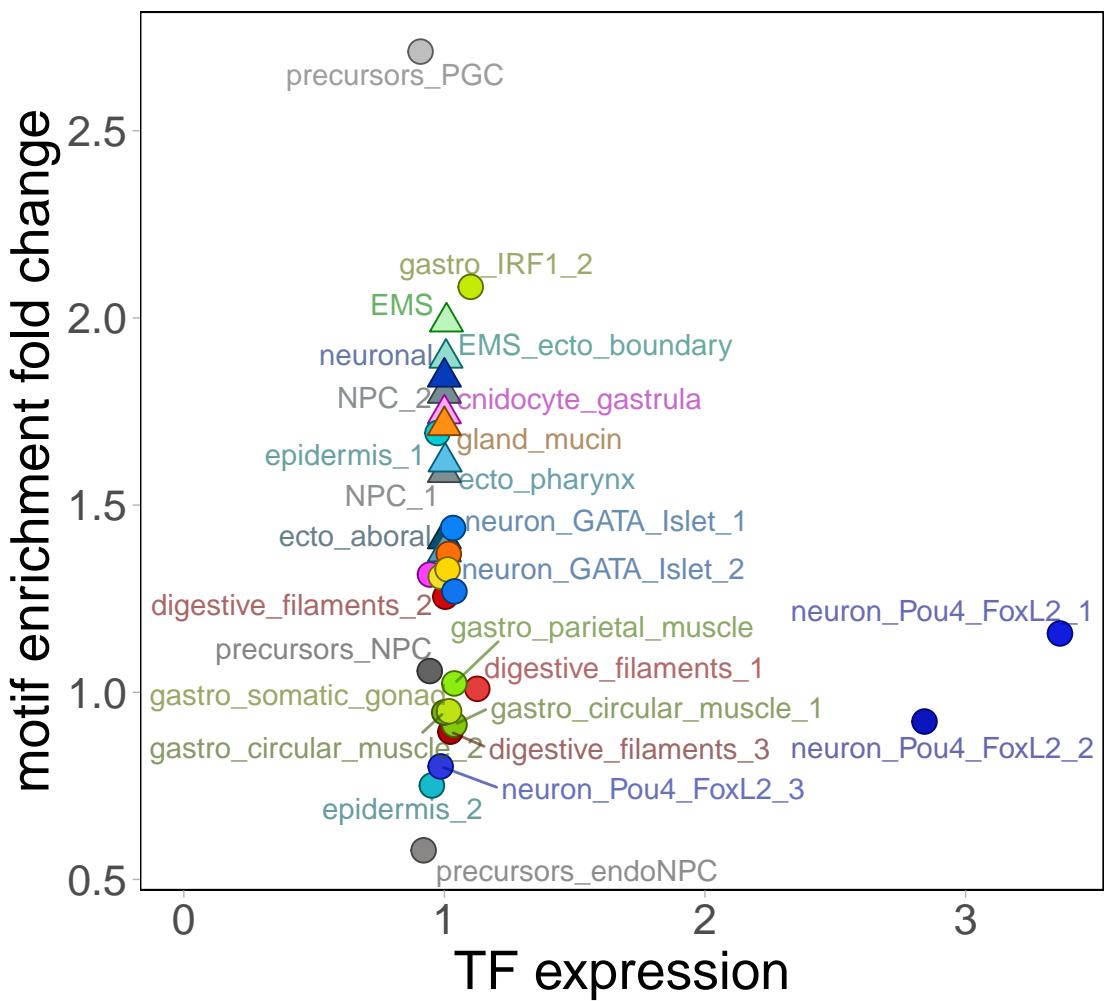
archetype family: bZIP

CisBP assigned: TRUE

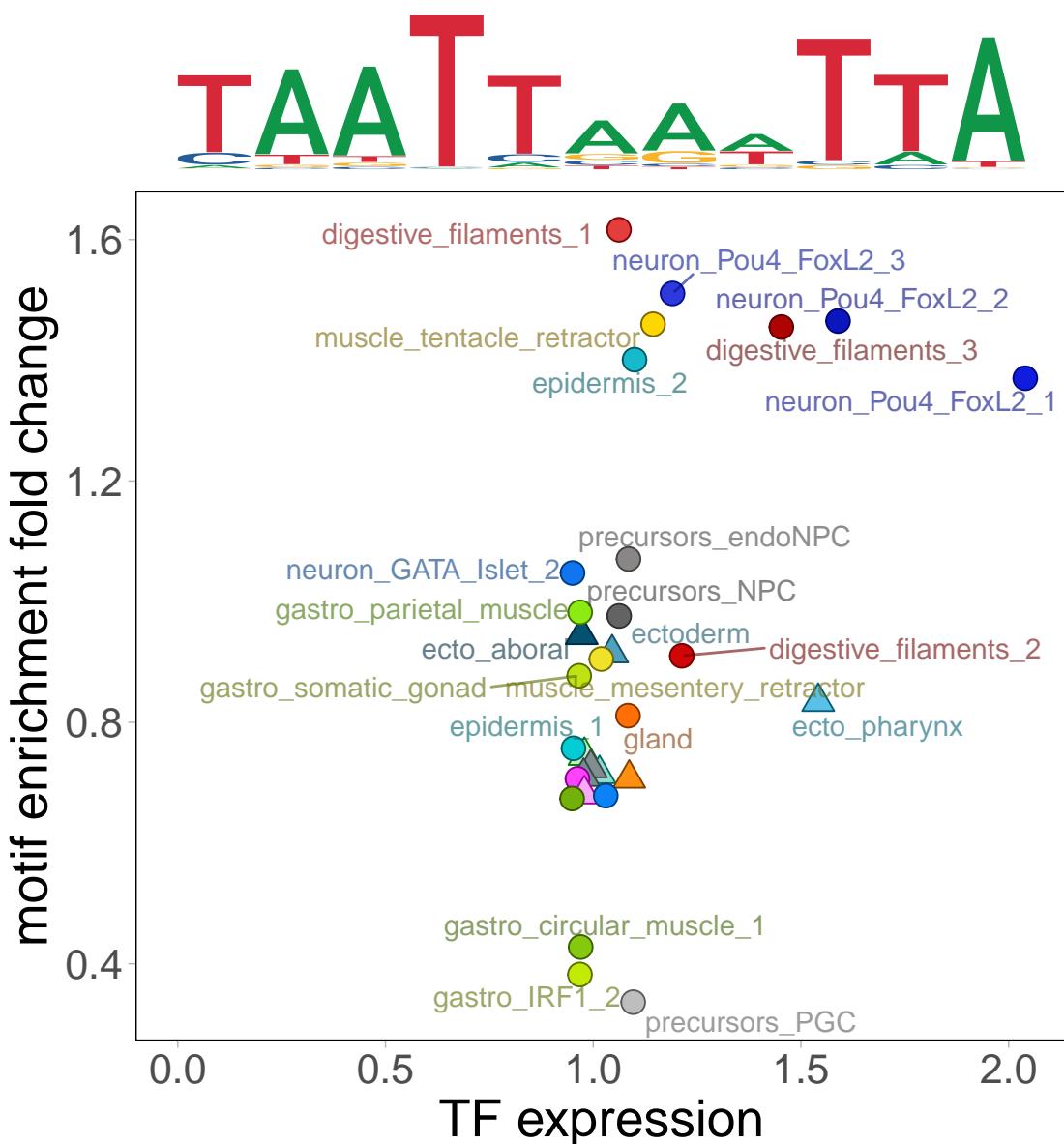
rank: 0

gene expression correlation: -0.1794

gene score correlation: -0.1654



Nvec\_vc1.1\_XM\_048731137.1 (LMX)  
OG: Homeodomains.HG2.20:LHX1/LHX  
PFAM: LIM/LIM/Homeodomain  
motif: ARCH233\_Alx3/Alx4/Alx1\_Barx...  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: TRUE  
rank: 81  
gene expression correlation: 0.4974  
gene score correlation: 0.3393



Nvec\_NVE19743

OG: HLH.HG1.55:like:TCF23/TCF24

PFAM: HLH

motif: Nvec\_NVE19743\_HLH.HG1.55:li

TF family: HLH

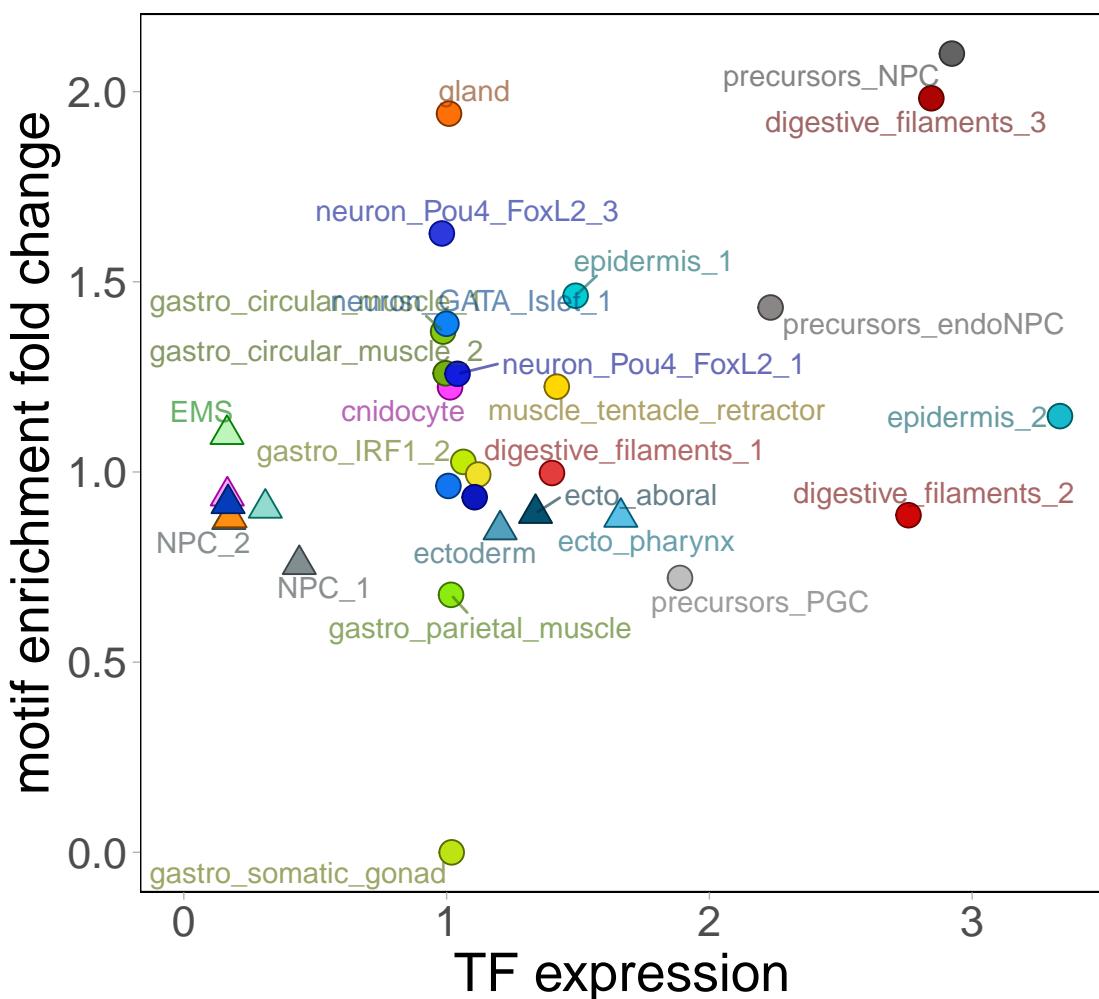
archetype family: HLH

CisBP assigned: FALSE

rank: 0

gene expression correlation: 0.3810

gene score correlation: 0.3016



Nvec\_NVE7697

OG: Homeodomains.HG2.24:like:LEUT

PFAM: Homeodomain

motif: ARCH242\_Hlx

TF family: Homeodomains

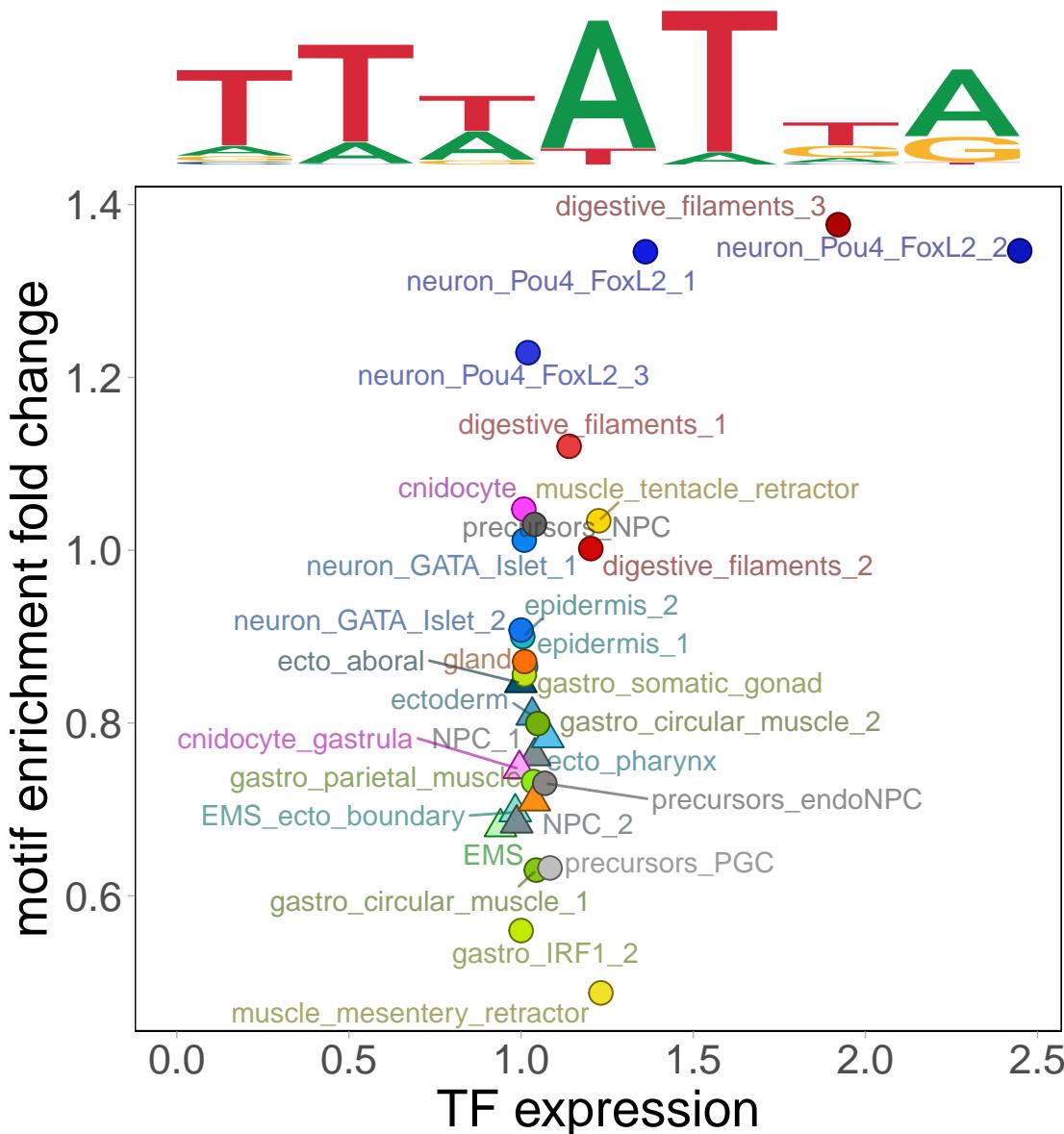
archetype family: Homeodomains

CisBP assigned: FALSE

rank: 23

gene expression correlation: 0.6075

gene score correlation: 0.4105



# Nvec\_v1g210540

# OG: HLH.HG1.68:like:ASCL3/ASCL4/AS

# PFAM: HLH

motif: M04211 2.00

## TF family: HLH

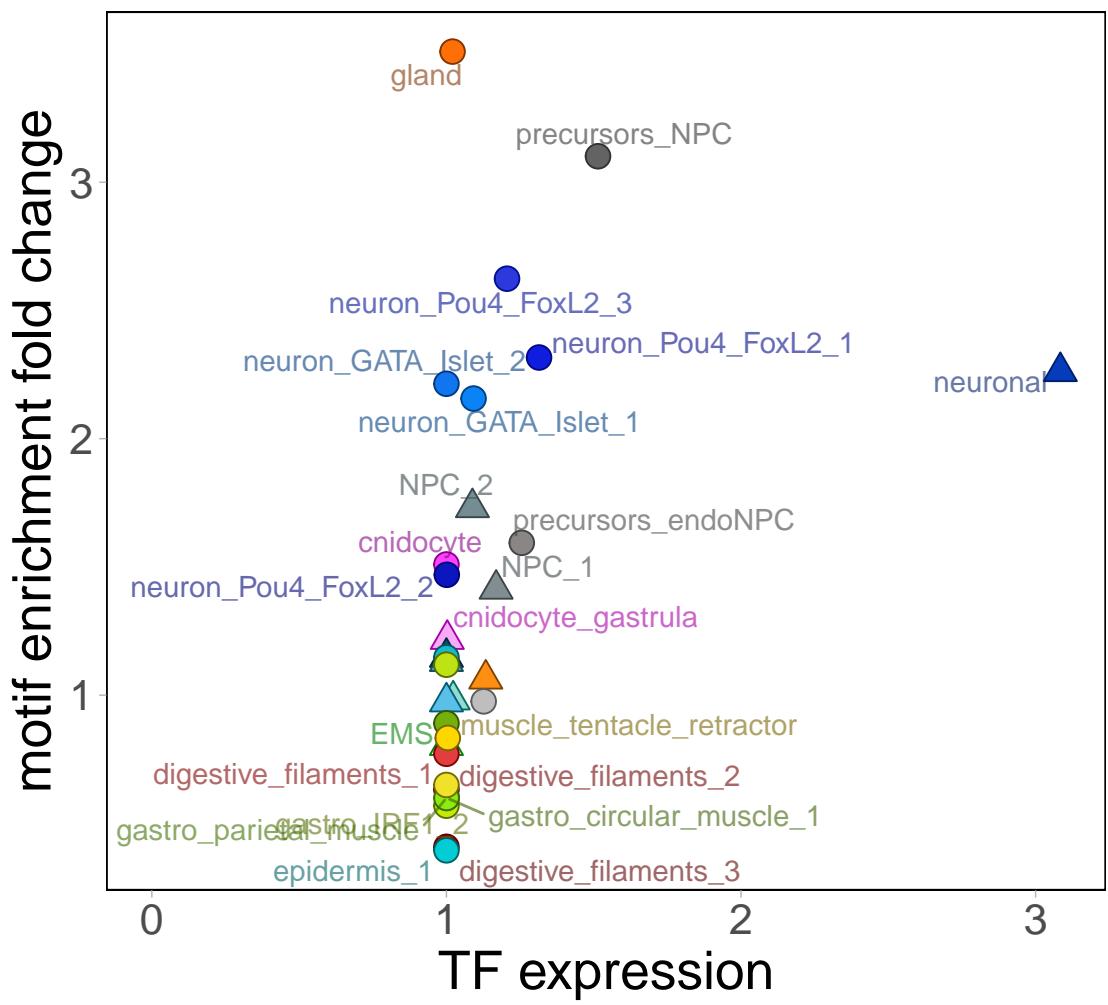
# archetype family: HLH

CisBP assigned: FALSE

rank: 0

gene expression correlation: 0.3872

gene score correlation: 0.6551



Nvec\_v1g241767

OG: bZIP.HG1.3:like:JUN/JUNB/JUND

PFAM: Jun

motif: ARCH364\_Creb3I2/Creb3I1\_Cre.

TF family: bZIP

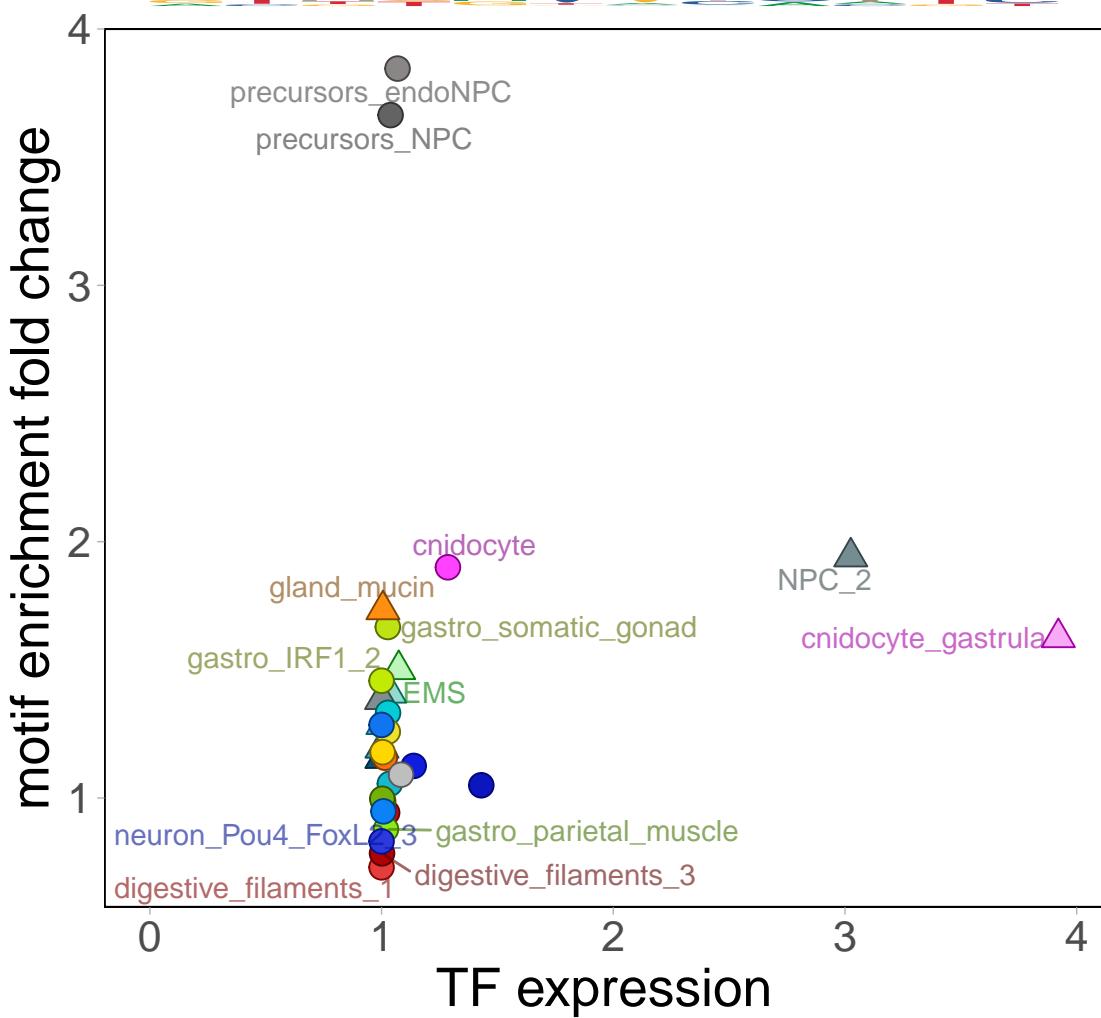
archetype family: bZIP

CisBP assigned: FALSE

rank: 445

gene expression correlation: 0.1452

gene score correlation: -0.0544



Nvec\_v1g244929

OG: zf-C2H2.HG1.14:like:AC008758.1/

PFAM: zf-C2H2/zf-C2H2

motif: ARCH1345\_Gfi1b/Gfi1

TF family: zf-C2H2

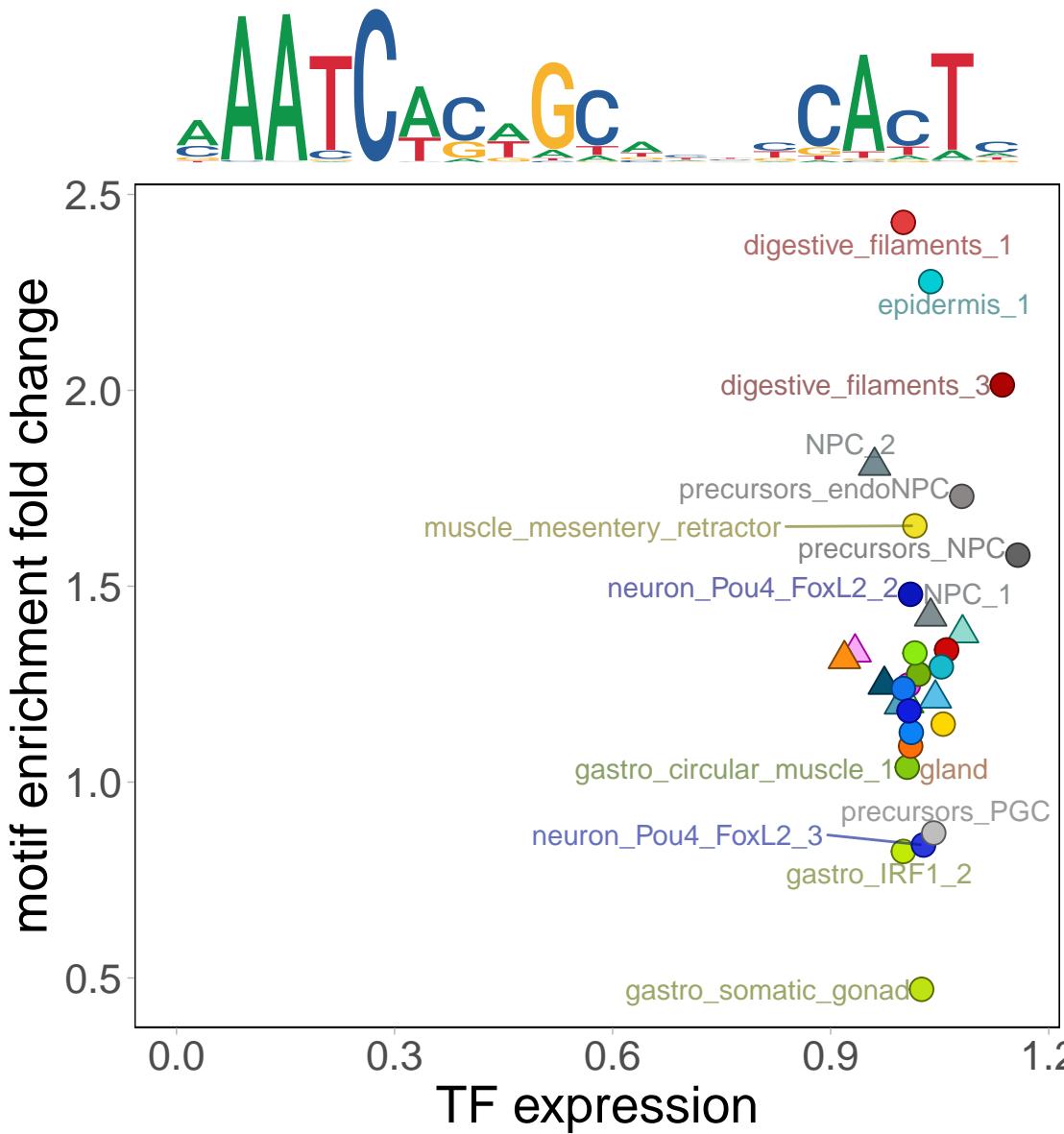
archetype family: zf-C2H2

CisBP assigned: FALSE

rank: 670

gene expression correlation: 0.1859

gene score correlation: 0.0219



Nvec\_v1g99666

OG: HLH.HG1.93;like:SCX/TCF15

## PFAM: HLH

motif: ARCH1533 BHLH112

## TF family: HLH

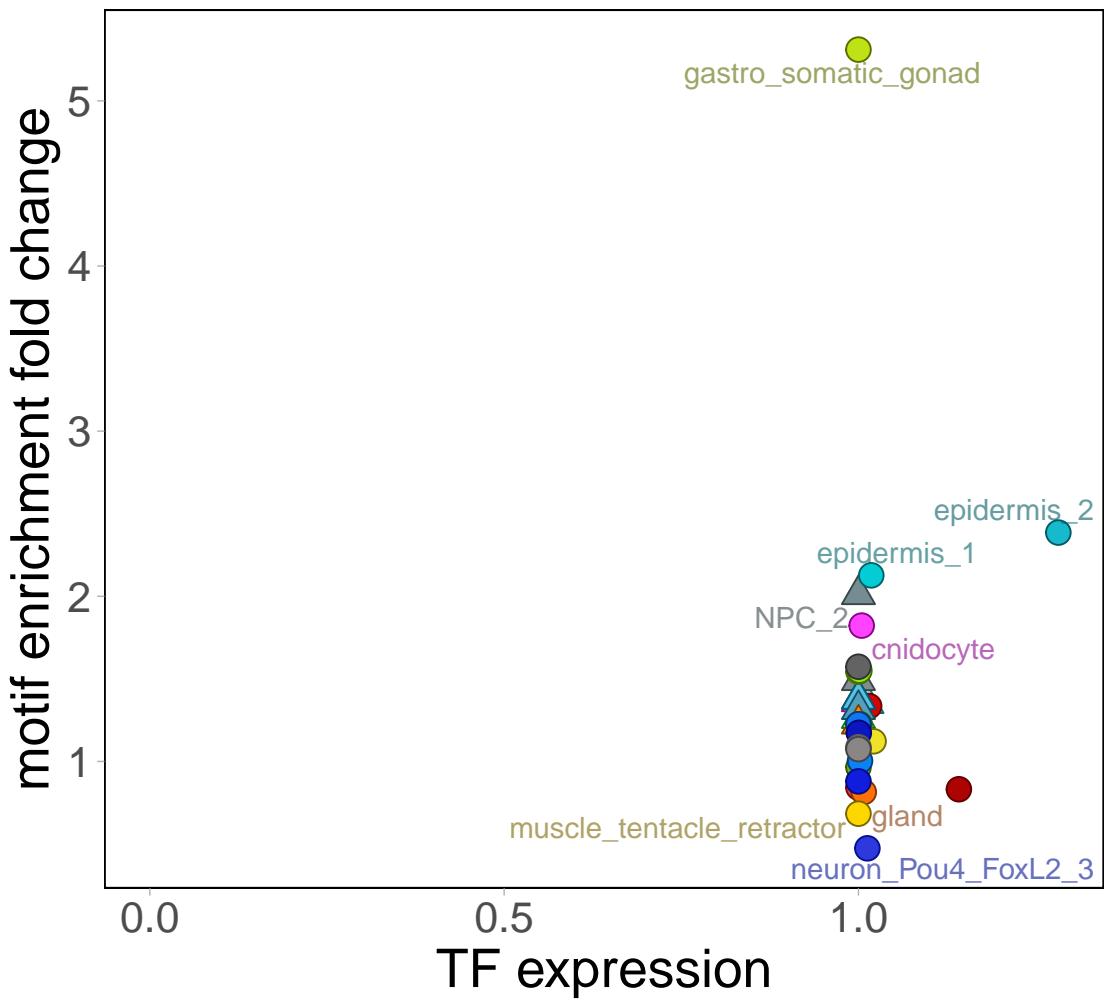
# archetype family: HLH

CisBP assigned: FALSE

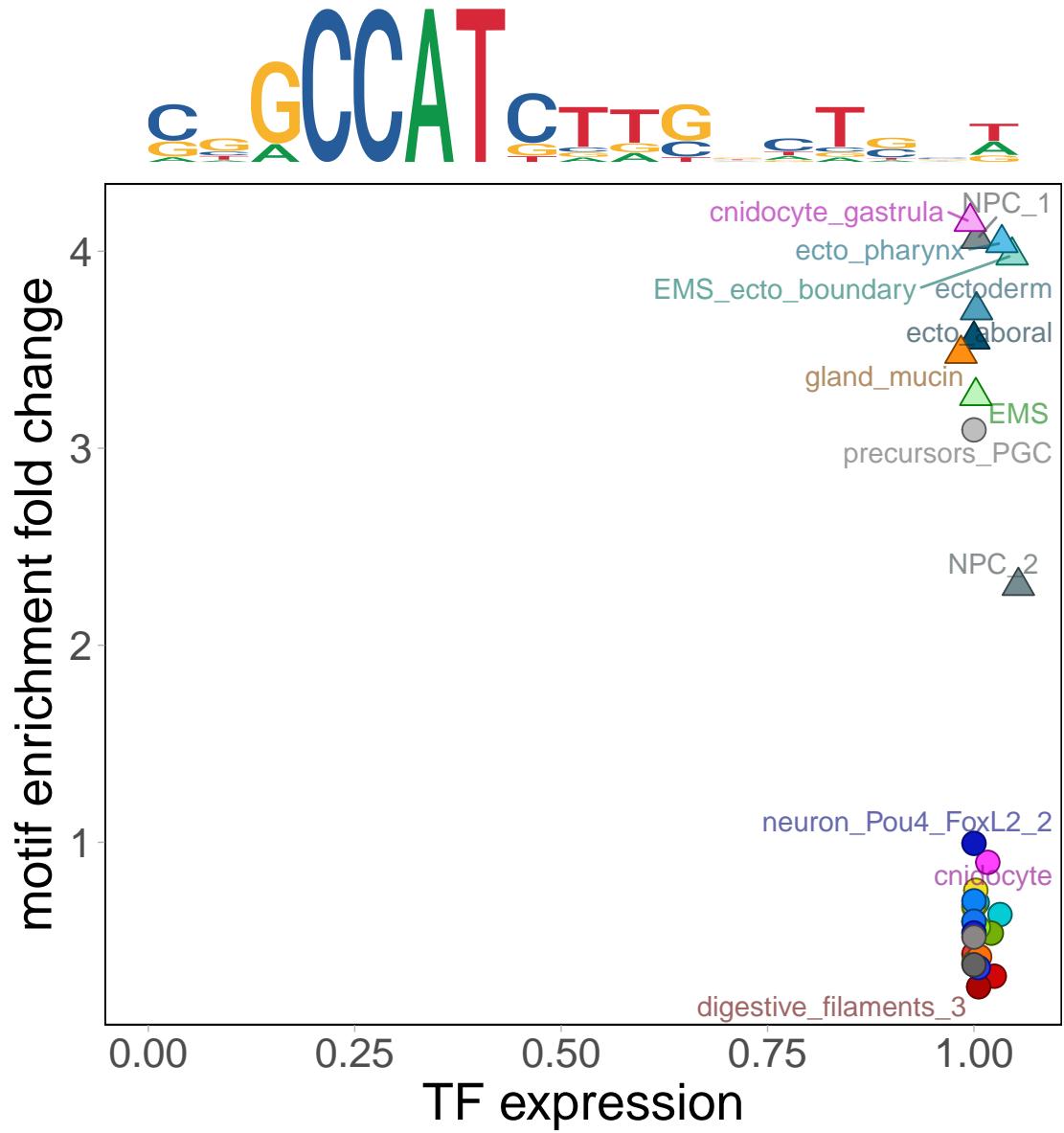
rank: 33

gene expression correlation: 0.1304

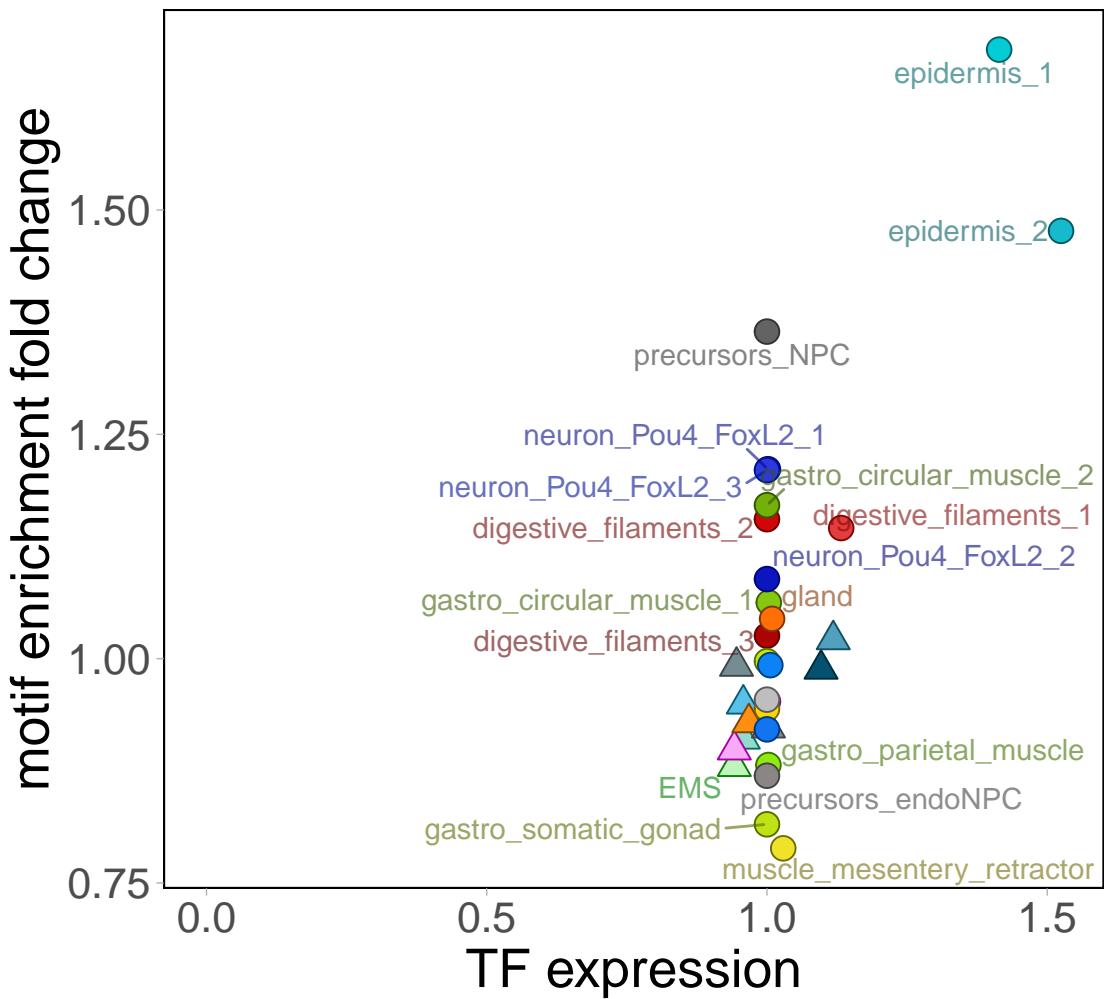
gene score correlation: 0.1671



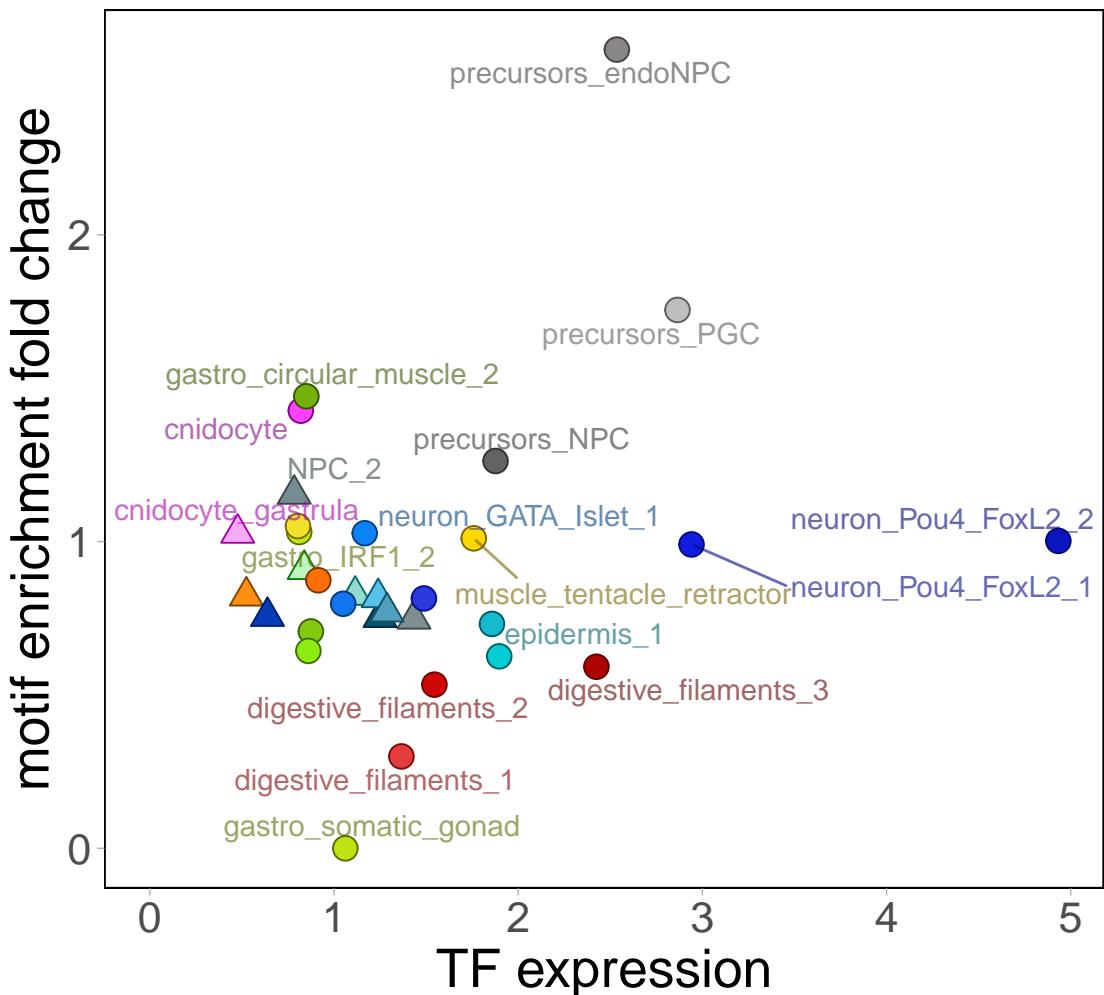
Nvec\_vc1.1\_XM\_001618929.3  
OG: zf-C2H2.HG10.1:ZFP3/ZNF319/Z  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: ARCH523\_Yy1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 2  
gene expression correlation: 0.1426  
gene score correlation: 0.0146



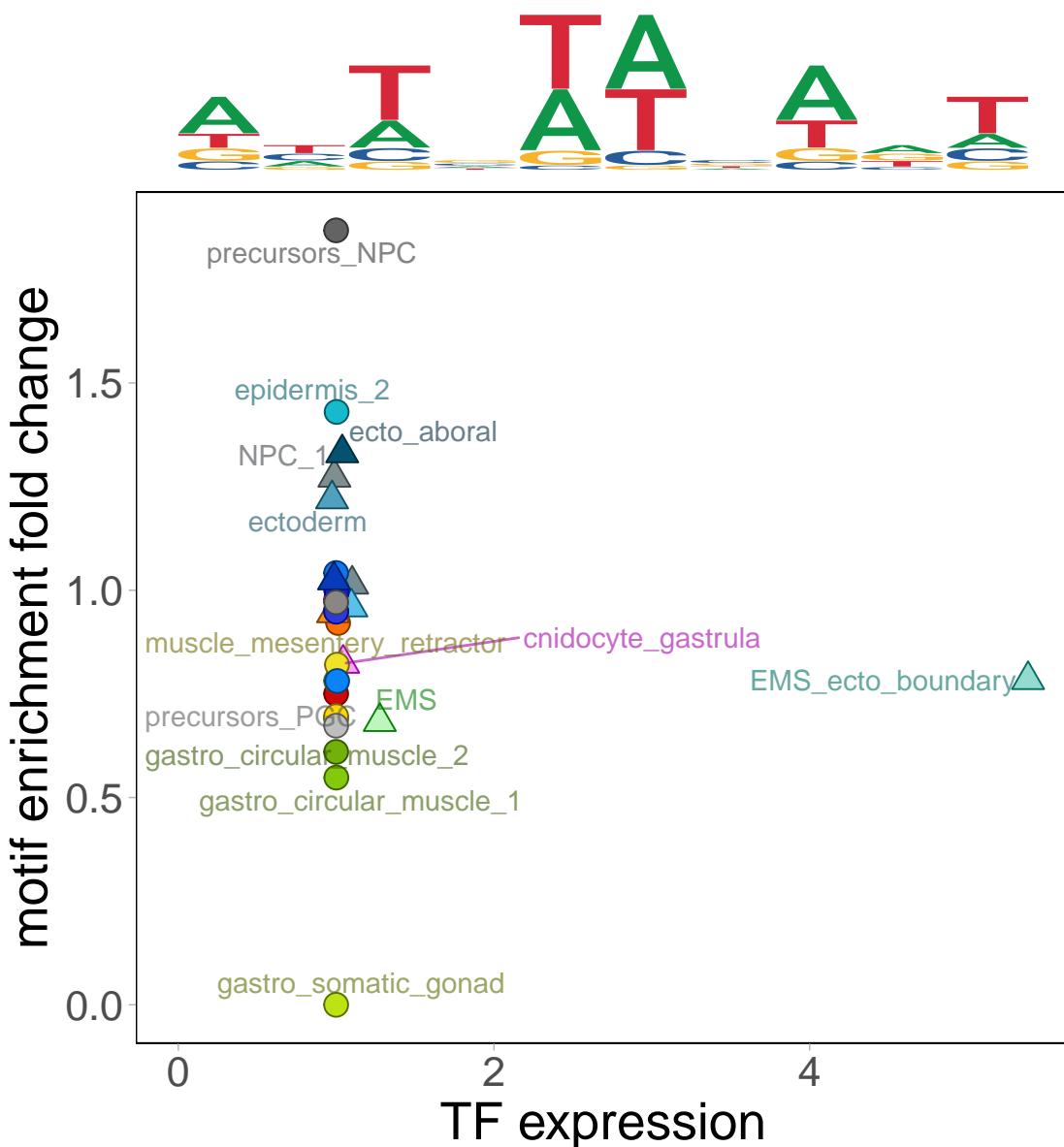
Nvec\_vc1.1\_XM\_001623127.3  
OG: Forkhead.HG1.31:like:FOXO1/FOX  
PFAM: Forkhead  
motif: ARCH1397\_RBFox2\_\_OCT:OCT-  
TF family: Forkhead  
archetype family: Forkhead  
CisBP assigned: FALSE  
rank: 10  
gene expression correlation: 0.7266  
gene score correlation: 0.6712



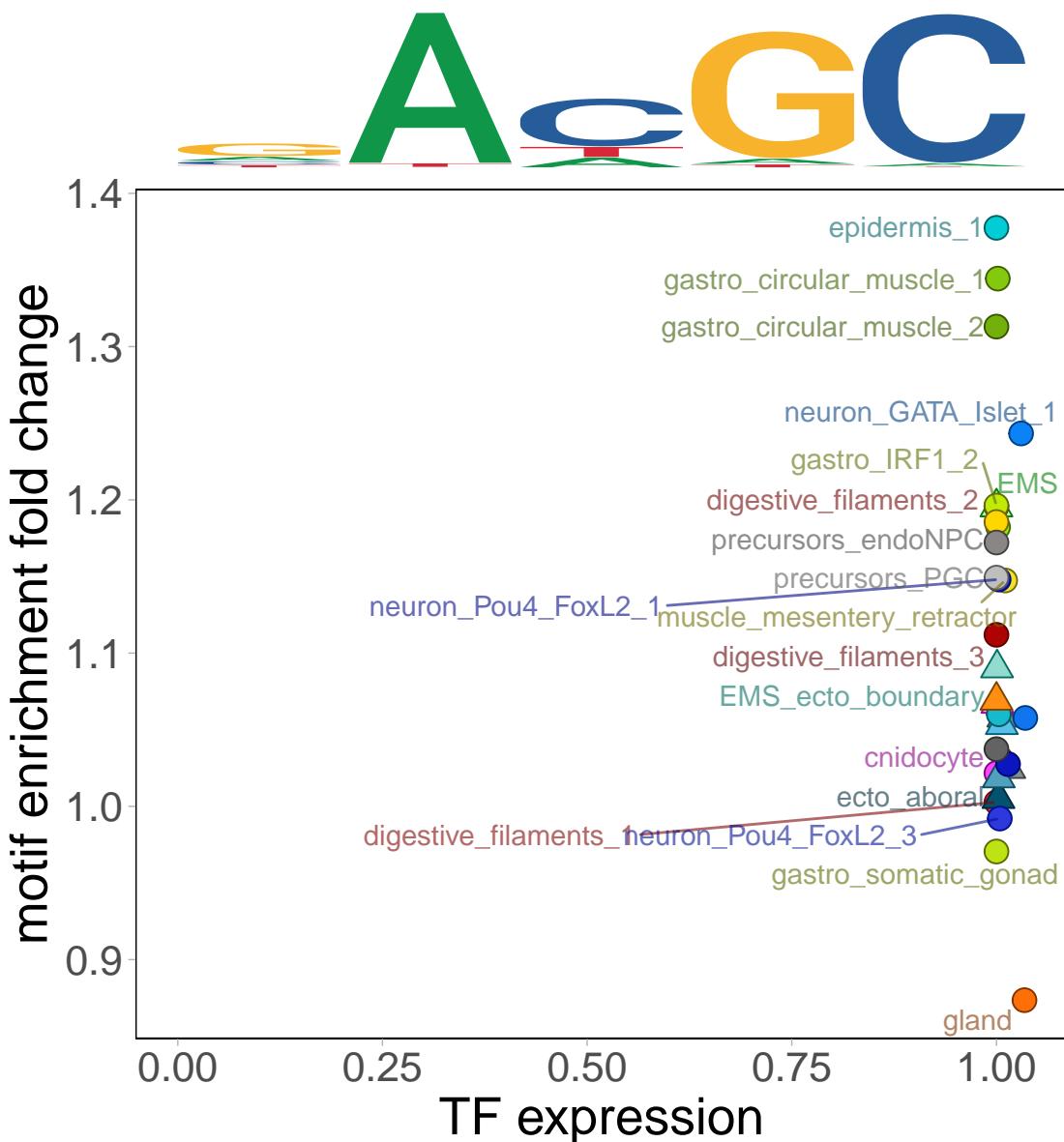
Nvec\_vc1.1\_XM\_001623467.3  
OG: bZIP.HG1.12:CREBZF  
PFAM: bZIP\_2  
motif: Nvec\_vc1.1\_XM\_001623467.3\_b  
TF family: bZIP  
archetype family: bZIP  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.2394  
gene score correlation: 0.3109



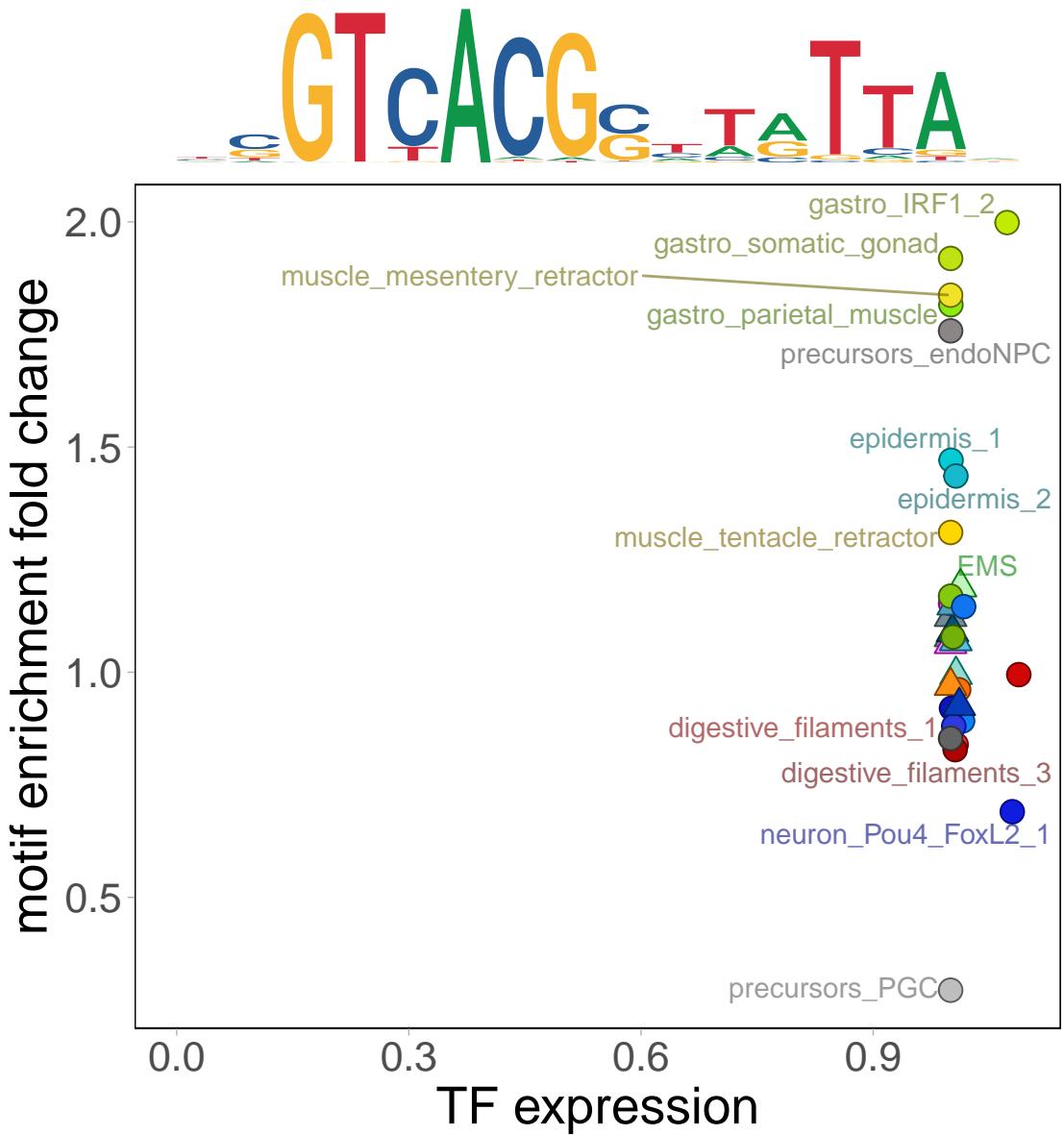
Nvec\_vc1.1\_XM\_001623946.3  
OG: Homeodomains.HG2.11:DUX4/DU  
PFAM: Homeodomain  
motif: M02082\_2.00  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: TRUE  
rank: 0  
gene expression correlation: -0.0876  
gene score correlation: -0.1096



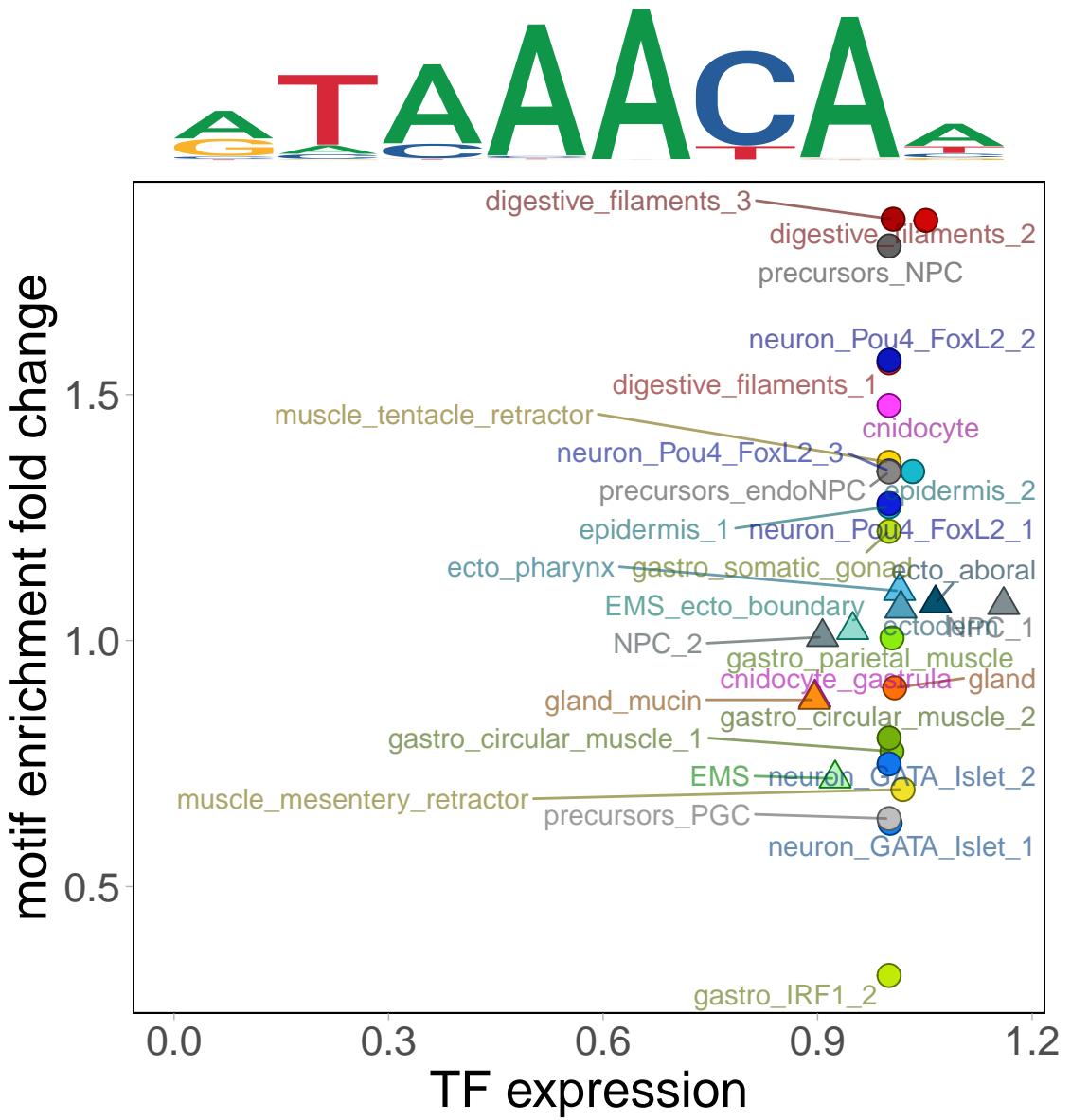
Nvec\_vc1.1\_XM\_001624046.3  
OG: Forkhead.HG1.33:like:FOXO1/FOX  
PFAM: Forkhead  
motif: ARCH954\_Foxn4/Foxn1  
TF family: Forkhead  
archetype family: Forkhead  
CisBP assigned: FALSE  
rank: 12  
gene expression correlation: -0.2704  
gene score correlation: 0.3495



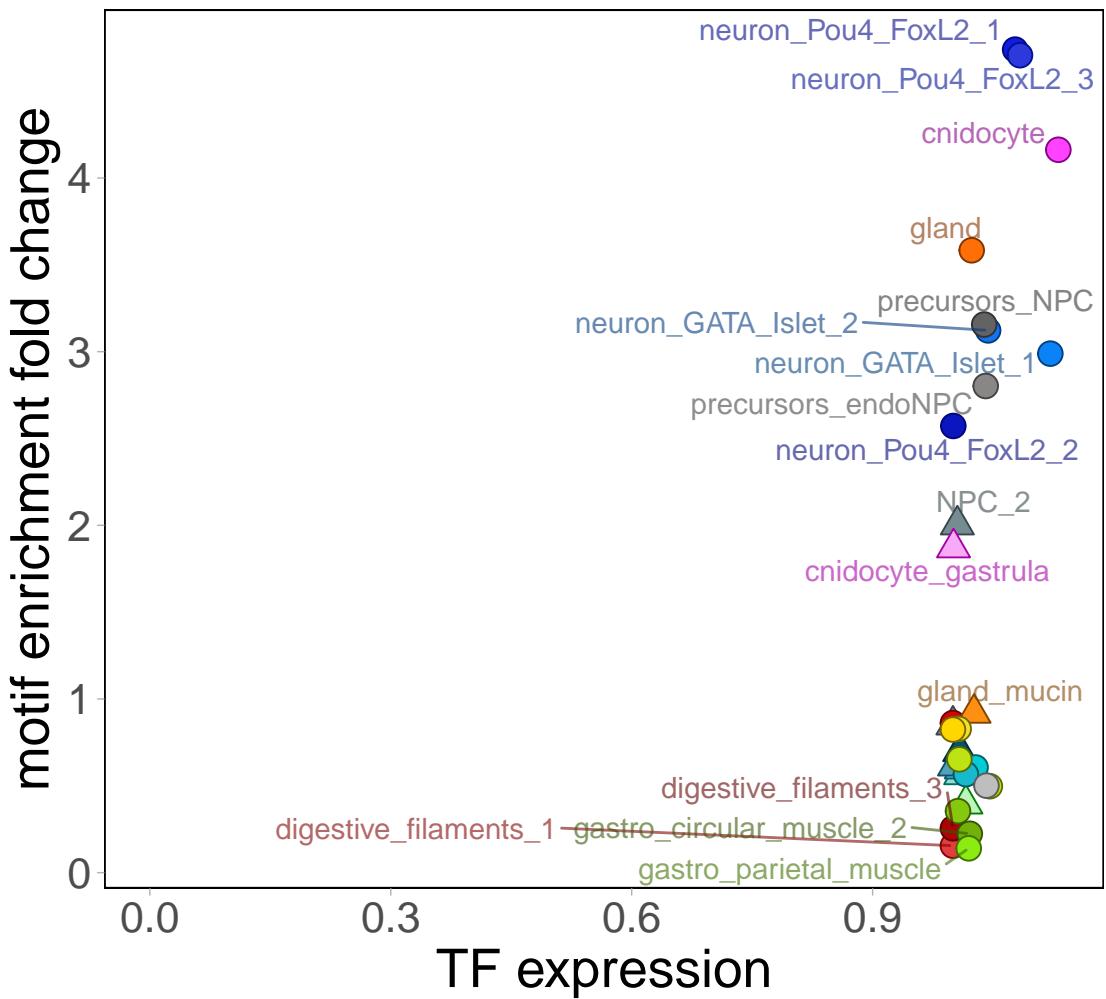
Nvec\_vc1.1\_XM\_001624560.3  
OG: Homeodomains.HG2.3:like:AC0252  
PFAM: PAX/Homeodomain  
motif: M05417\_2.00  
TF family: Pax/Homeodomain  
archetype family: Pax/Homeodomain  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.0096  
gene score correlation: -0.1111



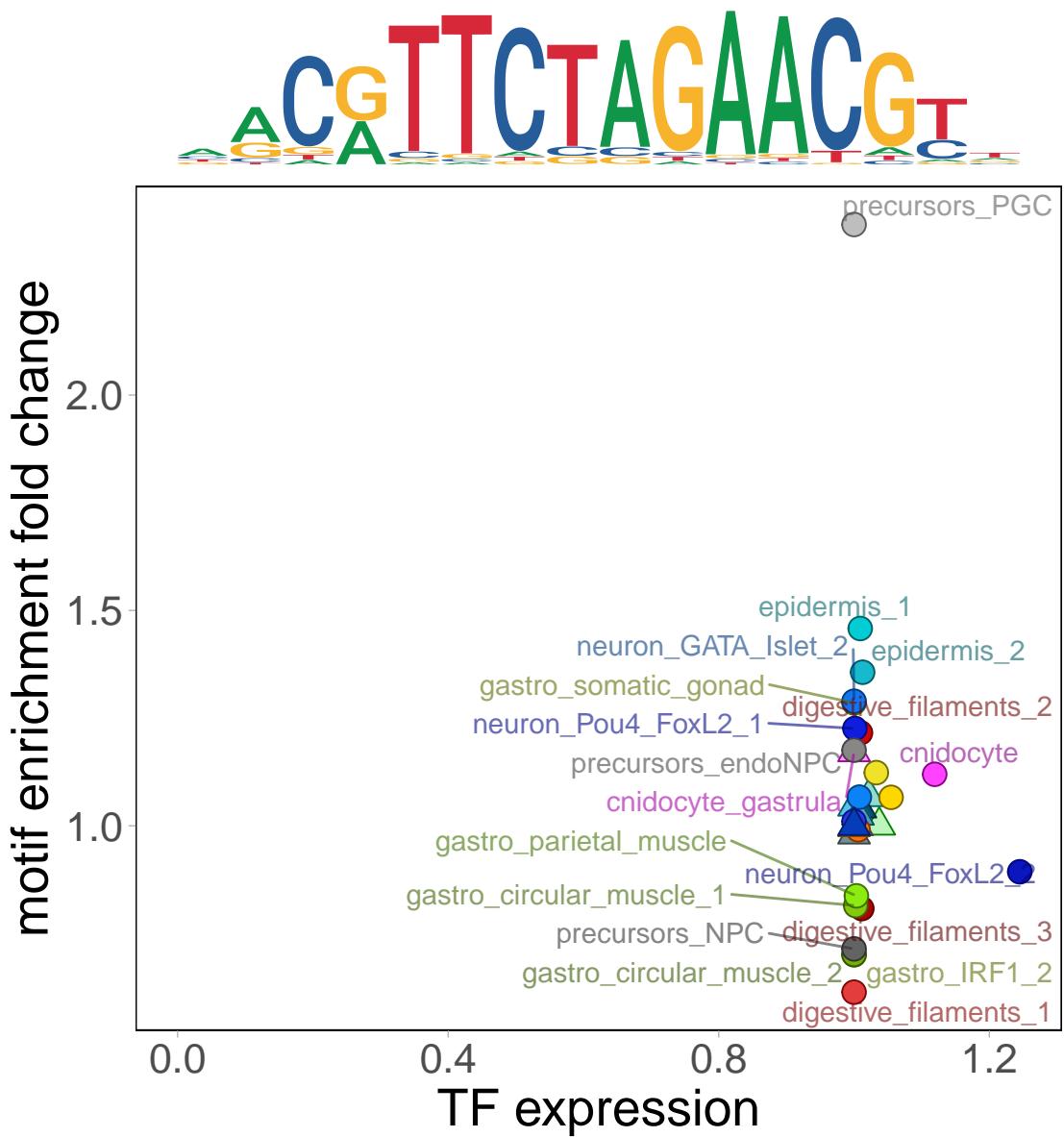
Nvec\_vc1.1\_XM\_001624689.3  
OG: Forkhead.HG1.26:FOXM1  
PFAM: Forkhead  
motif: ARCH968\_Foxa3/Foxa1/Foxa2\_F  
TF family: Forkhead  
archetype family: Forkhead  
CisBP assigned: TRUE  
rank: 12  
gene expression correlation: 0.2129  
gene score correlation: 0.2306



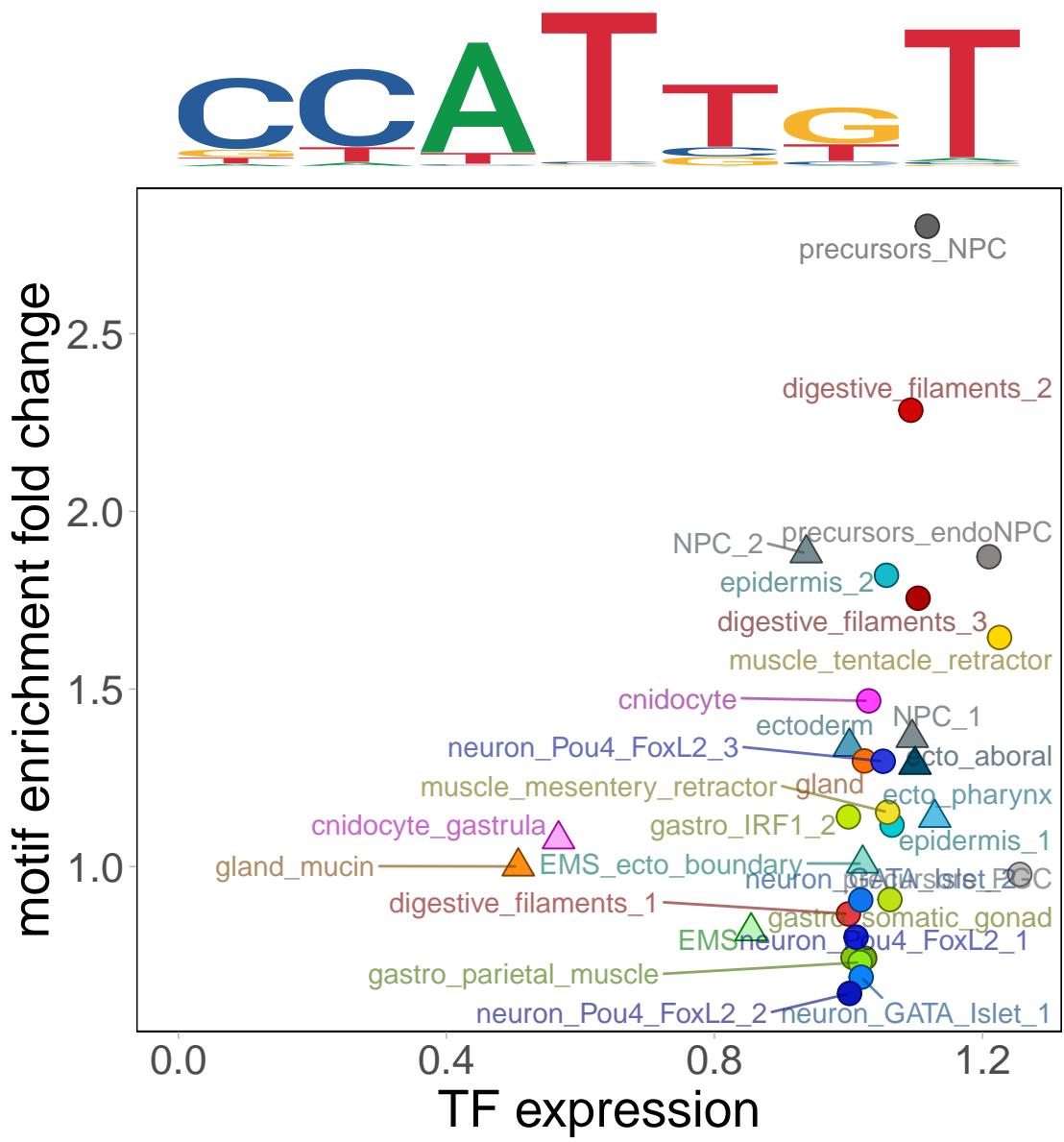
Nvec\_vc1.1\_XM\_001624941.3  
OG: zf-C2H2.HG19.1:PRDM14  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH470\_Snai2  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 893  
gene expression correlation: 0.6905  
gene score correlation: -0.0942



Nvec\_vc1.1\_XM\_001625118.3  
OG: HSF.HG1.0:like:HSF1/HSF2/HSF4/  
PFAM: HSF\_DNA-bind  
motif: M05519\_2.00  
TF family: HSF  
archetype family: HSF  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.0752  
gene score correlation: 0.0335



Nvec\_vc1.1\_XM\_001625254.3  
OG: HMGbox\_Sox.HG1.55:TFAM/UBTF  
PFAM: HMG\_box/HMG\_box  
motif: ARCH1170\_/Sox4/Sox11\_Sox13/  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: FALSE  
rank: 16  
gene expression correlation: 0.2883  
gene score correlation: 0.2913



Nvec\_vc1.1\_XM\_001625437.3

OG: Myb.HG2.3:NA

PFAM: MADF\_DNA\_bdg

motif: ARCH1526\_Mybl2/Myb/Mybl1

TF family: Myb

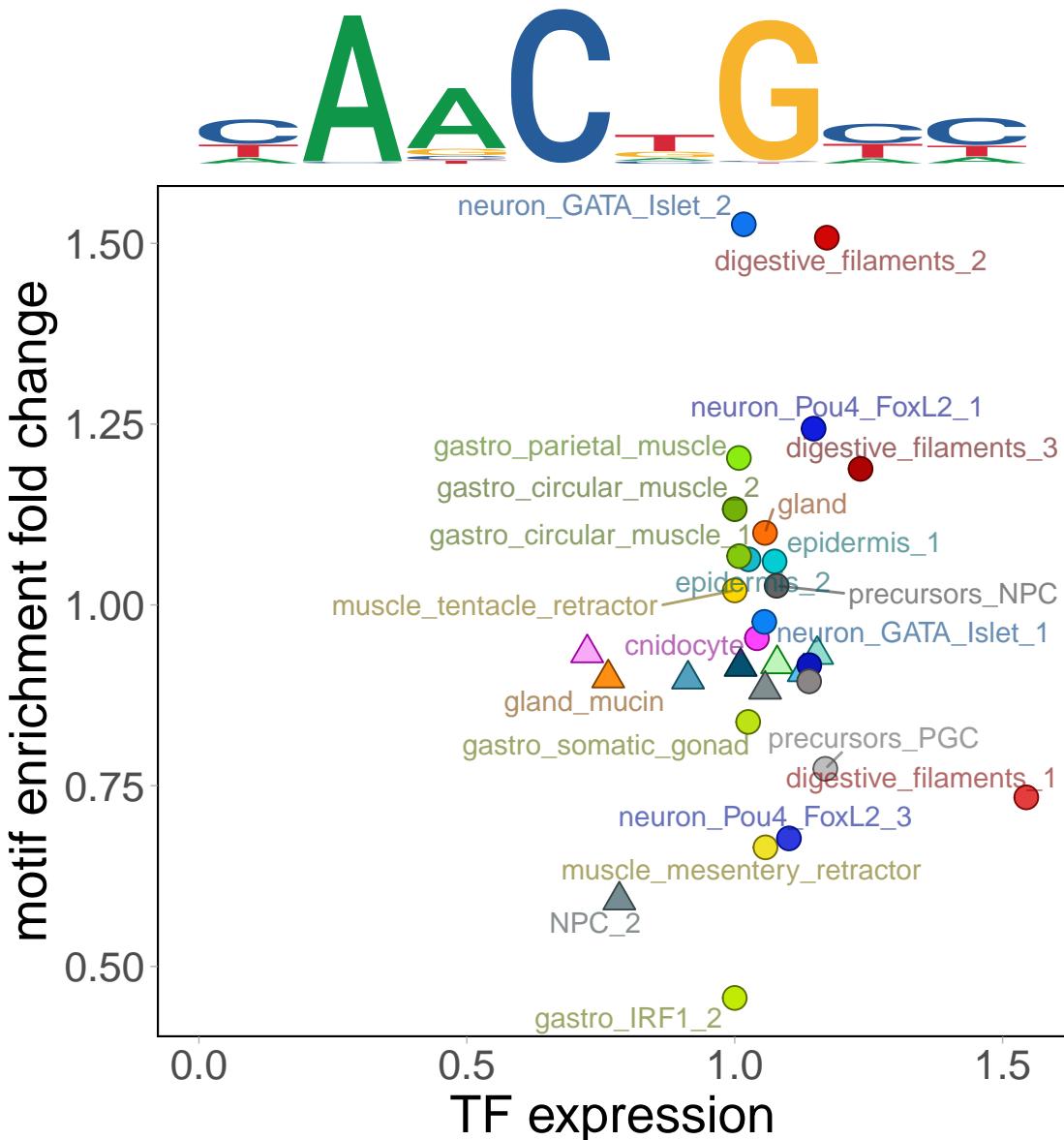
archetype family: Myb

CisBP assigned: FALSE

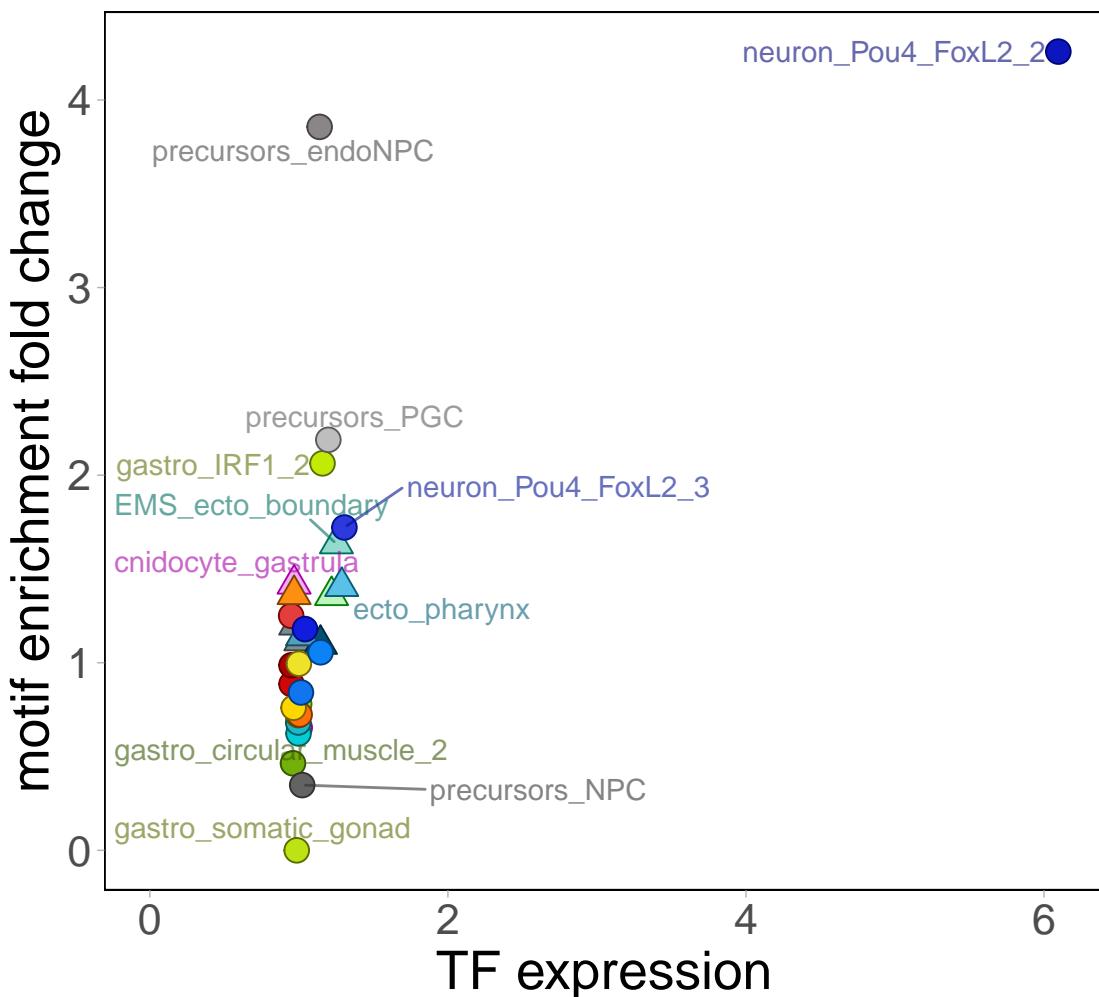
rank: 93

gene expression correlation: 0.0858

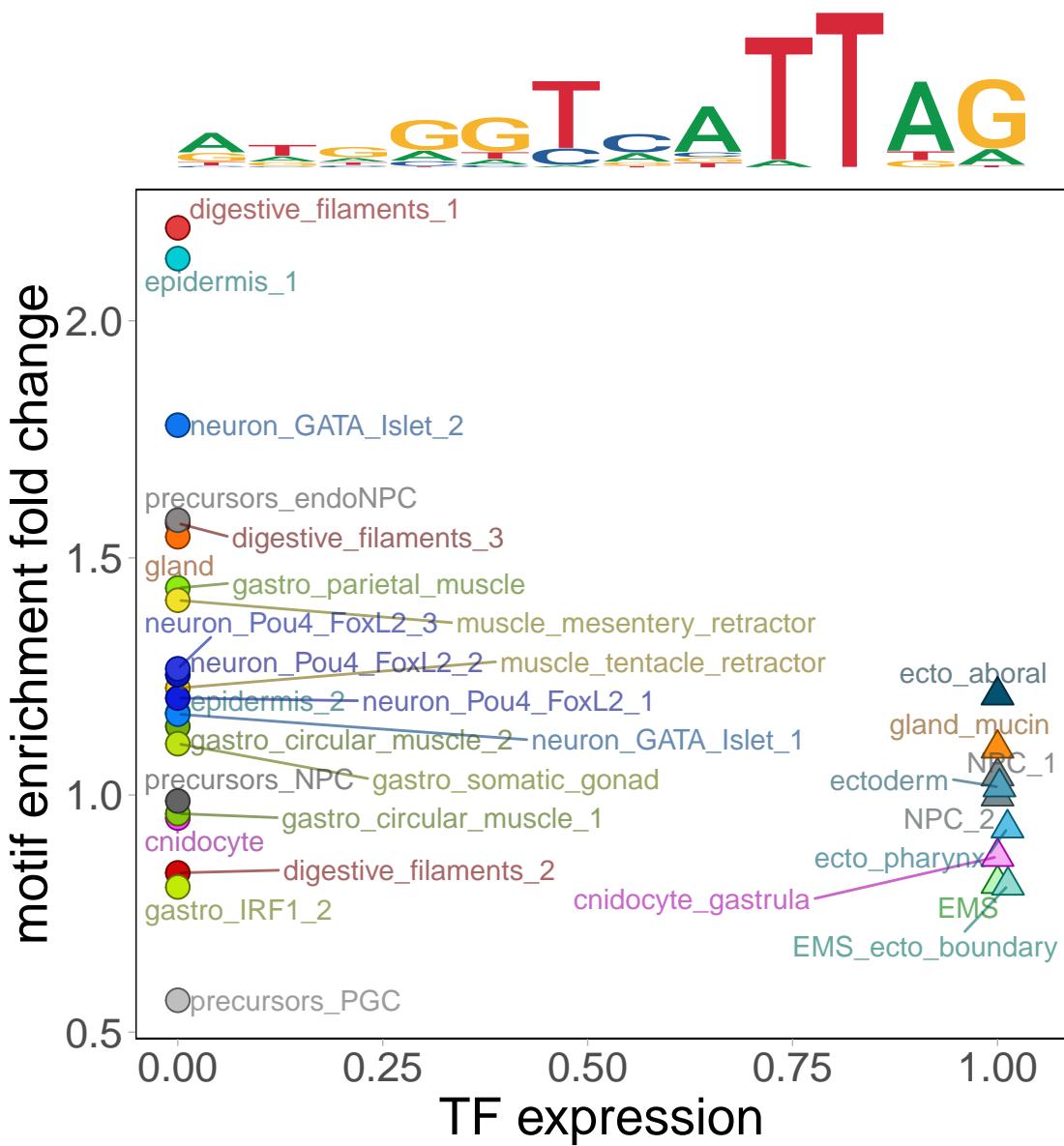
gene score correlation: -0.0756



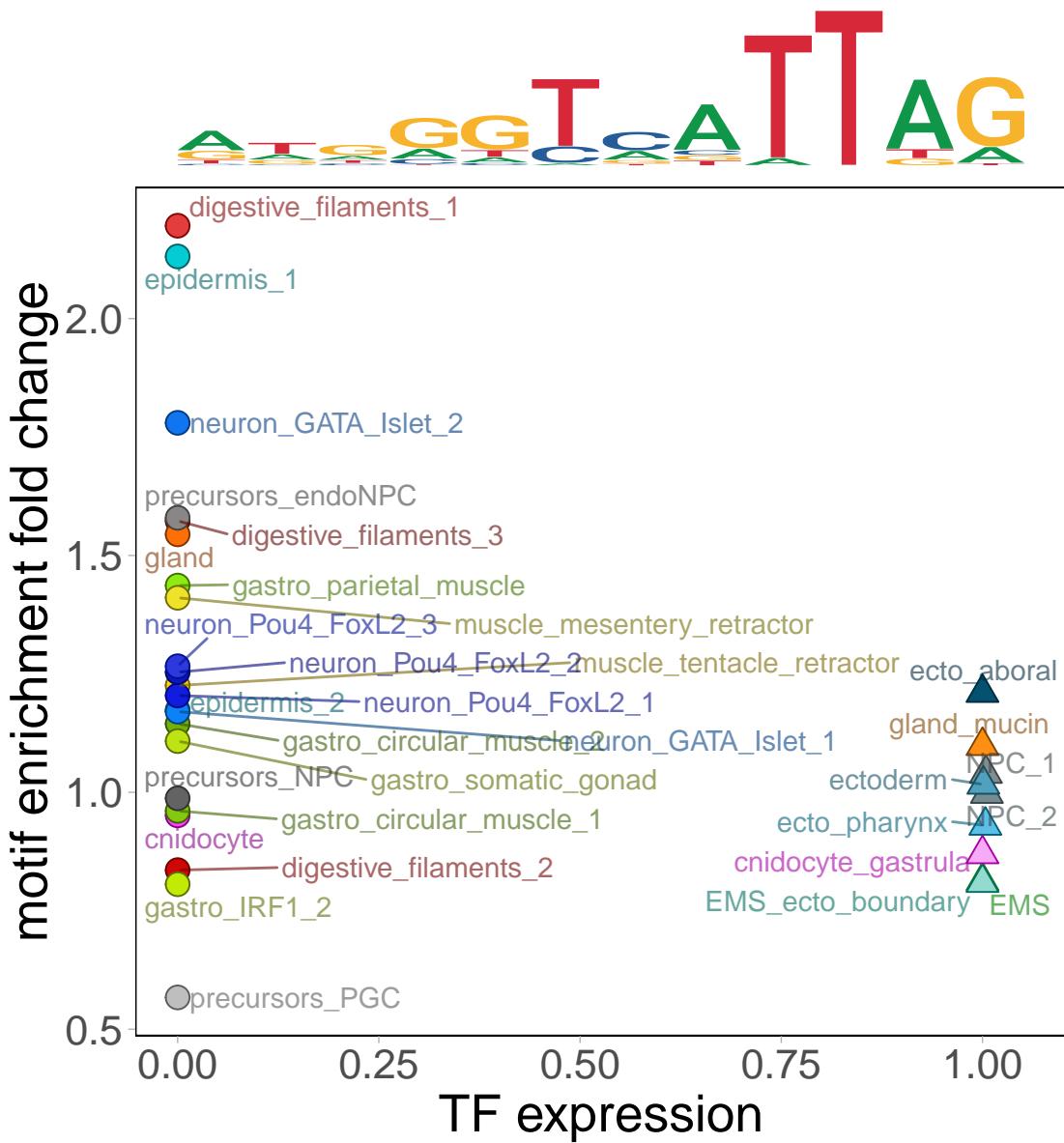
Nvec\_vc1.1\_XM\_001625588.3  
OG: Runt\_Runx.HG1.0:RUNX1/RUNX2  
PFAM: Runt  
motif: ARCH1267\_Runx3/Runx2/Runx1  
TF family: Runt\_Runx  
archetype family: Runt\_Runx  
CisBP assigned: TRUE  
rank: 1  
gene expression correlation: 0.6748  
gene score correlation: 0.7835



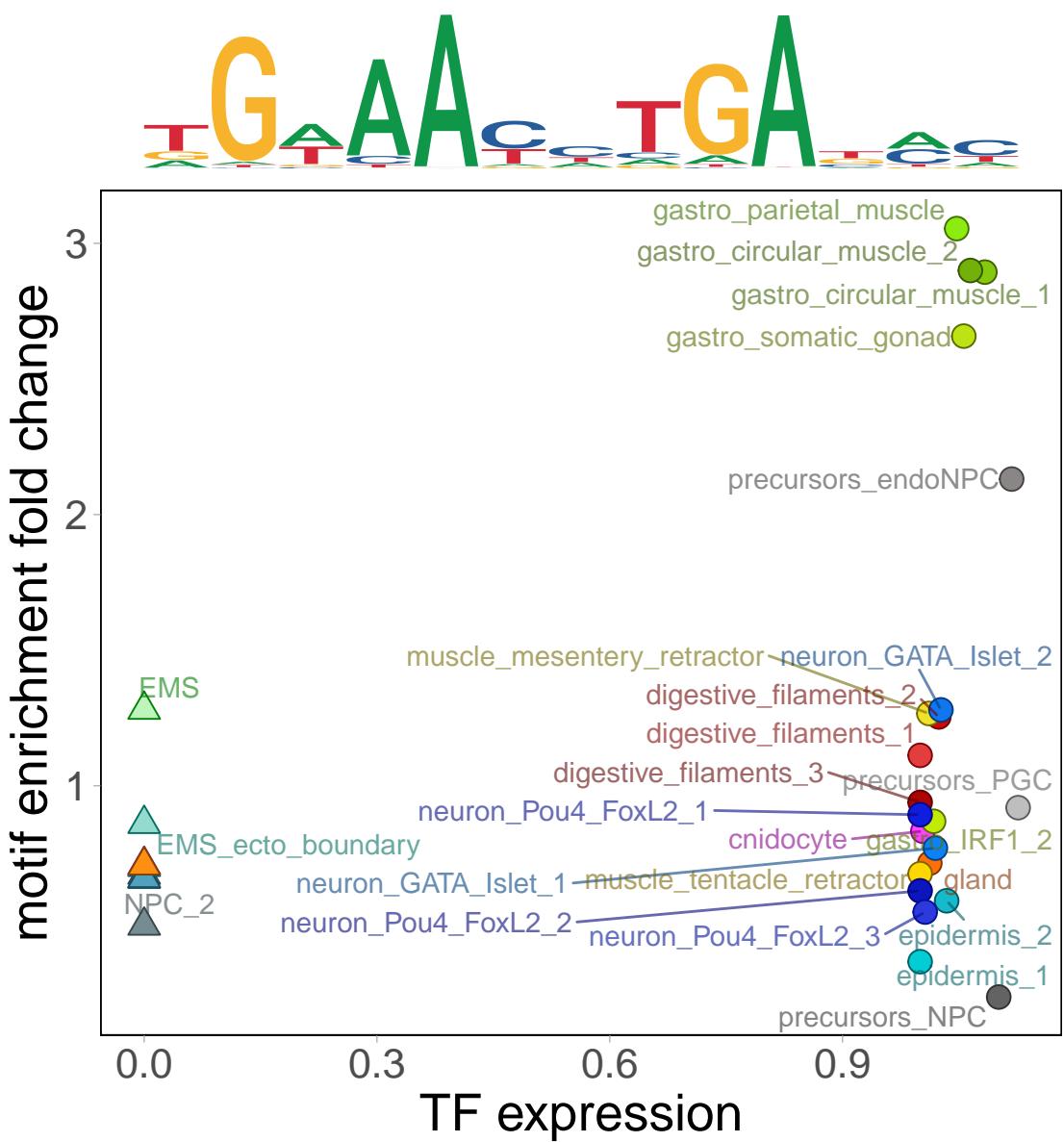
Nvec\_vc1.1\_XM\_001625754.3  
OG: Homeodomains.HG2.6:like:AC0252  
PFAM: Homeodomain  
motif: ARCH273\_HOXD3  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 56  
gene expression correlation: -0.3852  
gene score correlation: -0.3834



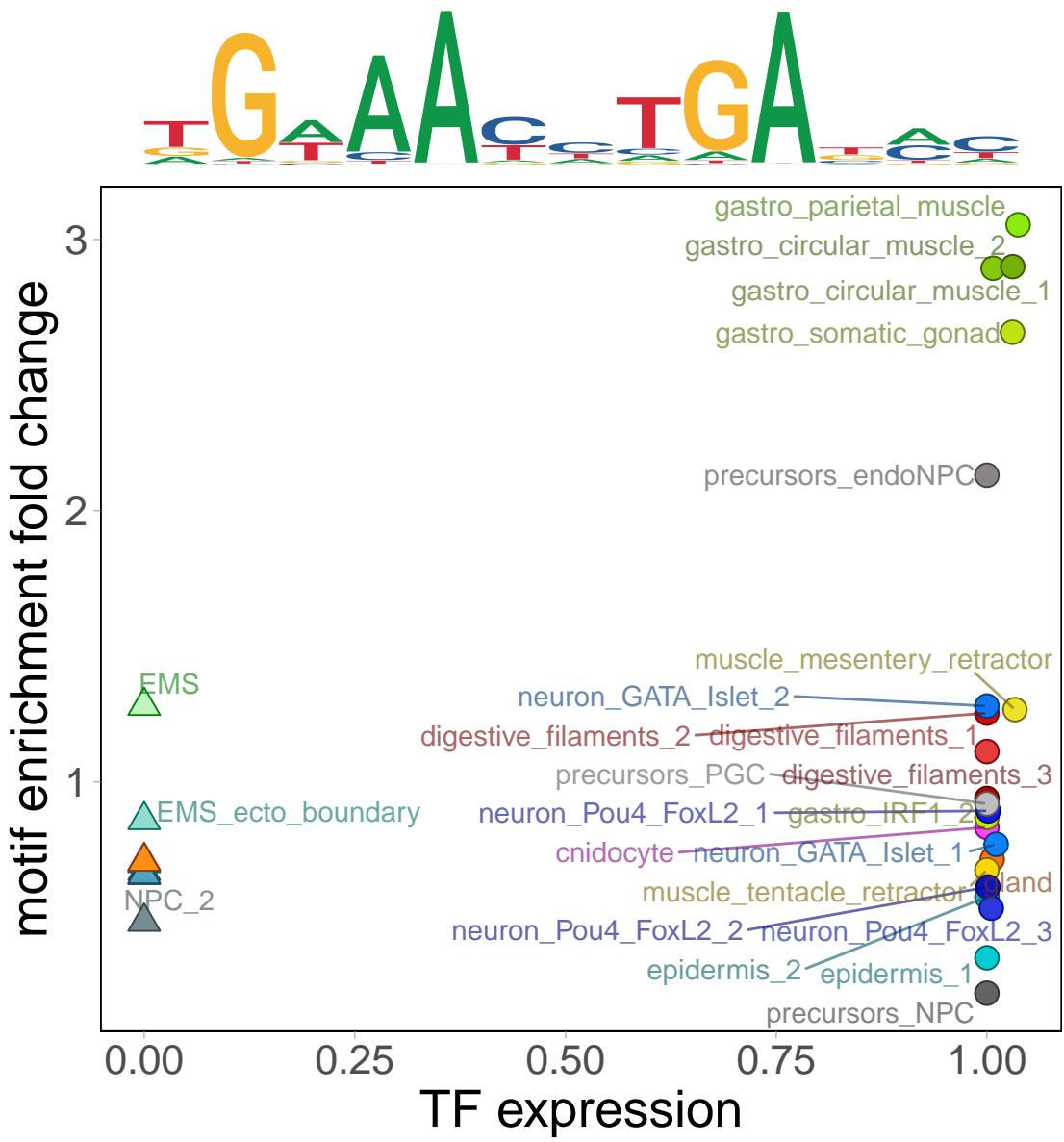
Nvec\_vc1.1\_XM\_001625768.3  
OG: Homeodomains.HG1.5:like:AC0040  
PFAM: Homeodomain  
motif: ARCH273\_HOXD3  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 53  
gene expression correlation: -0.3846  
gene score correlation: -0.3790



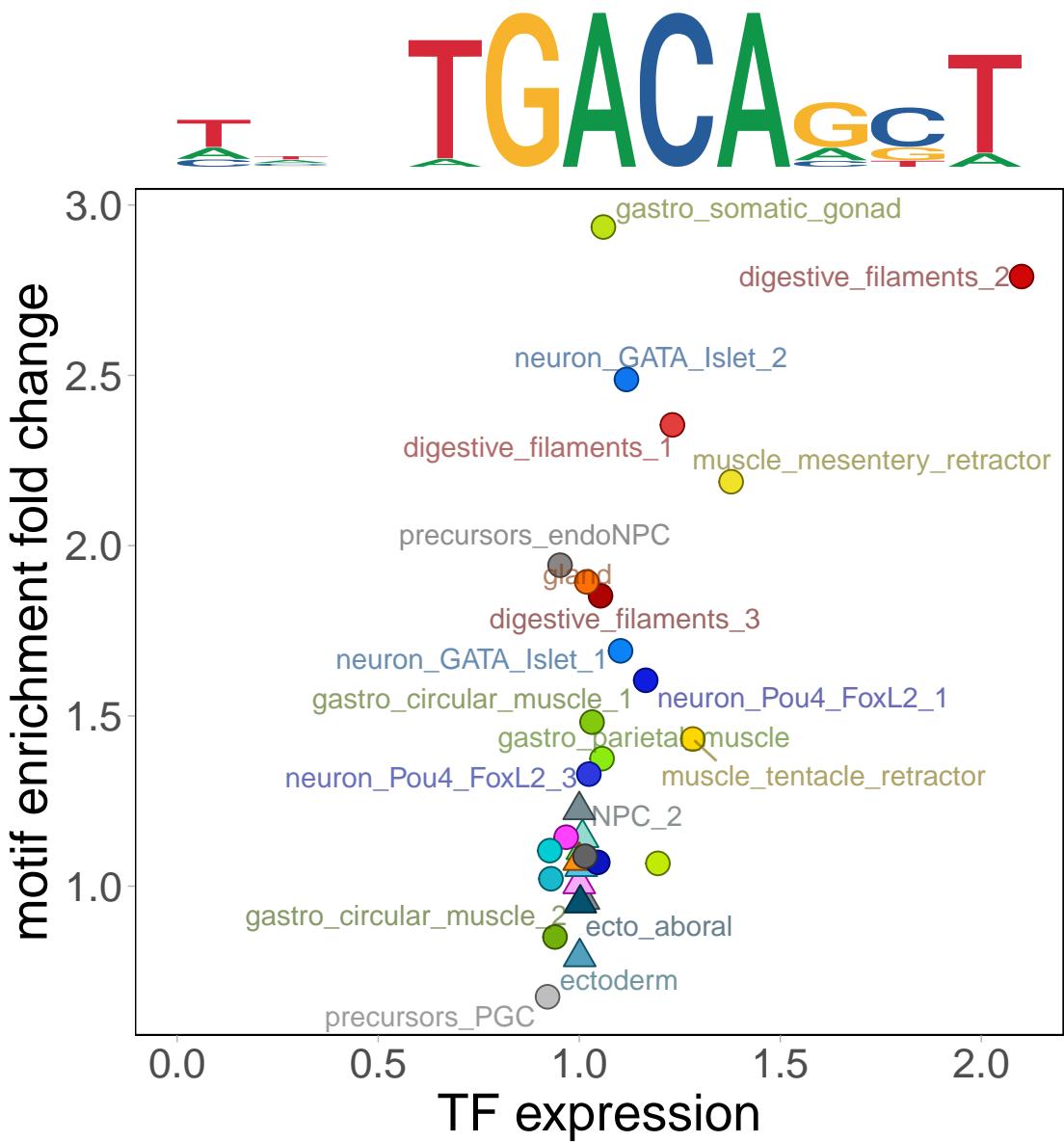
Nvec\_vc1.1\_XM\_001625898.3  
OG: Homeodomains.HG1.62:like:MEOX  
PFAM: Homeodomain  
motif: ARCH1362\_Six1/\_Six4/Six5  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 2  
gene expression correlation: 0.3240  
gene score correlation: 0.7502



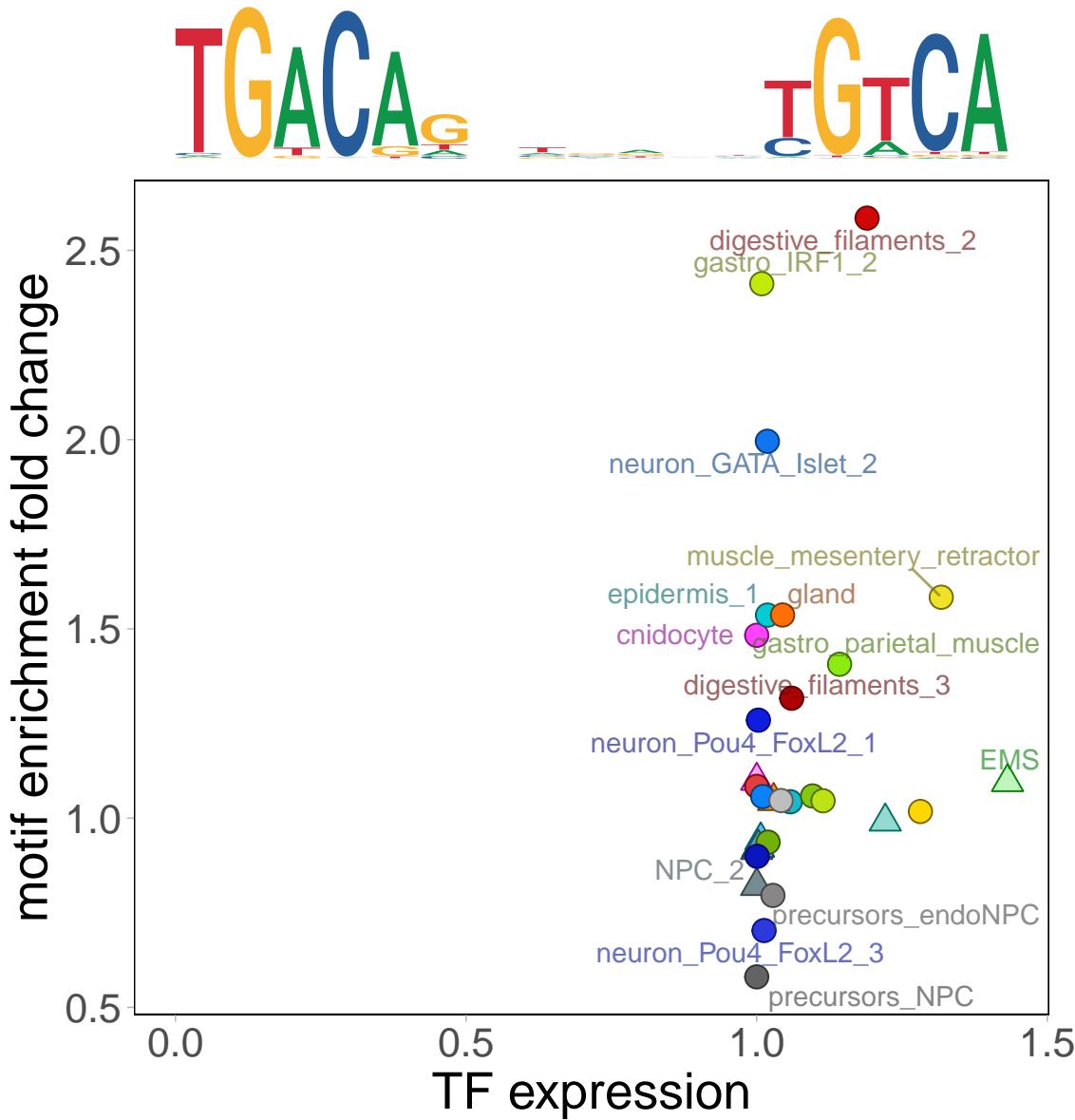
Nvec\_vc1.1\_XM\_001625899.3  
OG: Homeodomains.HG1.65:like:MEOX  
PFAM: Homeodomain  
motif: ARCH1362\_Six1/\_Six4/Six5  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 2  
gene expression correlation: 0.3110  
gene score correlation: 0.8121



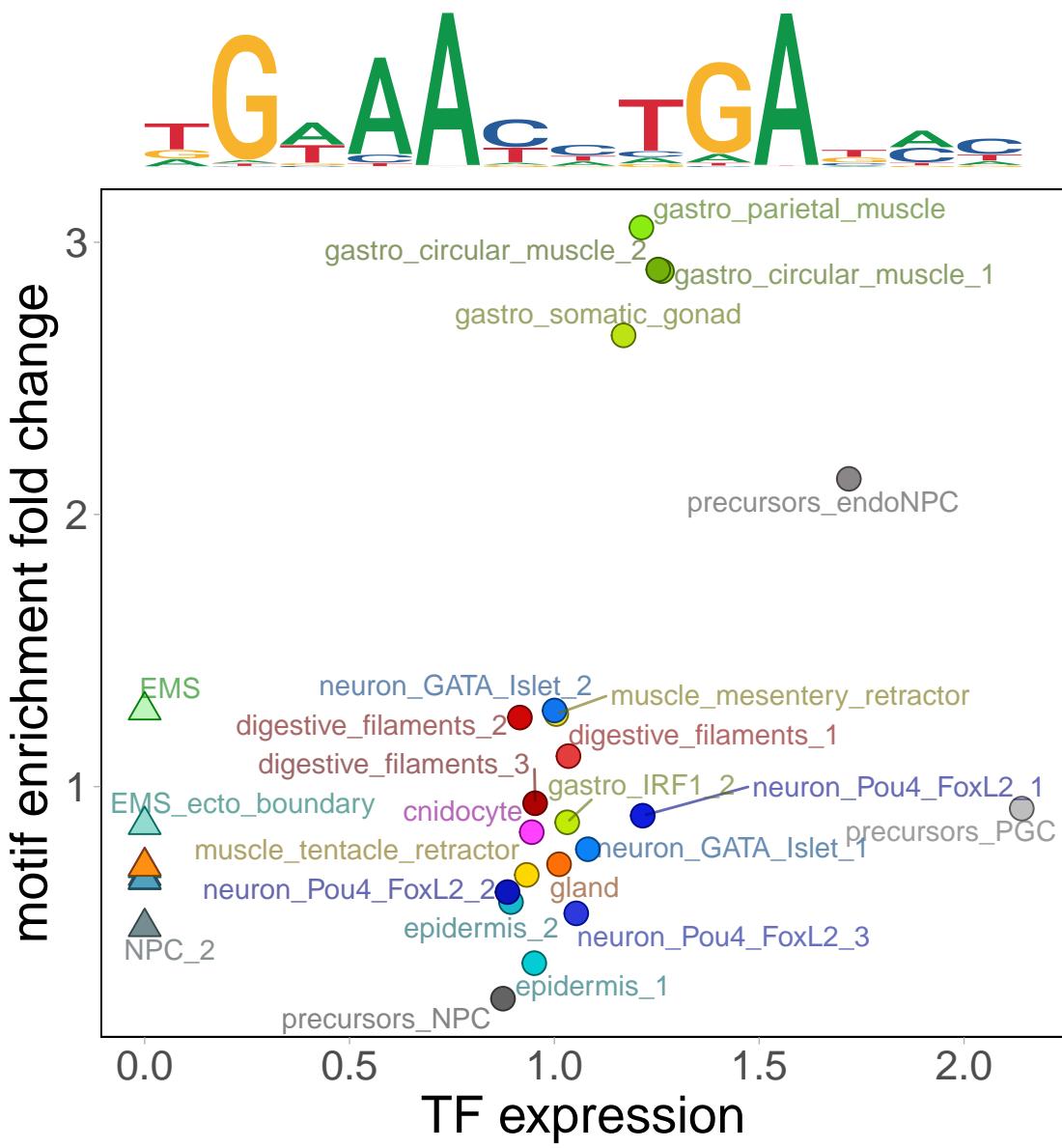
Nvec\_vc1.1\_XM\_001625997.3  
OG: Homeodomains.HG1.19:NKX2-1/N  
PFAM: Homeodomain  
motif: ARCH1504\_Meis3/Meis2/Meis1\_  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 170  
gene expression correlation: 0.5937  
gene score correlation: 0.5179



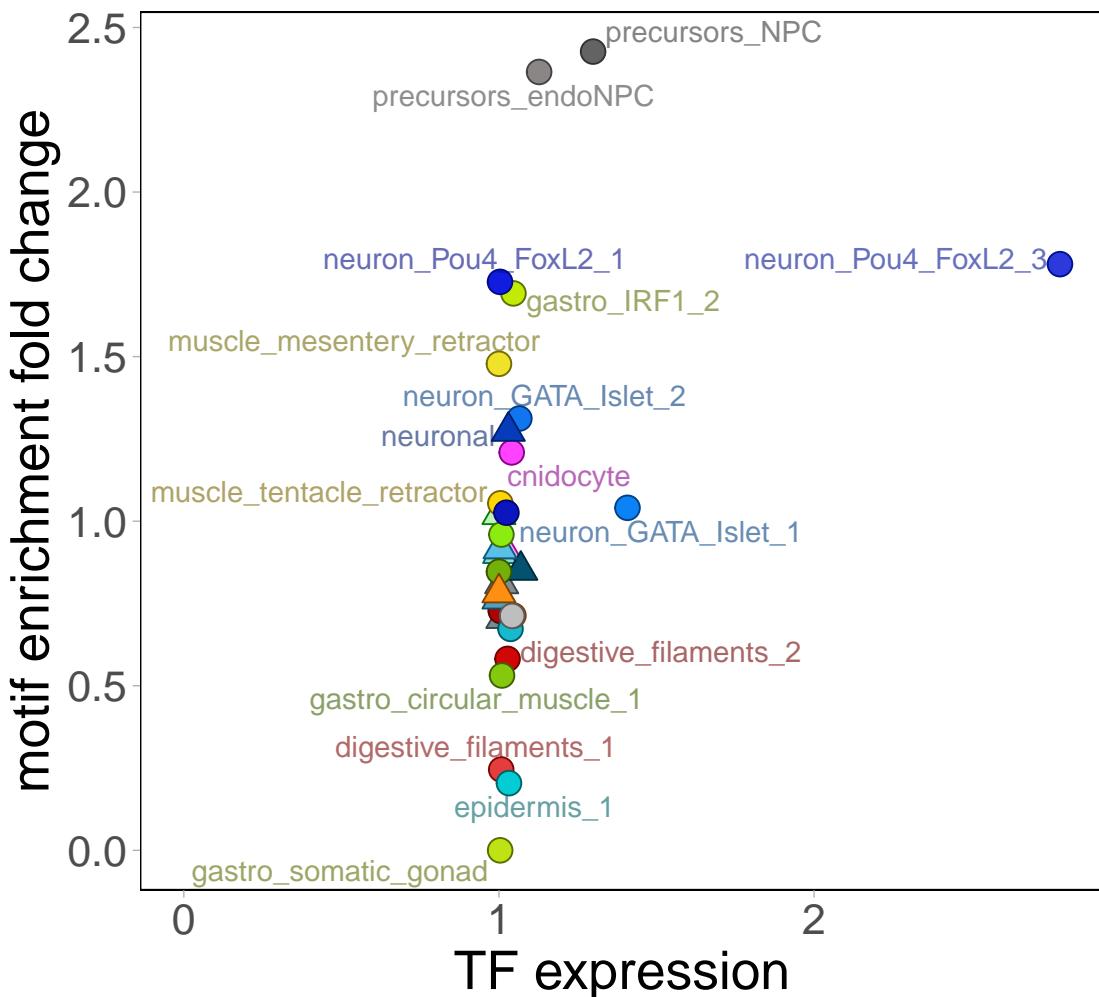
Nvec\_vc1.1\_XM\_001625998.3  
OG: Homeodomains.HG1.19:NKX2-1/P  
PFAM: Homeodomain  
motif: ARCH768\_Meis3/Meis2/Meis1\_P  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 13  
gene expression correlation: 0.1687  
gene score correlation: 0.2907



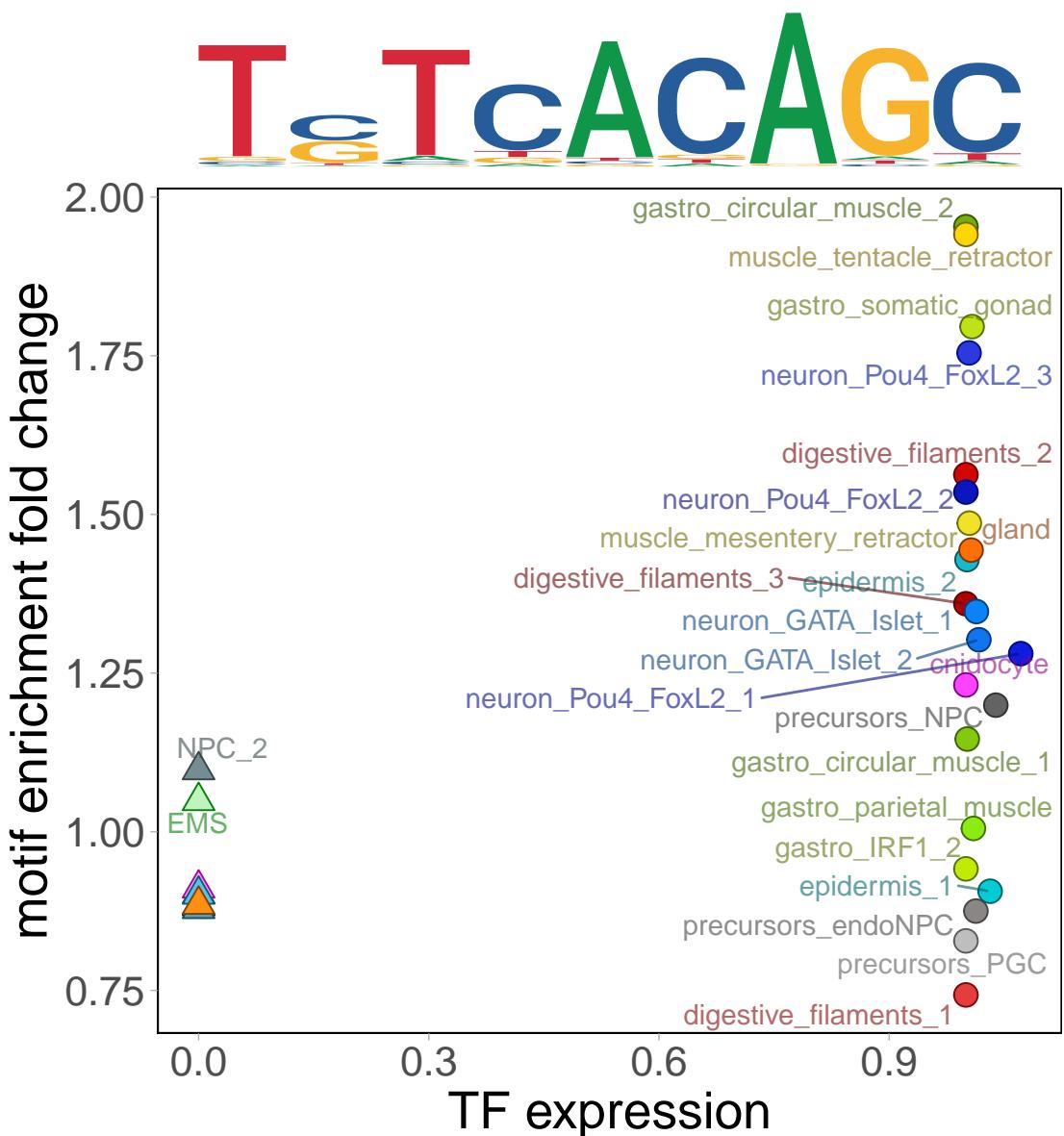
Nvec\_vc1.1\_XM\_001626384.3  
OG: Homeodomains.HG3.31:SIX1/SIX2  
PFAM: SIX1\_SD/Homeodomain  
motif: ARCH1362\_Six1/\_Six4/Six5  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: TRUE  
rank: 1  
gene expression correlation: 0.4129  
gene score correlation: 0.8506



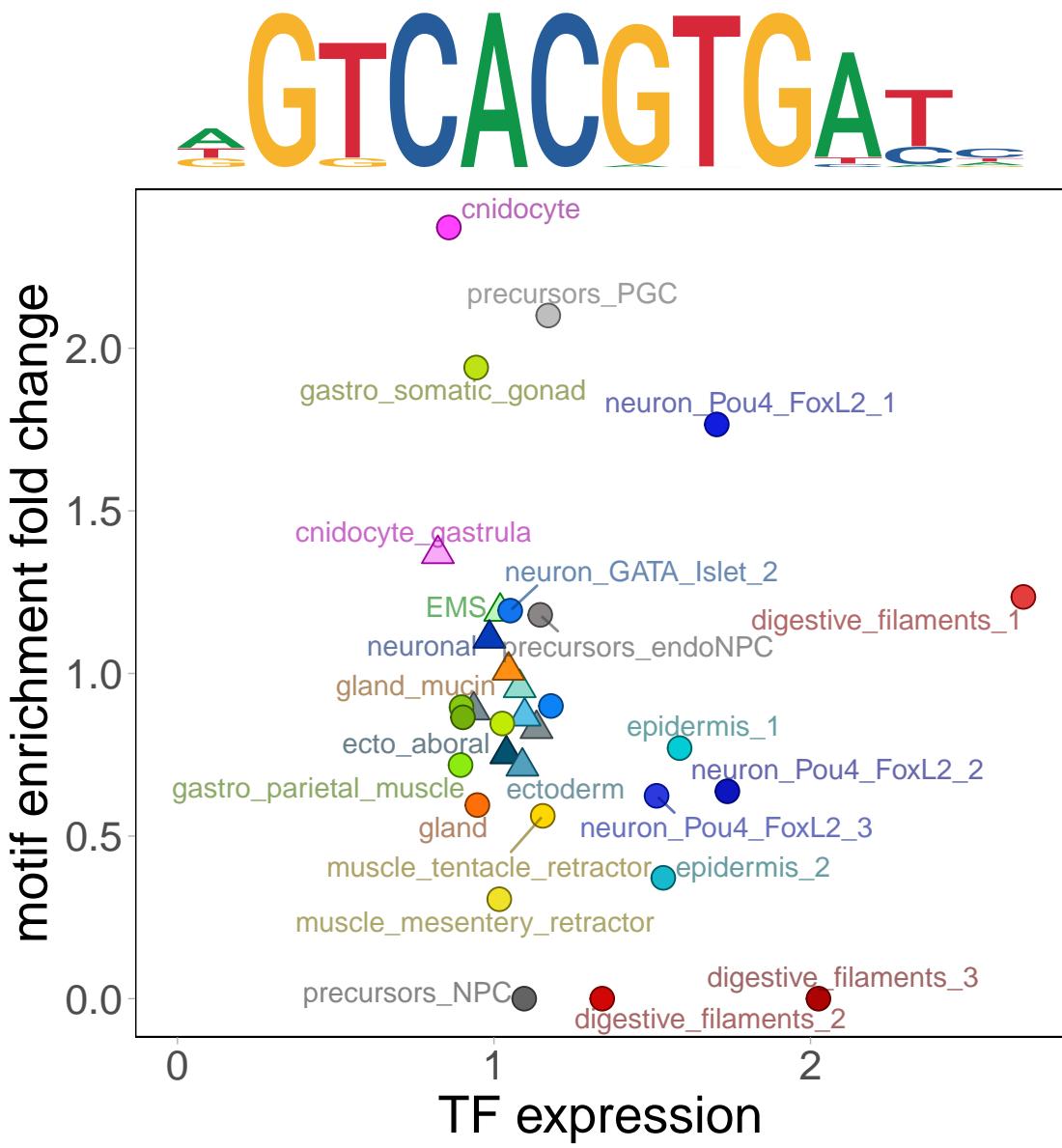
Nvec\_vc1.1\_XM\_001626717.3  
OG: T-box.HG1.4:like:EOMES/TBR1/TI  
PFAM: T-box  
motif: Nvec\_vc1.1\_XM\_001626717.3\_T  
TF family: T-box  
archetype family: T-box  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.3616  
gene score correlation: 0.4764



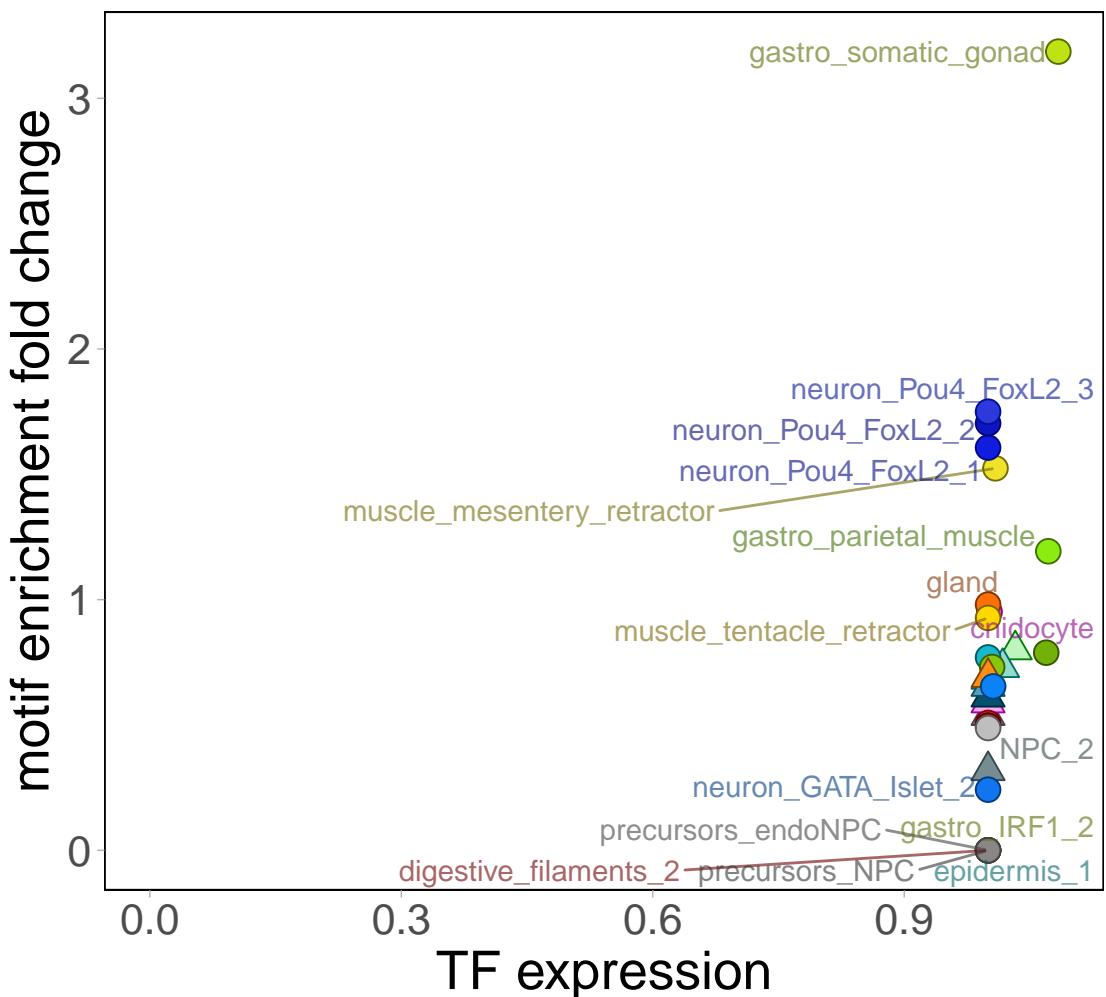
Nvec\_vc1.1\_XM\_001626820.3  
OG: T-box.HG1.2:like:MGA/TBX1/TBX2  
PFAM: T-box  
motif: ARCH755\_Hth\_\_TBX15  
TF family: T-box  
archetype family: T-box  
CisBP assigned: FALSE  
rank: 1028  
gene expression correlation: 0.5115  
gene score correlation: -0.0028



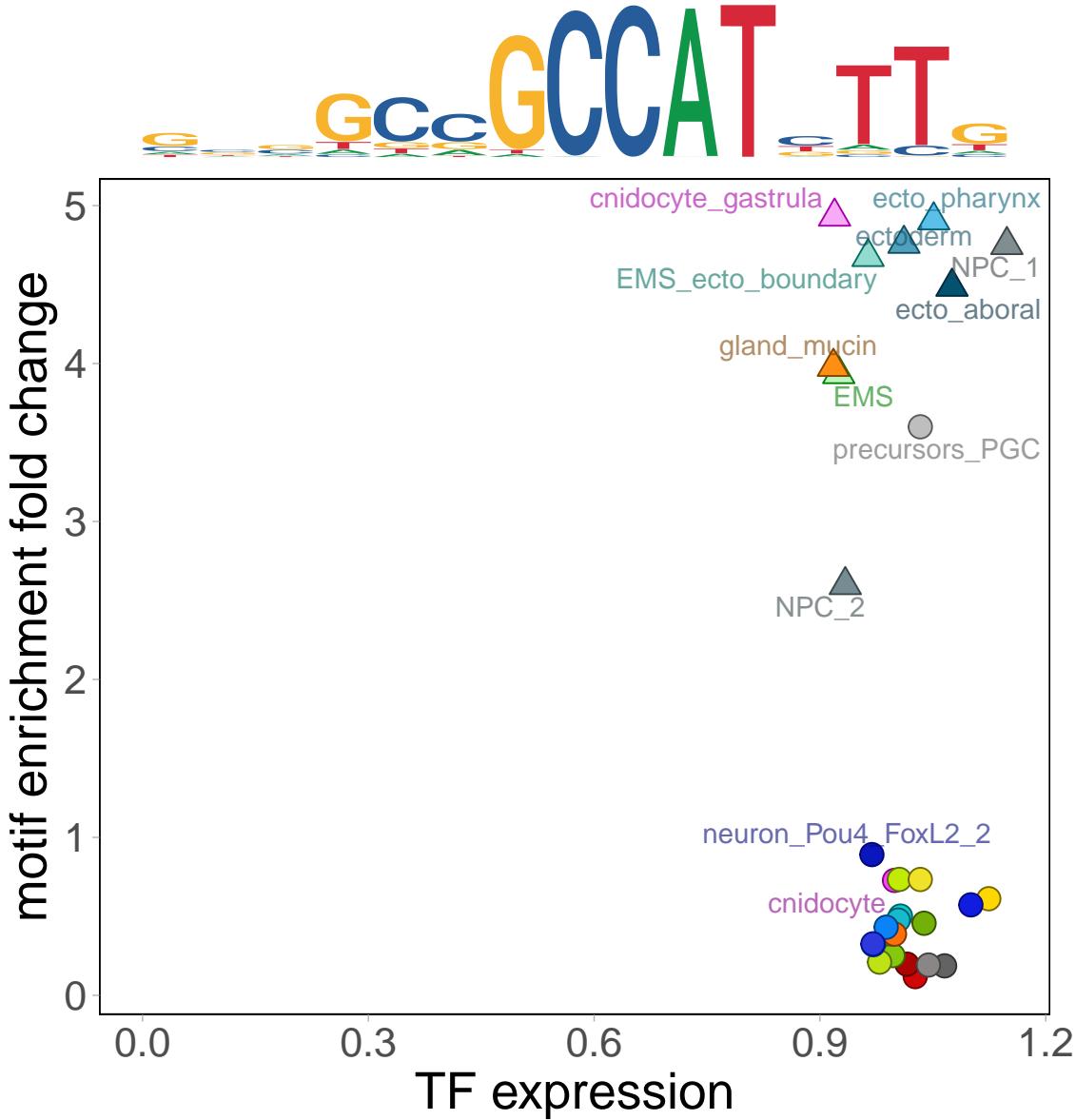
Nvec\_vc1.1\_XM\_001627049.3  
OG: HLH.HG1.19:HELT  
PFAM: HLH/Hairy\_orange  
motif: Nvec\_vc1.1\_XM\_001627049.3\_H  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.1675  
gene score correlation: 0.0649



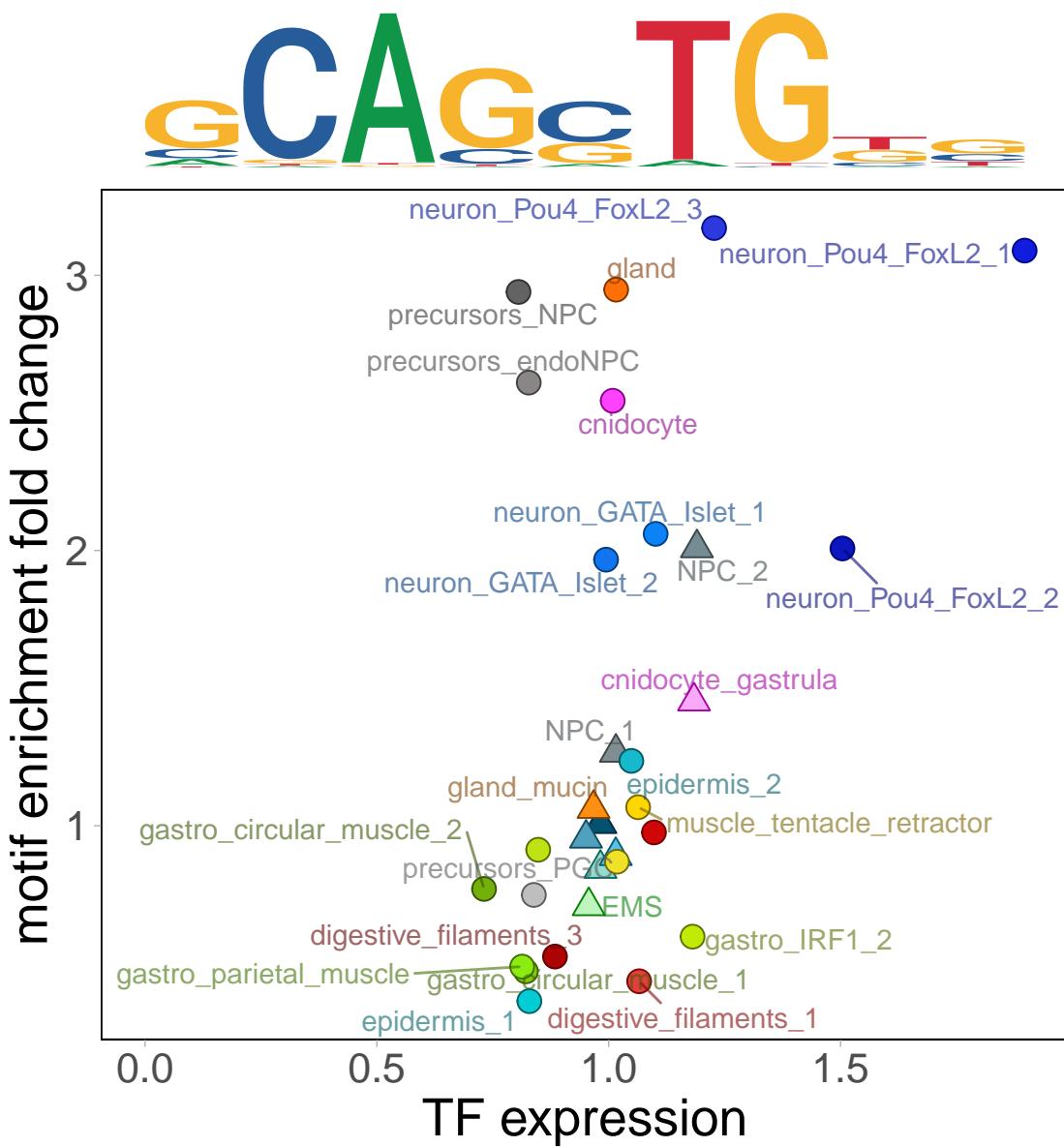
Nvec\_vc1.1\_XM\_001627072.3  
OG: Forkhead.HG1.17:like:FOXI1/FOXI2  
PFAM: Forkhead  
motif: ARCH964\_Foxc2/Foxc1\_Foxg1/G  
TF family: Forkhead  
archetype family: Forkhead  
CisBP assigned: FALSE  
rank: 359  
gene expression correlation: 0.5270  
gene score correlation: 0.0483



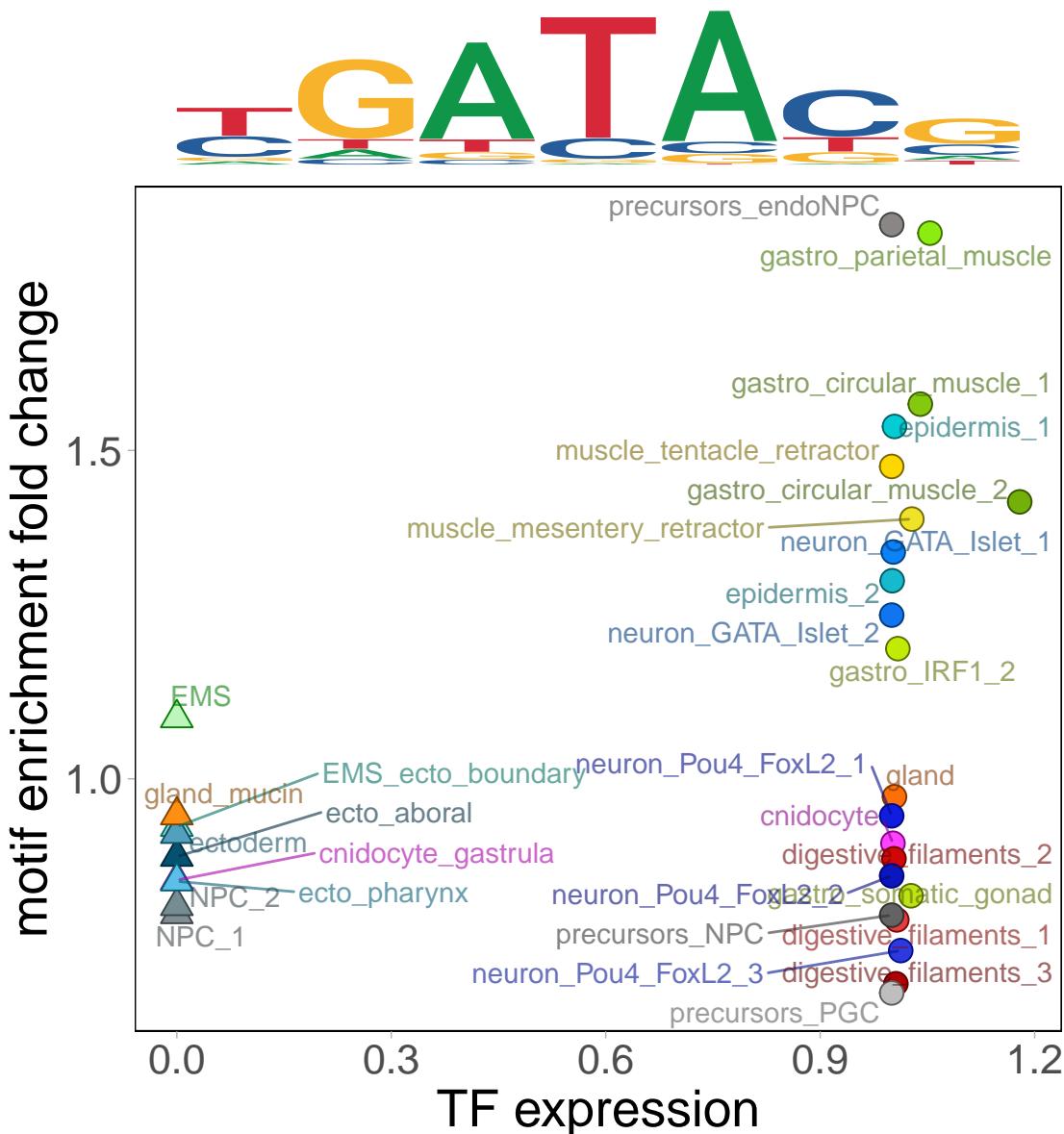
Nvec\_vc1.1\_XM\_001627361.3  
OG: zf-C2H2.HG74.0:NA  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH419\_Yy1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 2  
gene expression correlation: -0.0803  
gene score correlation: 0.0508



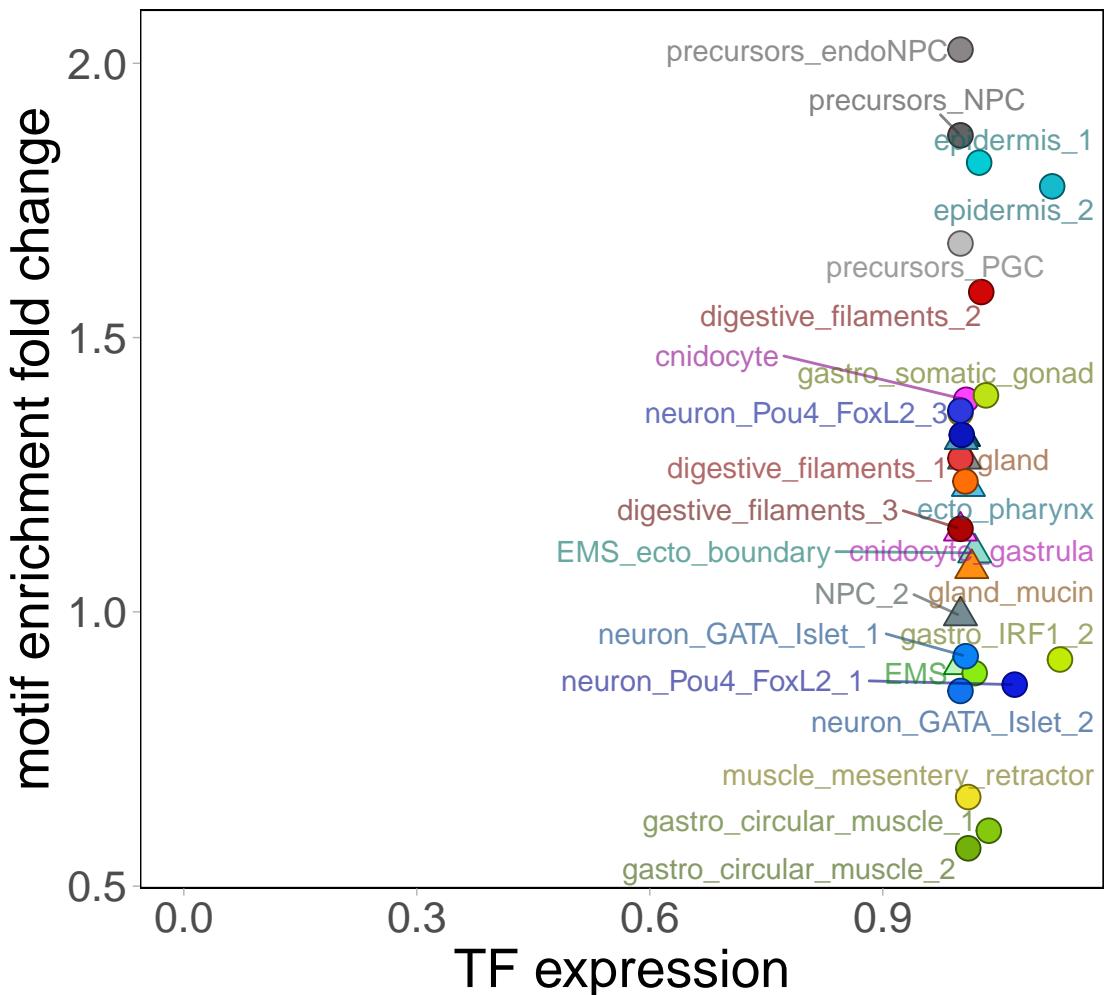
Nvec\_vc1.1\_XM\_001627423.3  
OG: HMGbox\_Sox.HG1.10:BBX  
PFAM: HMG\_box  
motif: ARCH482\_/Lef1/Tcf7l1/Tcf7  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: FALSE  
rank: 18  
gene expression correlation: 0.4521  
gene score correlation: 0.4238



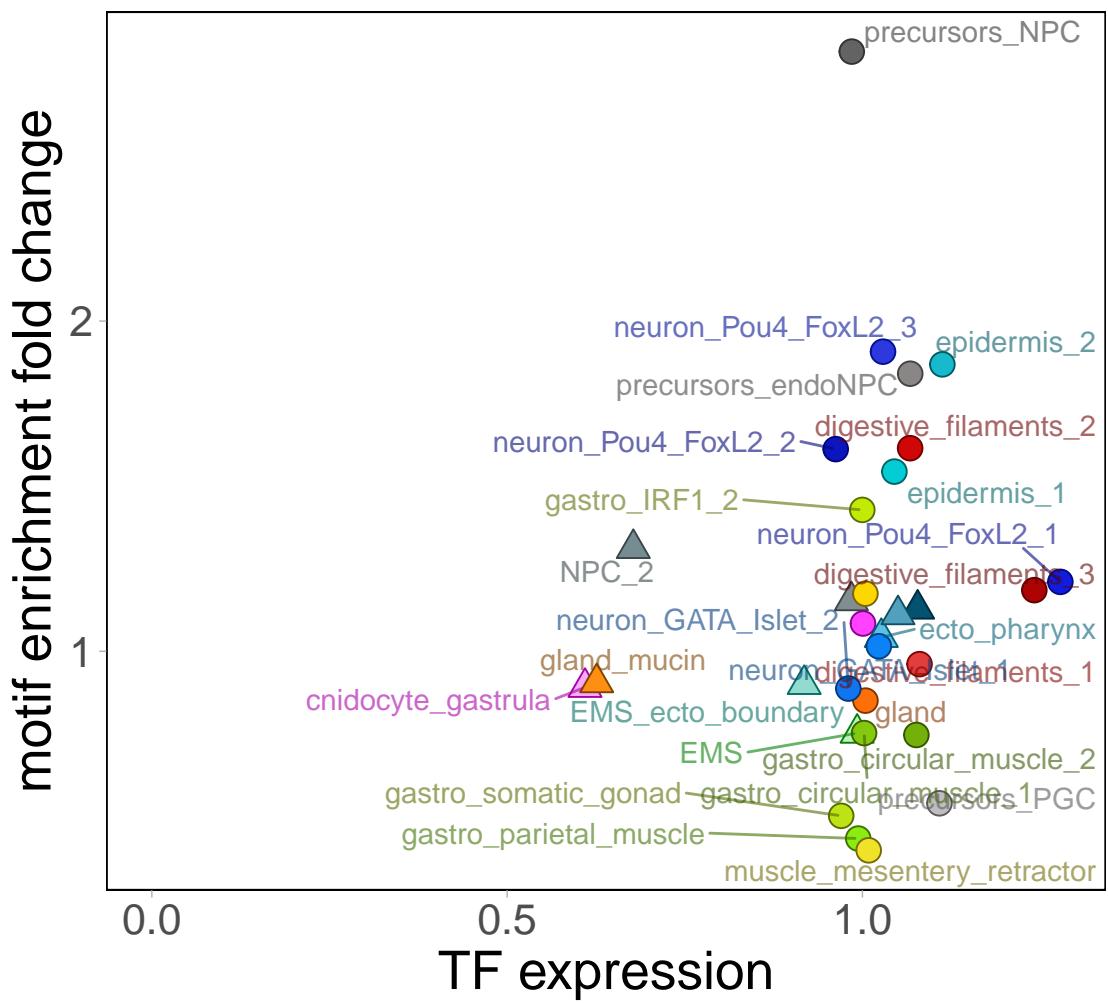
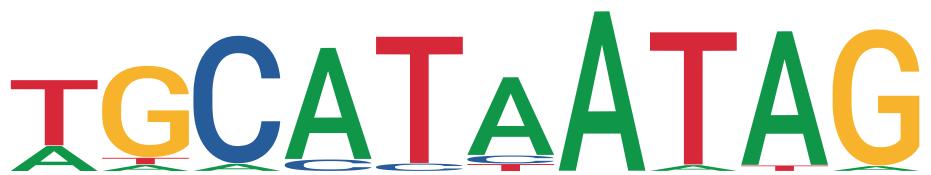
Nvec\_vc1.1\_XM\_001627544.3  
OG: Homeodomains.HG2.58:UNCX  
PFAM: Homeodomain  
motif: ARCH637\_Six1/\_Six3/Six6\_Six...  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 2  
gene expression correlation: 0.3670  
gene score correlation: 0.5546



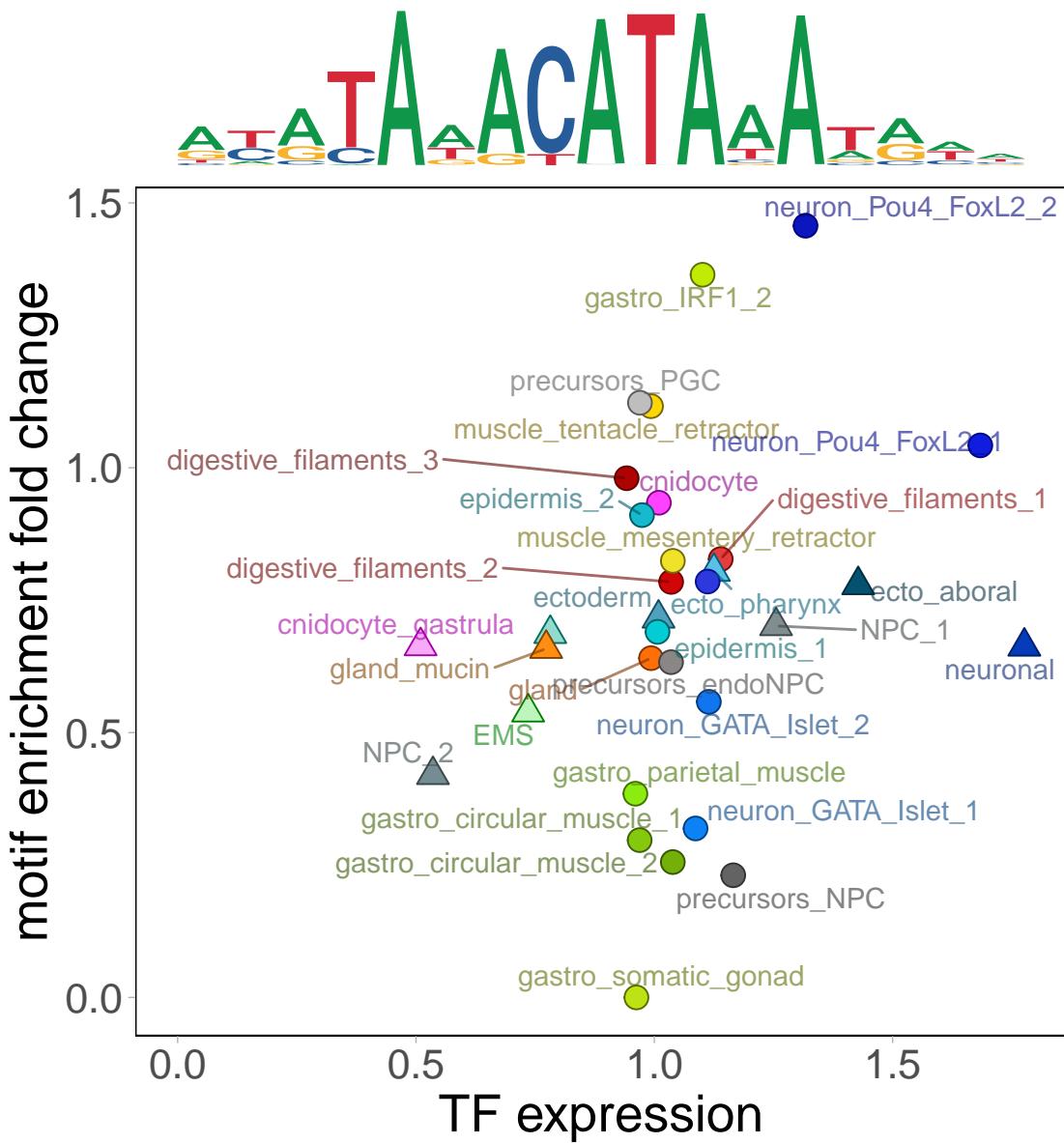
Nvec\_vc1.1\_XM\_001627629.3  
OG: Forkhead.HG1.30:like:FOXO1/FOX  
PFAM: Forkhead  
motif: ARCH829\_PB0121.1\_Foxj3\_2  
TF family: Forkhead  
archetype family: Forkhead  
CisBP assigned: FALSE  
rank: 15  
gene expression correlation: -0.0402  
gene score correlation: 0.5730



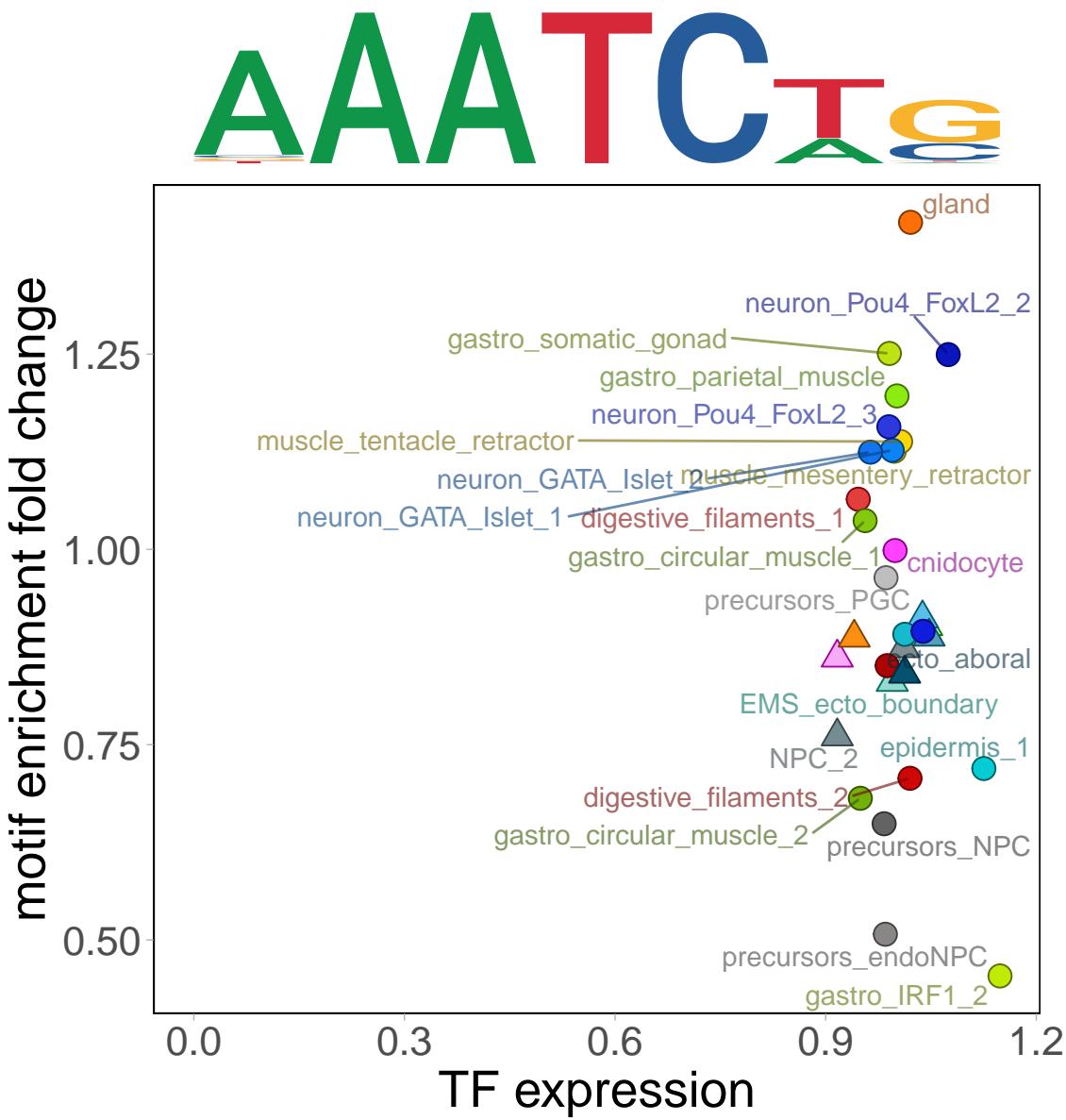
Nvec\_vc1.1\_XM\_001627662.3  
OG: E2F\_TDP.HG1.3:E2F4/E2F5  
PFAM: E2F\_TDP/E2F\_CC-MB  
motif: ARCH1058\_Pdp1  
TF family: E2F\_TDP  
archetype family: E2F\_TDP  
CisBP assigned: FALSE  
rank: 27  
gene expression correlation: 0.1125  
gene score correlation: 0.1679



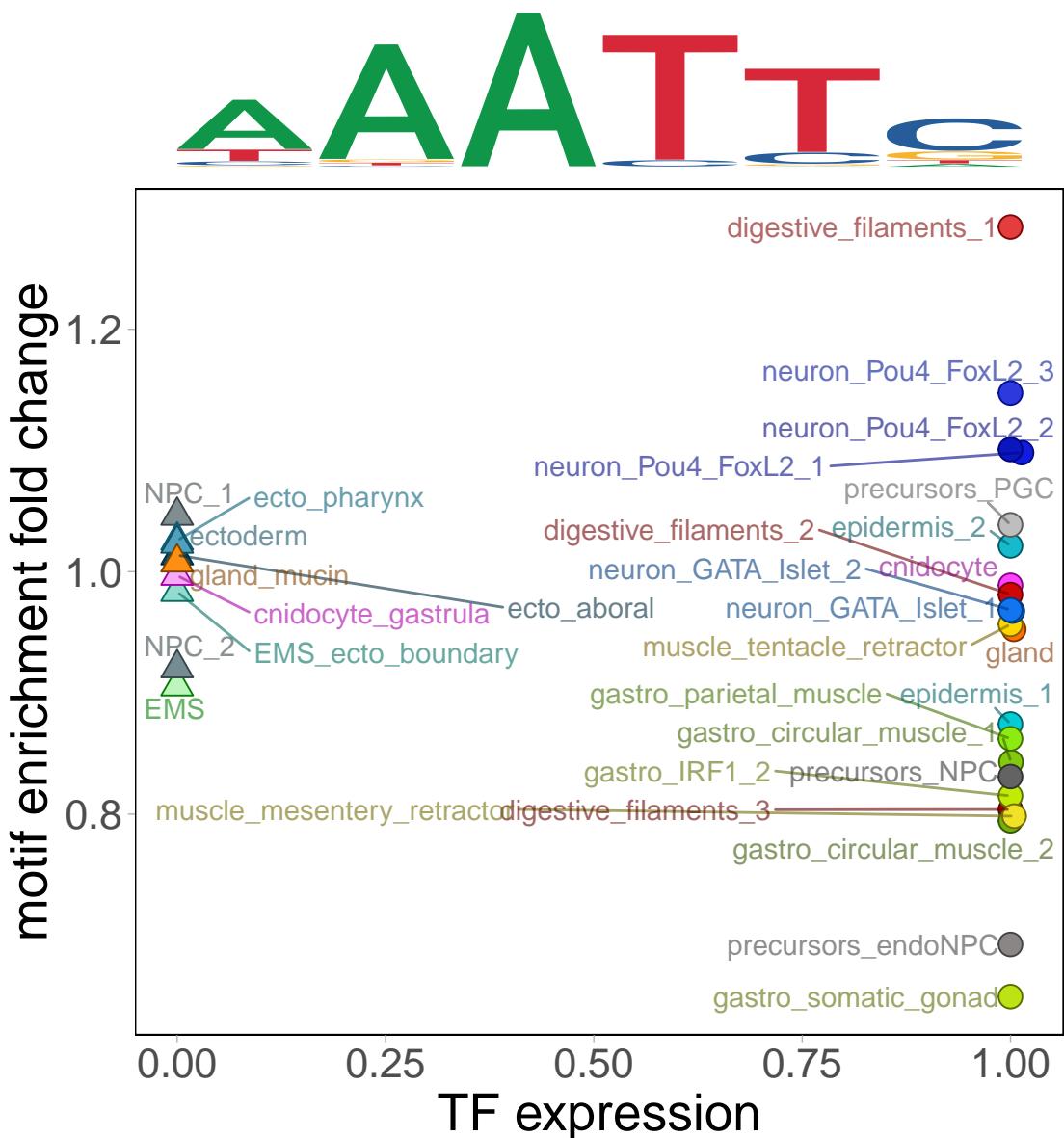
Nvec\_vc1.1\_XM\_001627792.3  
OG: Forkhead.HG1.12:FOXN1/FOXN4/  
PFAM: Forkhead  
motif: M04857\_2.00  
TF family: Forkhead  
archetype family: Forkhead  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.2521  
gene score correlation: 0.1878



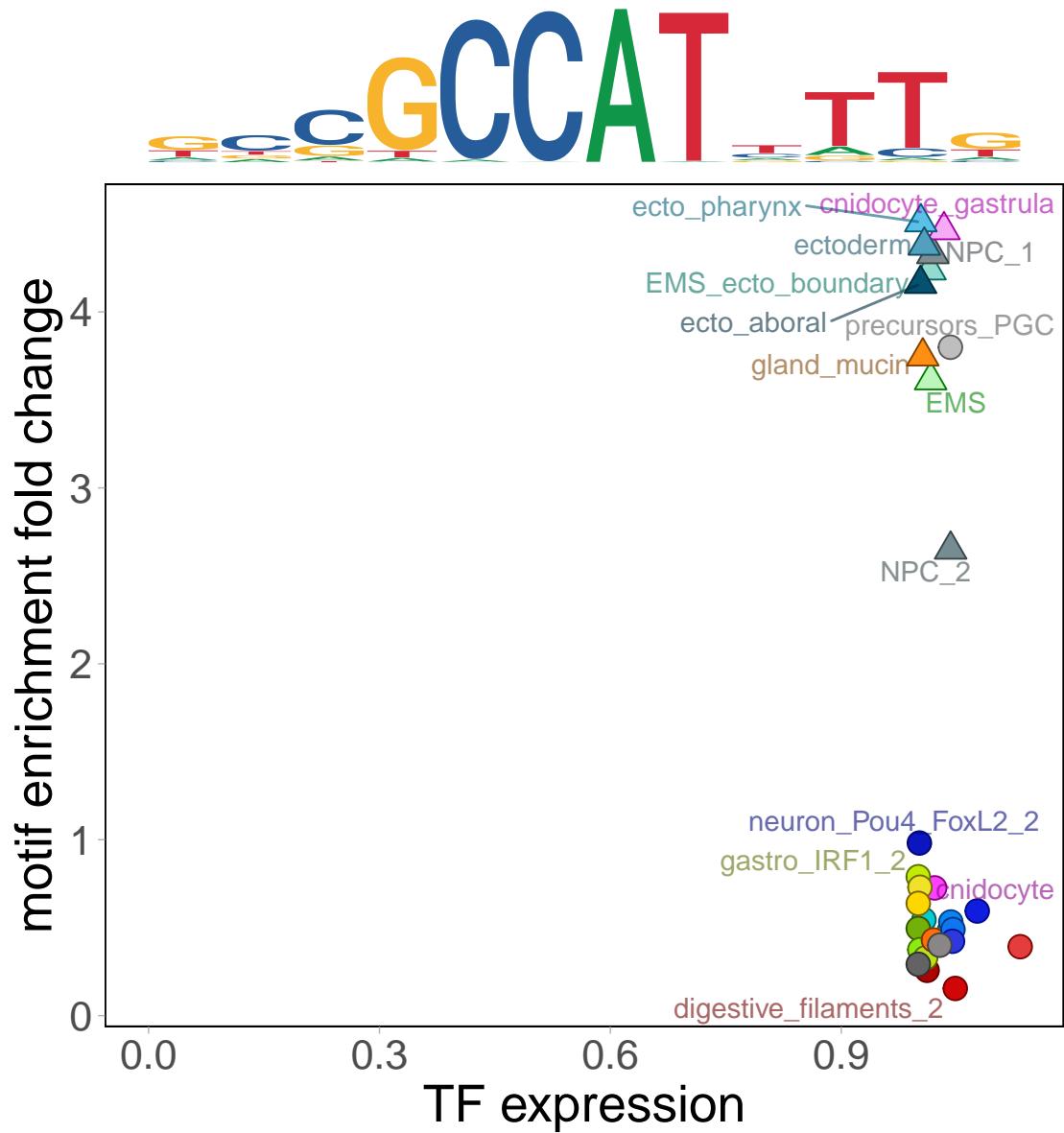
Nvec\_vc1.1\_XM\_001627907.3  
OG: zf-C2H2.HG1.8:ZNF18/ZNF513/Z  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: ARCH1201\_Gfi1b/Gfi1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 50  
gene expression correlation: -0.1538  
gene score correlation: 0.2079



Nvec\_vc1.1\_XM\_001628041.3  
OG: HMGbox\_Sox.HG1.24:HMGB1/HM  
PFAM: HMG\_box\_2/HMG\_box  
motif: ARCH76\_CES-1\_PB0171.1\_Sc  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: FALSE  
rank: 63  
gene expression correlation: -0.2110  
gene score correlation: 0.3501



Nvec\_vc1.1\_XM\_001628045.2  
OG: zf-C2H2.HG2.4:MTF1/ZNF76/ZNF  
PFAM: zf-C2H2/zf-C2H2  
motif: ARCH1256\_Yy1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 4  
gene expression correlation: -0.1602  
gene score correlation: -0.1013



Nvec\_vc1.1\_XM\_001628278.3

OG: HLH.HG1.75:like:ATOH8

PFAM: HLH

motif: ARCH144\_BHLHE23

TF family: HLH

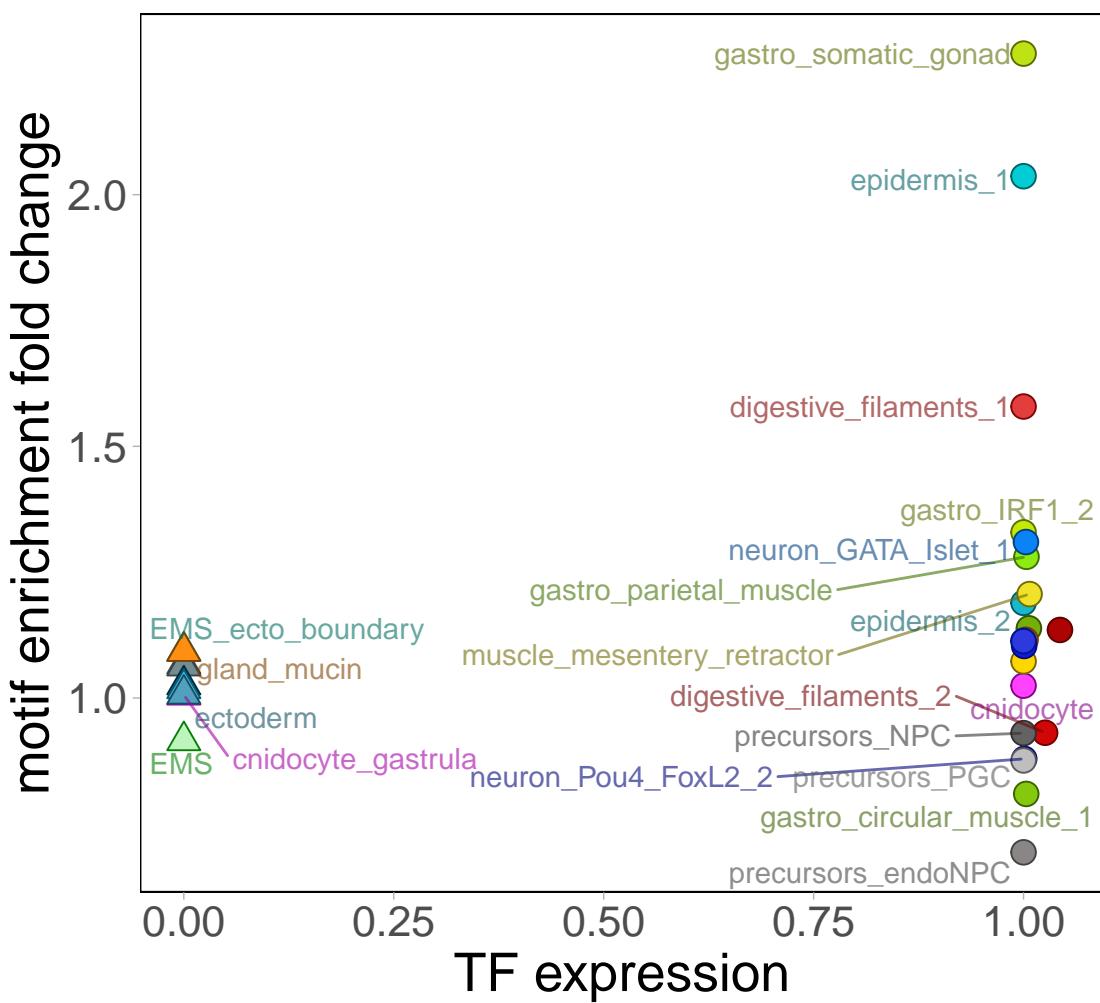
archetype family: HLH

CisBP assigned: FALSE

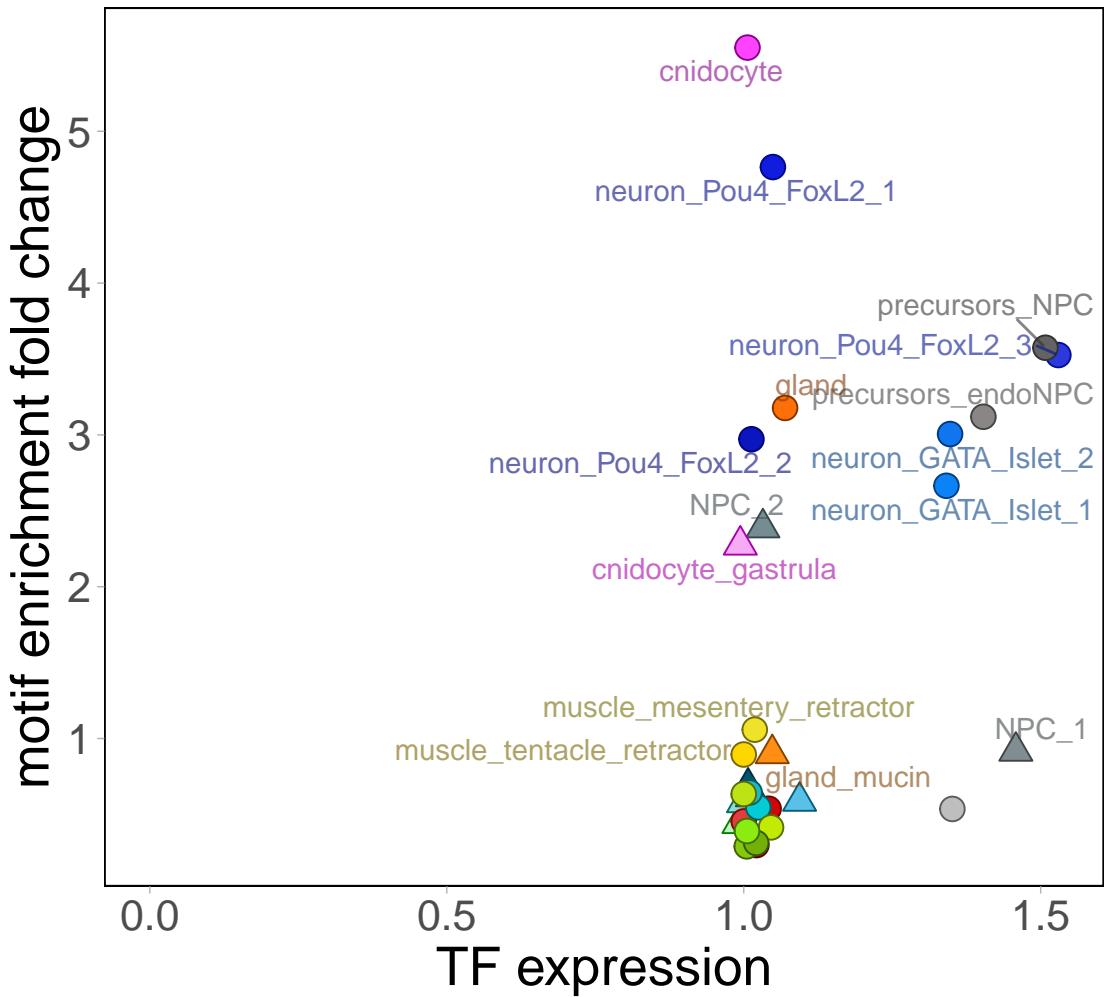
rank: 716

gene expression correlation: 0.2228

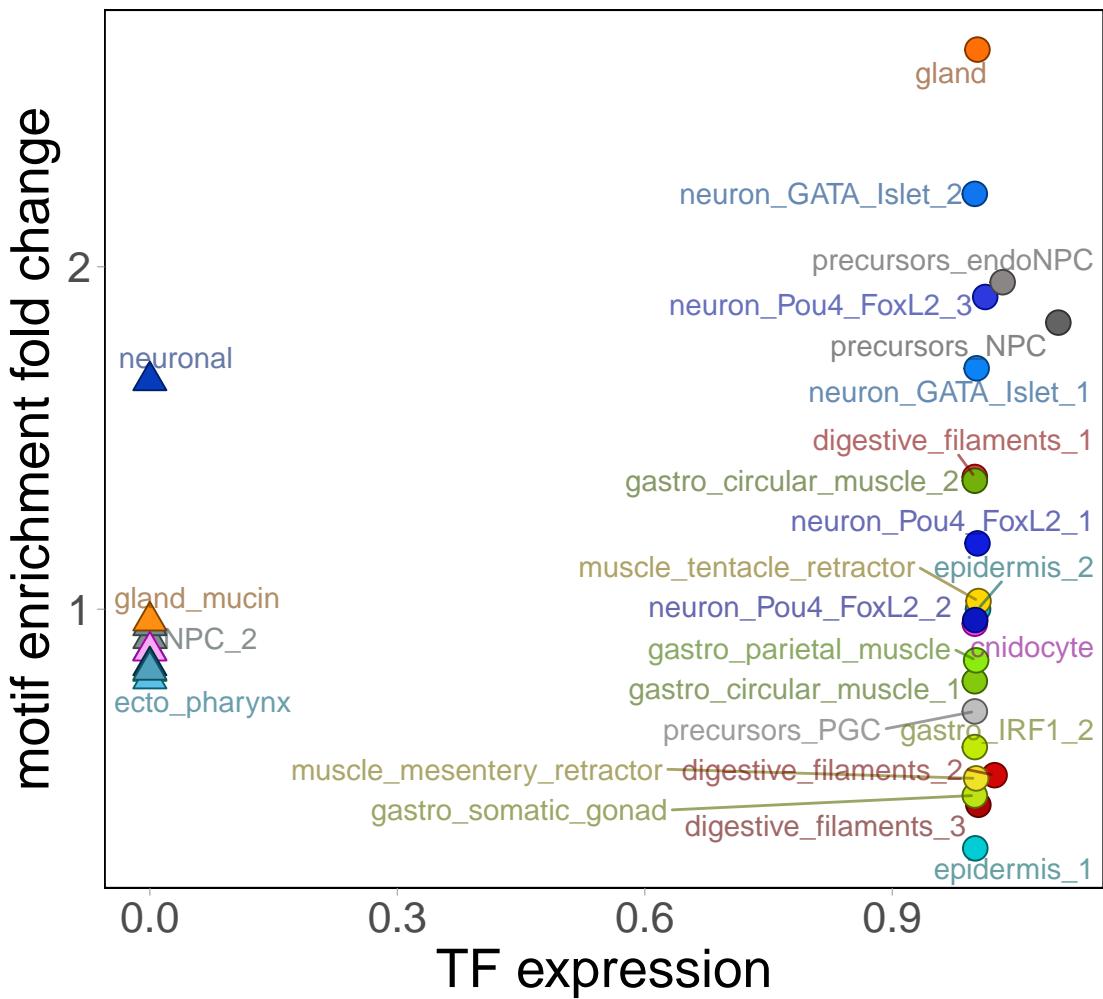
gene score correlation: 0.1125



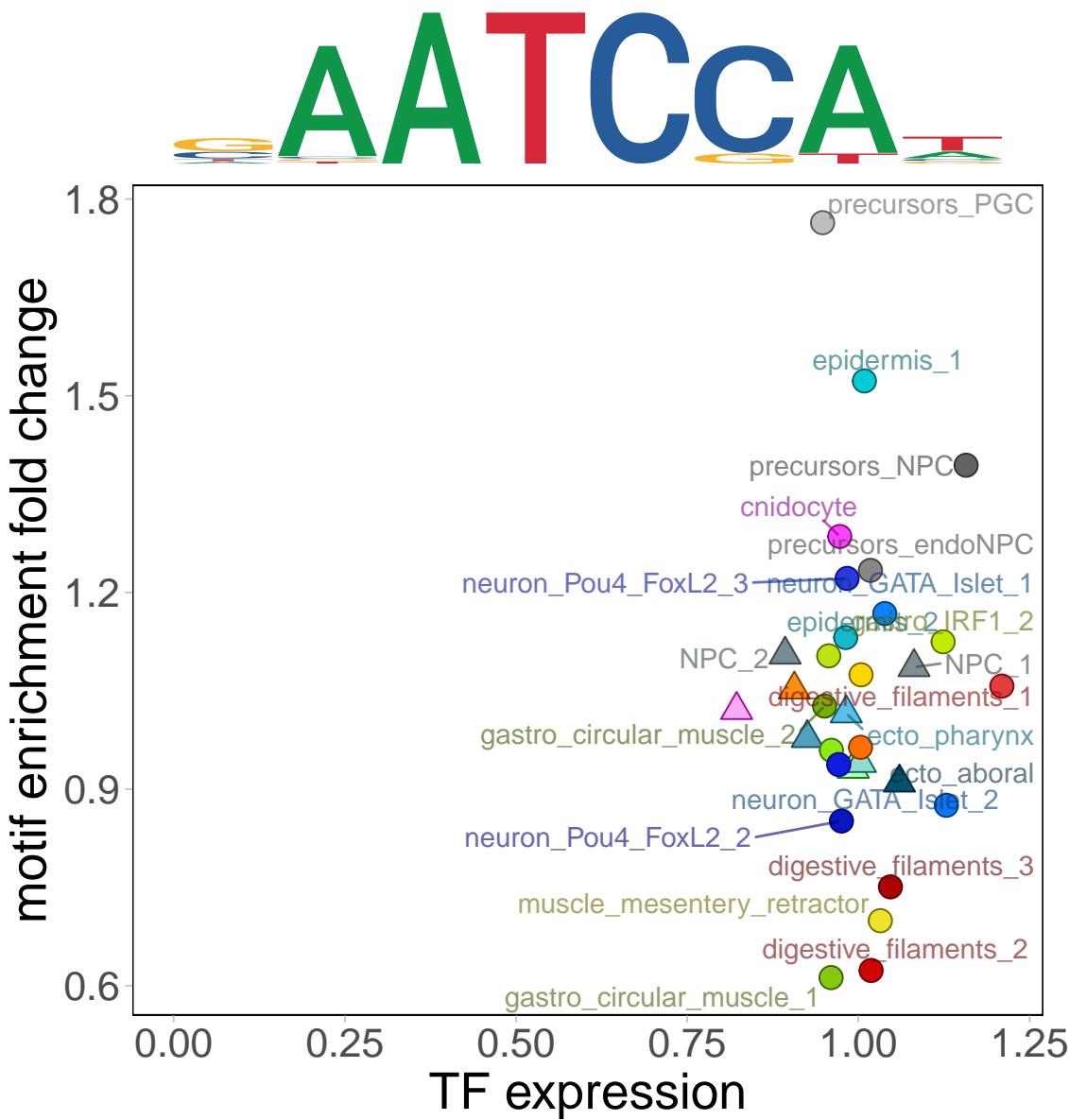
Nvec\_vc1.1\_XM\_001628279.3  
OG: HLH.HG1.76:ATOH8  
PFAM: HLH  
motif: ARCH867\_ZEB1\_\_PL0011.1\_hlh  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 10  
gene expression correlation: 0.3715  
gene score correlation: 0.7036



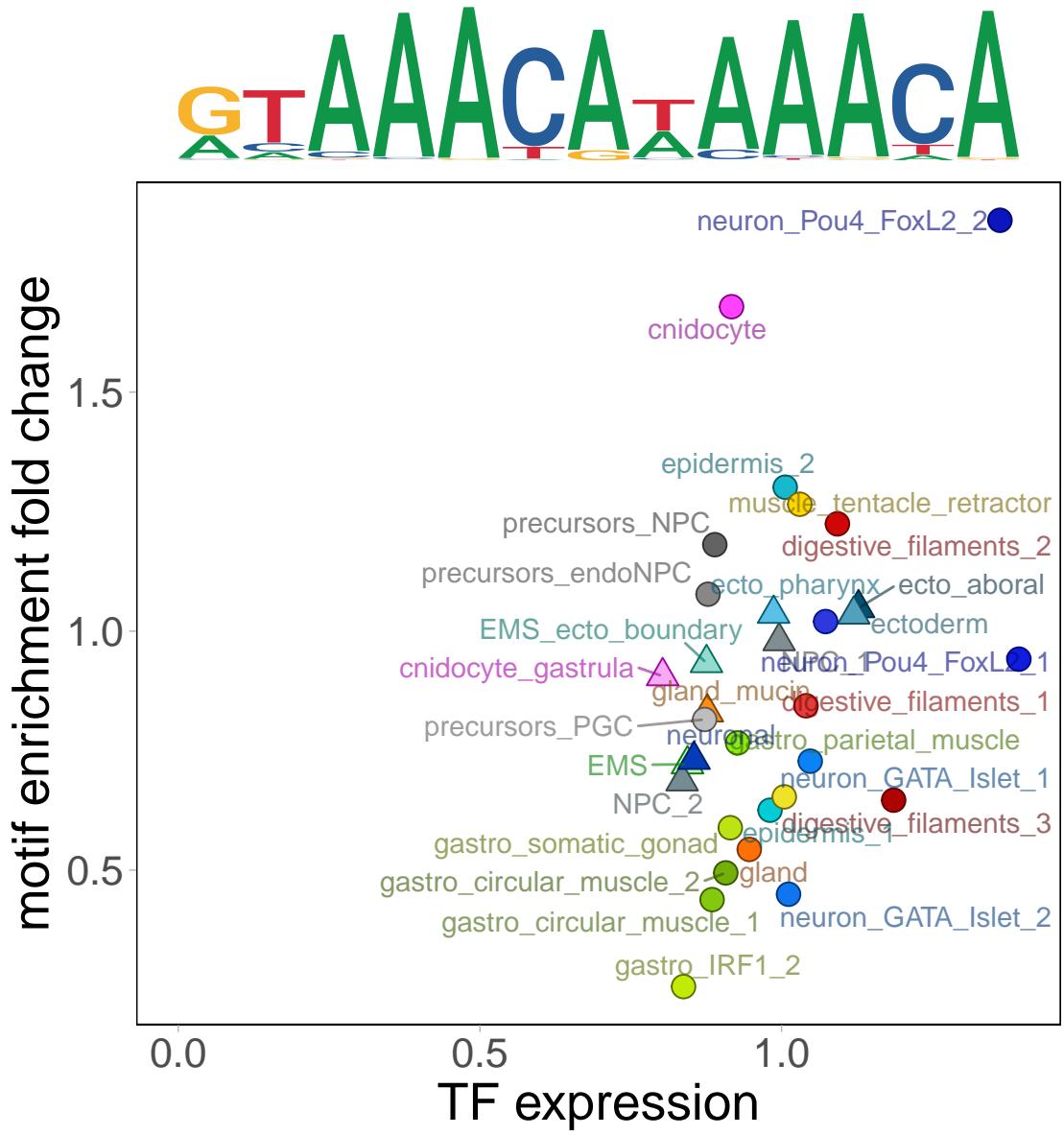
Nvec\_vc1.1\_XM\_001628300.3  
OG: HLH.HG1.84:NEUROG1/NEUROG  
PFAM: HLH  
motif: M00588\_2.00  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.1771  
gene score correlation: 0.5247



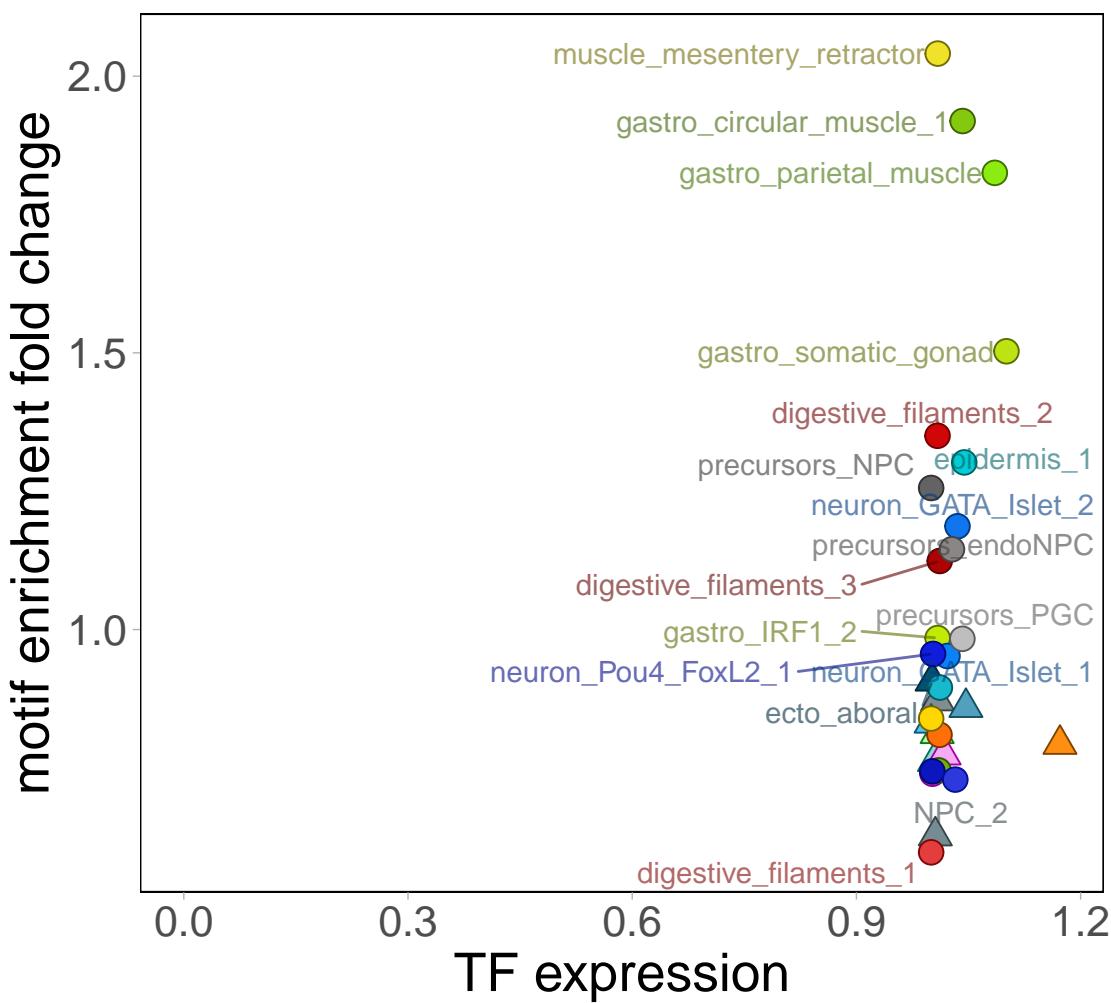
Nvec\_vc1.1\_XM\_001628318.3  
OG: Myb.HG2.2:NA  
PFAM: MADF\_DNA\_bdg  
motif: ARCH153\_Msantd2\_Rcor1/Rcor2  
TF family: Myb  
archetype family: Myb  
CisBP assigned: FALSE  
rank: 101  
gene expression correlation: 0.0029  
gene score correlation: 0.5243



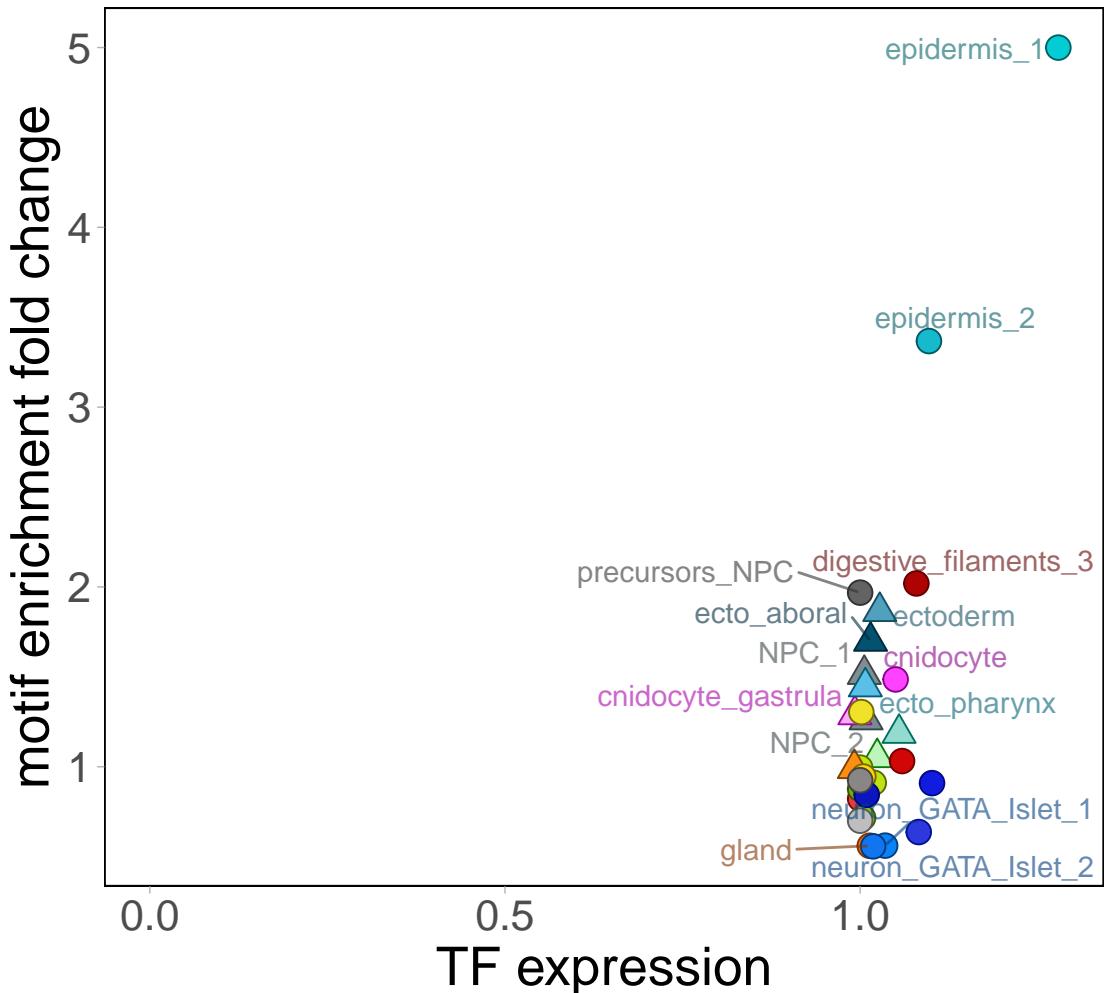
Nvec\_vc1.1\_XM\_001628319.3  
OG: Forkhead.HG1.25:FOXJ2/FOXJ3  
PFAM: Forkhead  
motif: M03058\_2.00  
TF family: Forkhead  
archetype family: Forkhead  
CisBP assigned: TRUE  
rank: 0  
gene expression correlation: 0.4082  
gene score correlation: -0.1358



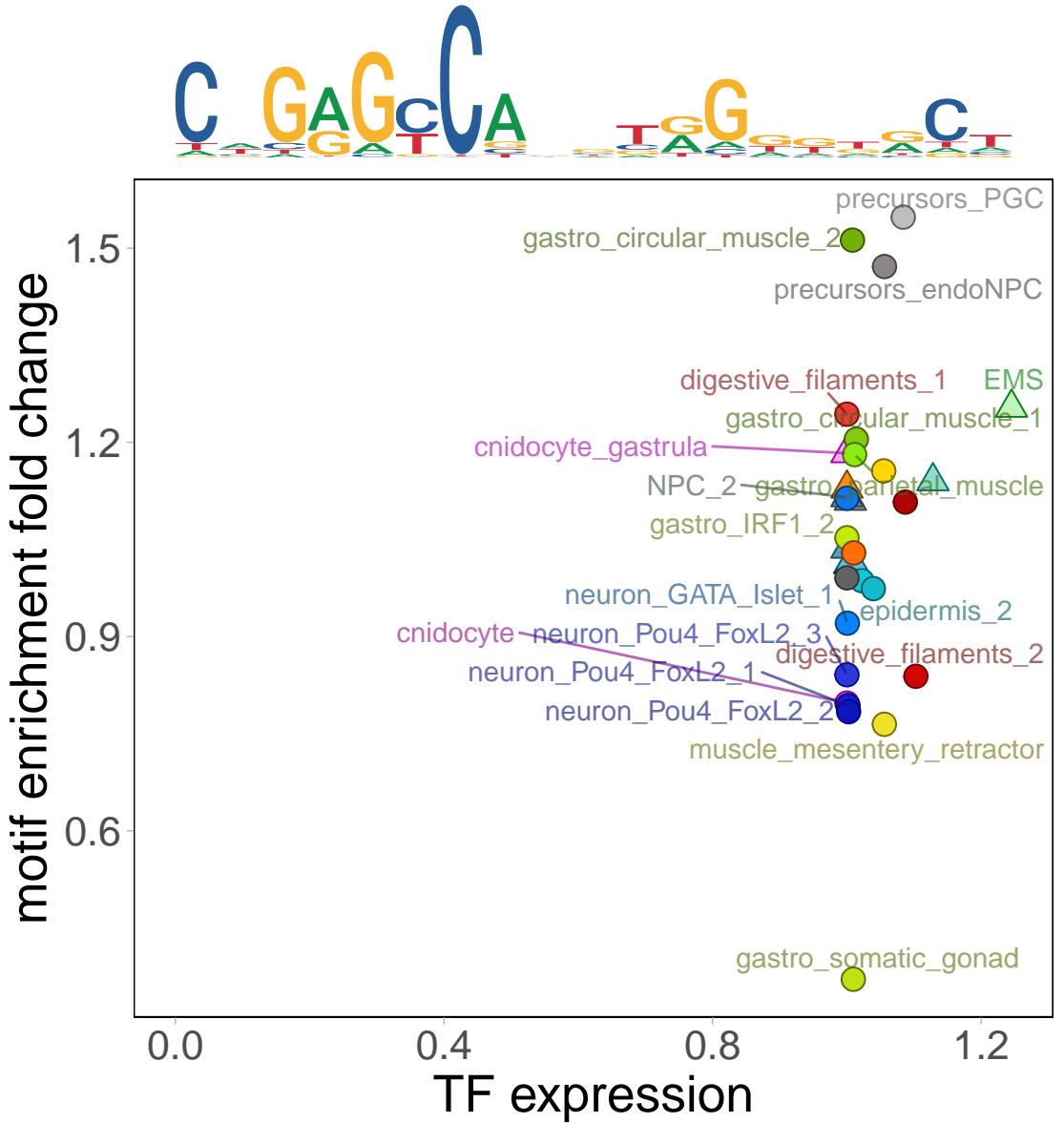
Nvec\_vc1.1\_XM\_001628481.3  
OG: Homeodomains.HG1.72:like:NOTO  
PFAM: Homeodomain  
motif: ARCH1544\_Nkx2–2/Nkx2–9  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 297  
gene expression correlation: 0.2610  
gene score correlation: 0.3124



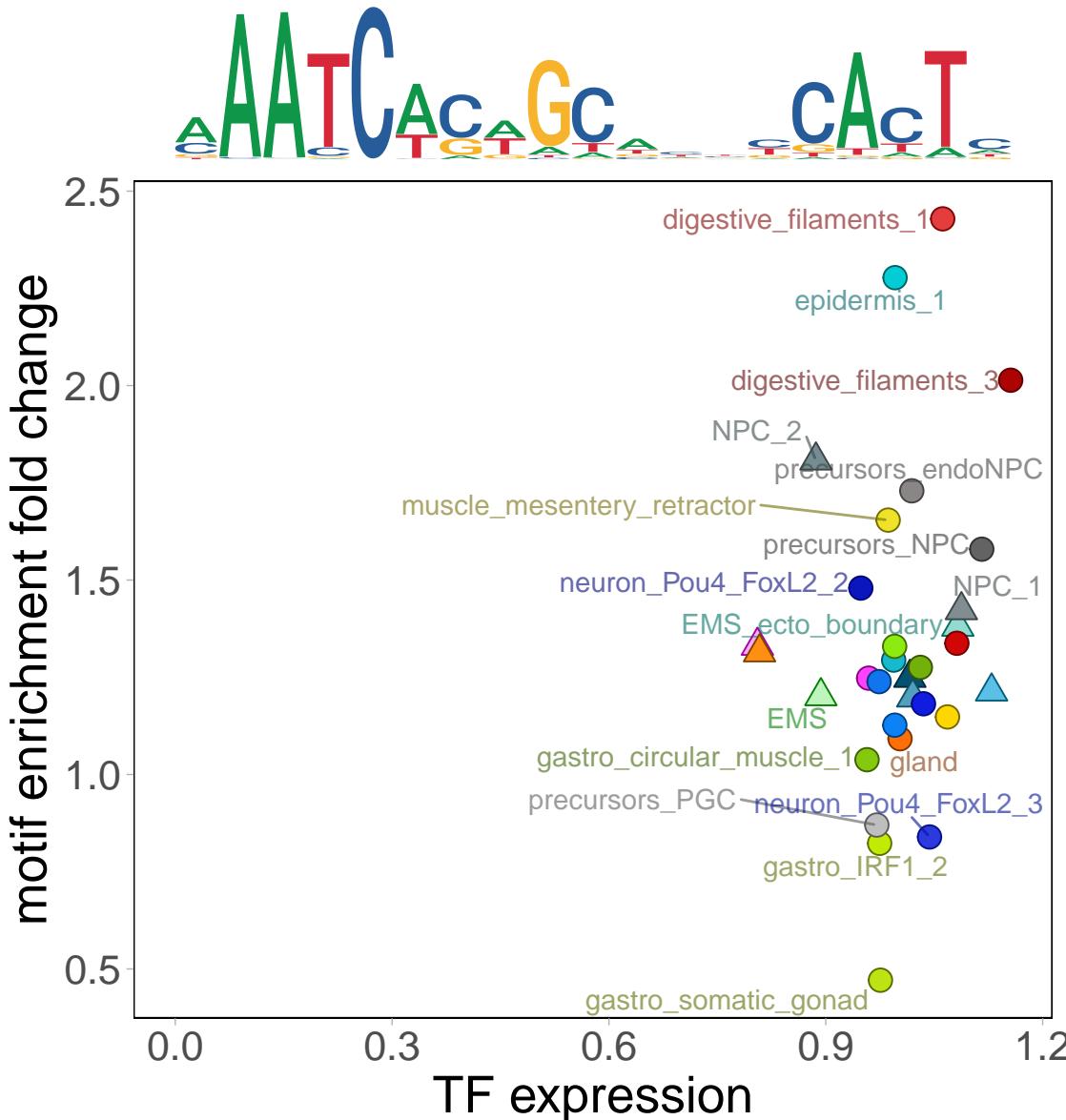
Nvec\_vc1.1\_XM\_001628634.3  
OG: Homeodomains.HG2.28:PAX3/PAX  
PFAM: PAX/Homeodomain  
motif: ARCH873\_Pax5/Pax8/Pax2  
TF family: Pax/Homeodomain  
archetype family: Pax/Homeodomain  
CisBP assigned: FALSE  
rank: 2  
gene expression correlation: 0.7624  
gene score correlation: 0.7955



Nvec\_vc1.1\_XM\_001628645.3  
OG: zf-C2H2.HG1.88:MYNN  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-H  
motif: ARCH923\_Zfp239//Zfp942/Zfp9...  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 29  
gene expression correlation: 0.2420  
gene score correlation: 0.1306



Nvec\_vc1.1\_XM\_001628705.3  
OG: zf-C2H2.HG1.119:PRDM4  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH1345\_Gfi1b/Gfi1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 996  
gene expression correlation: 0.1783  
gene score correlation: -0.0906



Nvec\_vc1.1\_XM\_001628946.3

OG: bZIP.HG1.19:ATF6/ATF6B

PFAM: bZIP\_1

motif: M04043\_2.00

TF family: bZIP

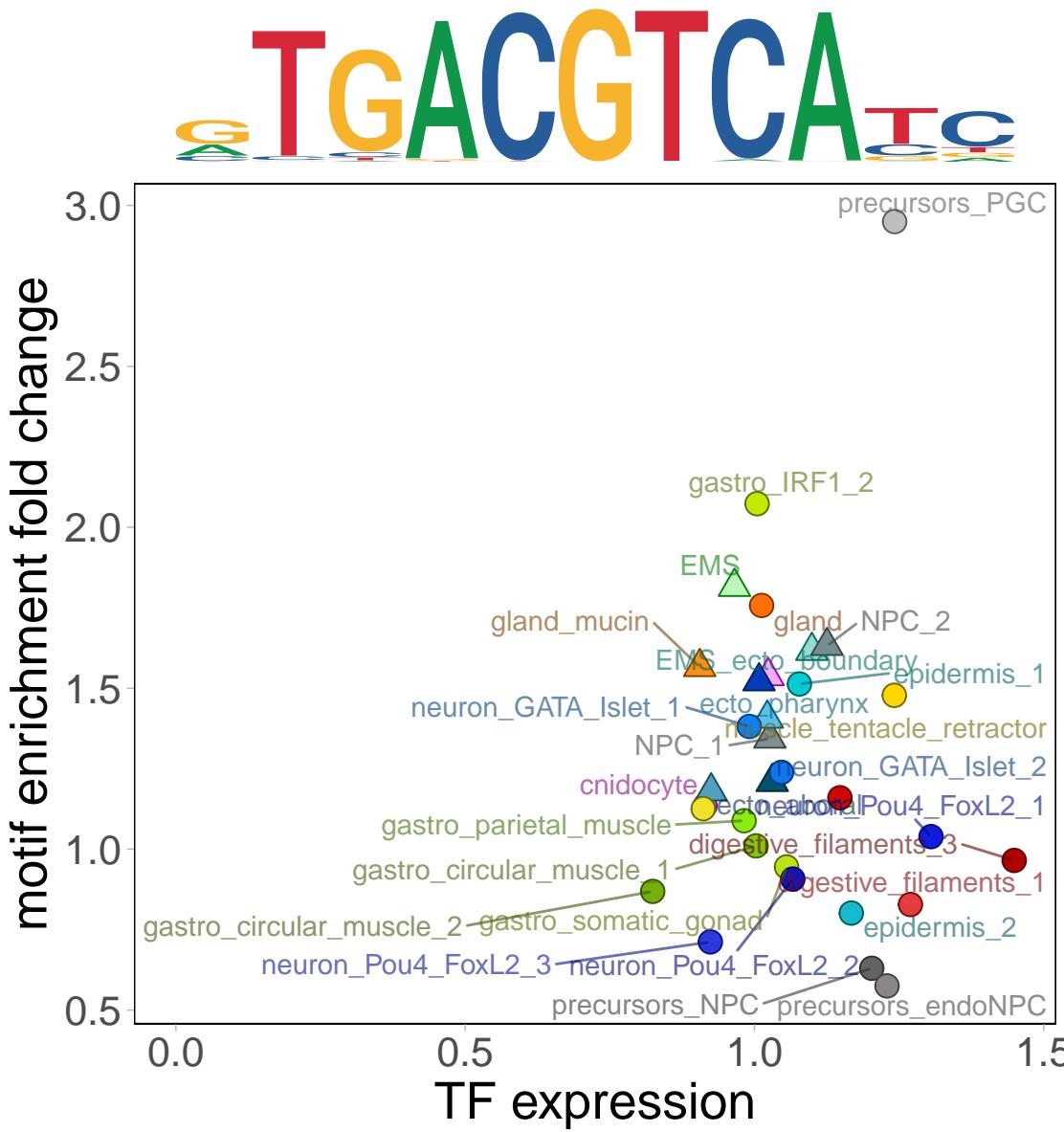
archetype family: bZIP

CisBP assigned: FALSE

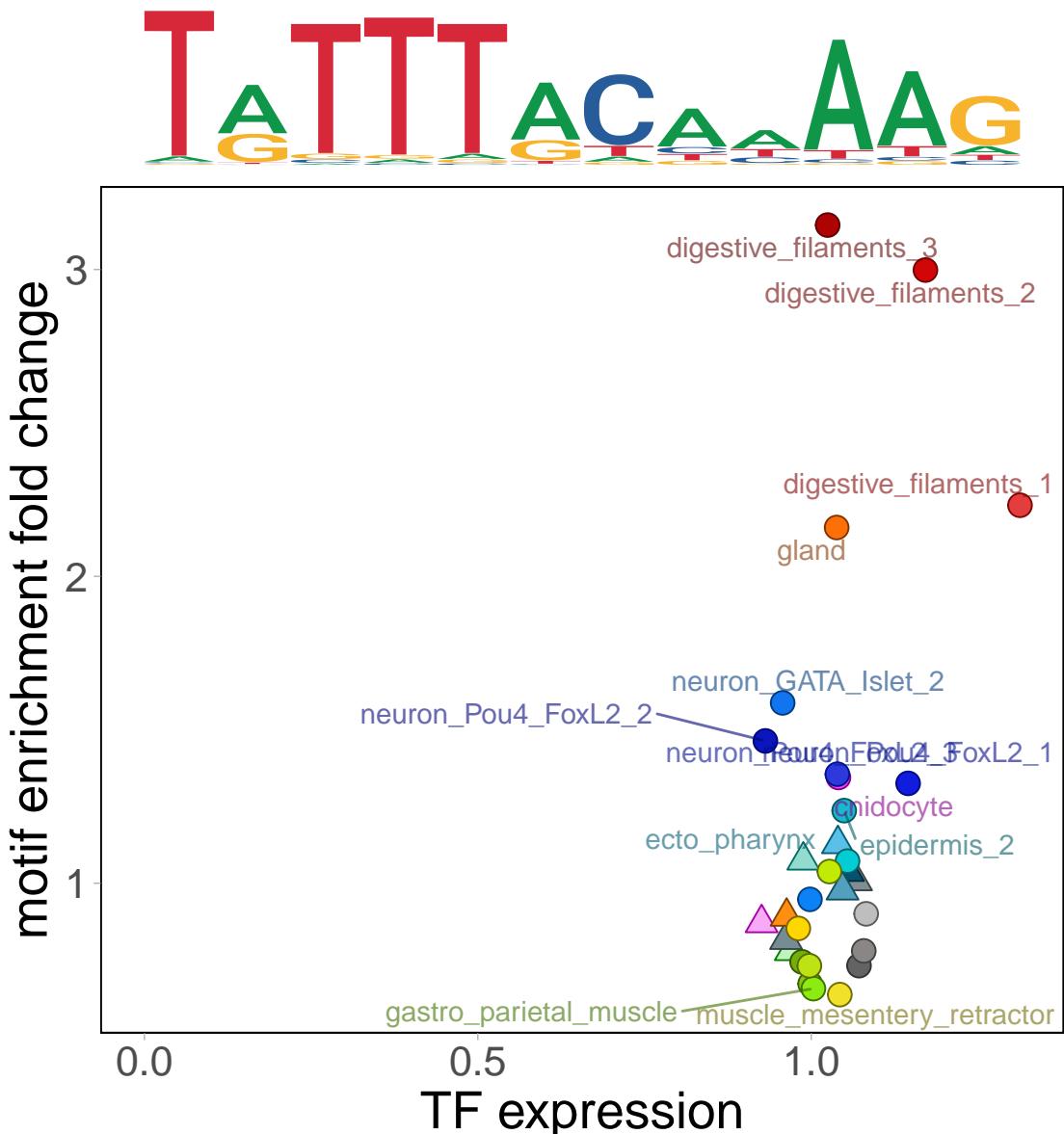
rank: 0

gene expression correlation: -0.0510

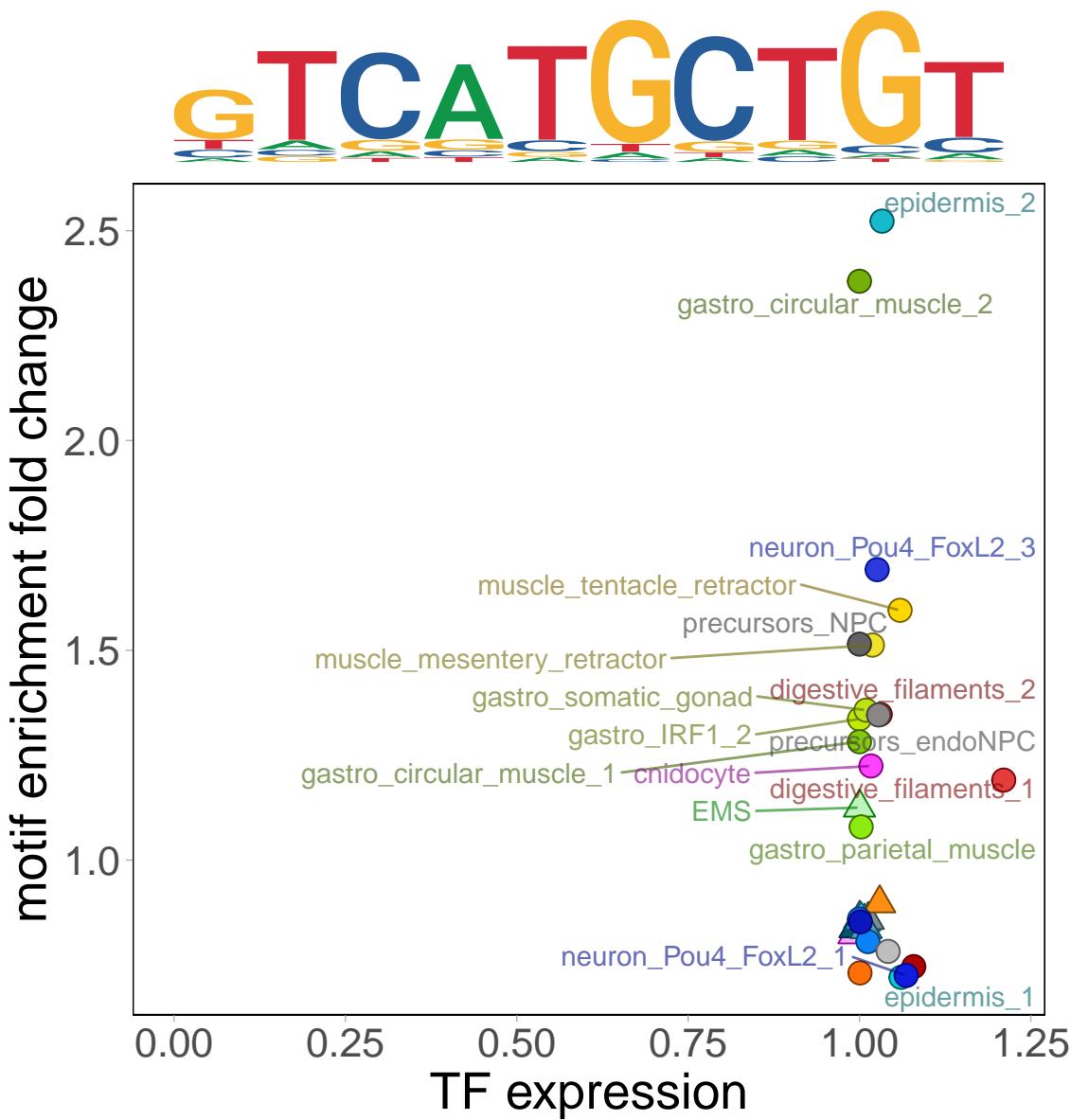
gene score correlation: -0.2919



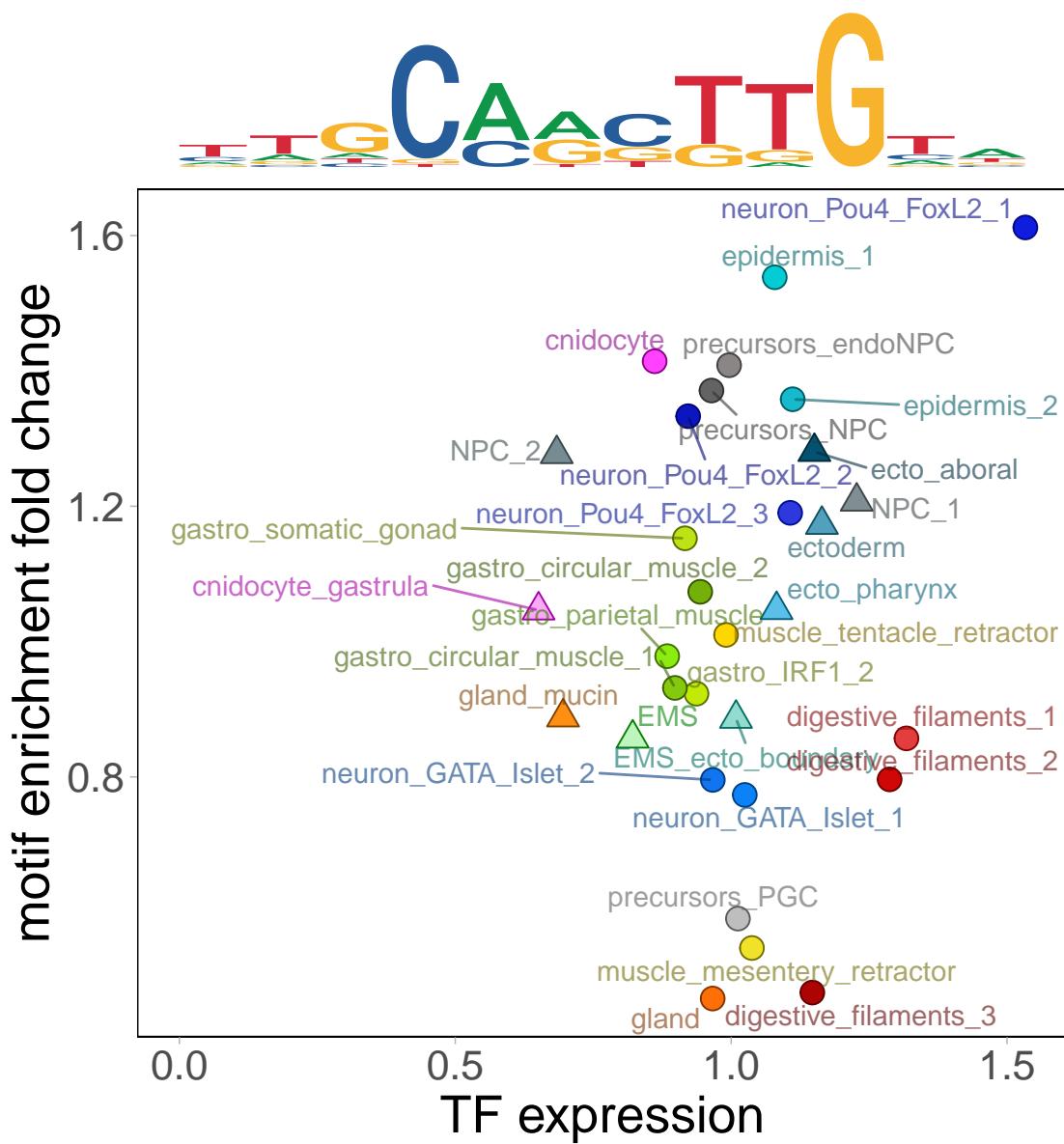
Nvec\_vc1.1\_XM\_001628964.3  
OG: Forkhead.HG1.23:FOXK1/FOXK2  
PFAM: FHA/Forkhead  
motif: ARCH1003\_Foxa3/Foxa1/Foxa2\_  
TF family: Forkhead  
archetype family: Forkhead  
CisBP assigned: FALSE  
rank: 130  
gene expression correlation: 0.4383  
gene score correlation: -0.0848



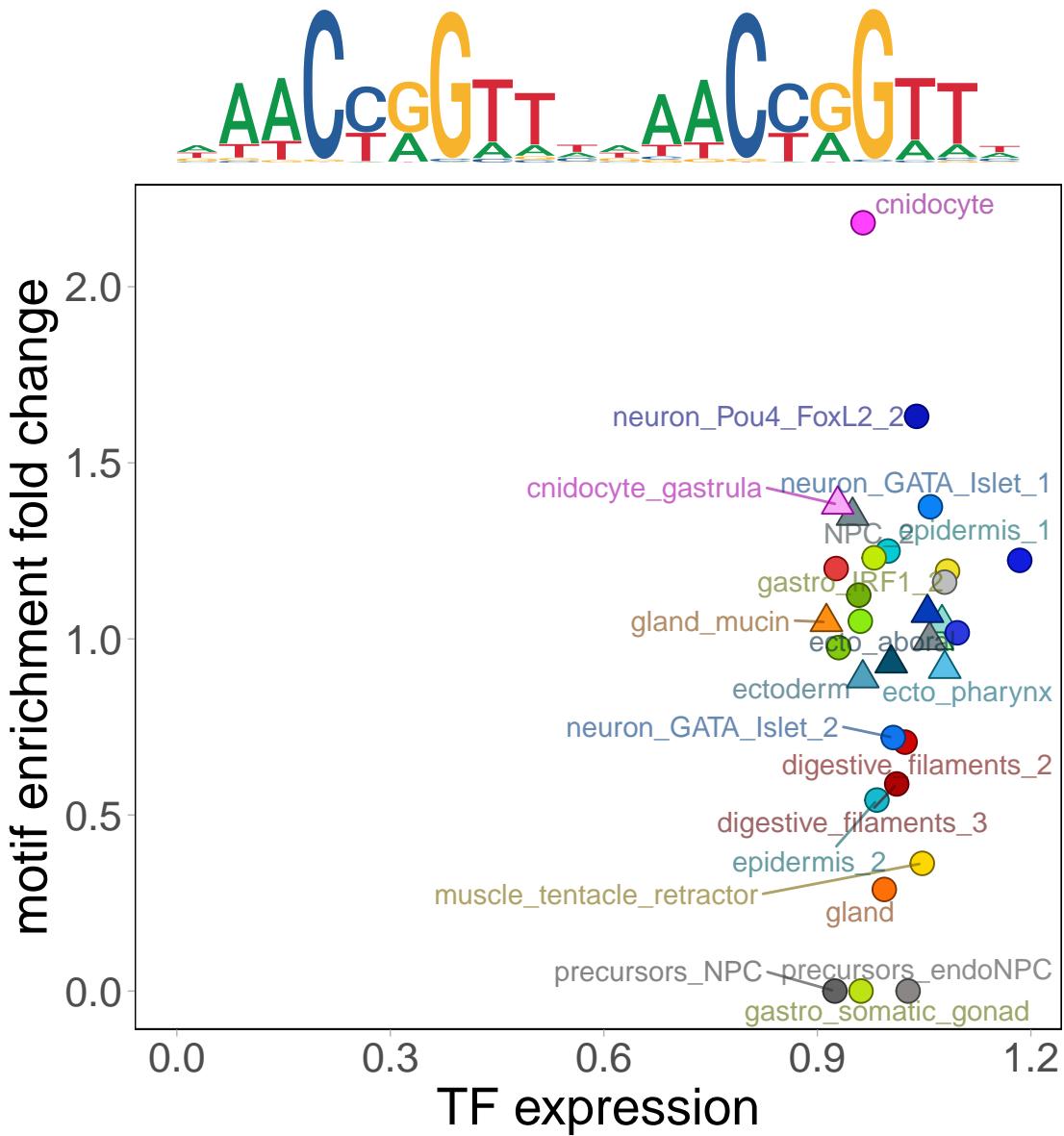
Nvec\_vc1.1\_XM\_001628971.3  
OG: zf-C2H2.HG1.87:like:AC008758.1/  
PFAM: zf-met/zf-C2H2/zf-C2H2\_4/zf-C2H2  
motif: ARCH804\_PB0207.1\_Zic3\_2  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 33  
gene expression correlation: -0.0032  
gene score correlation: 0.3913



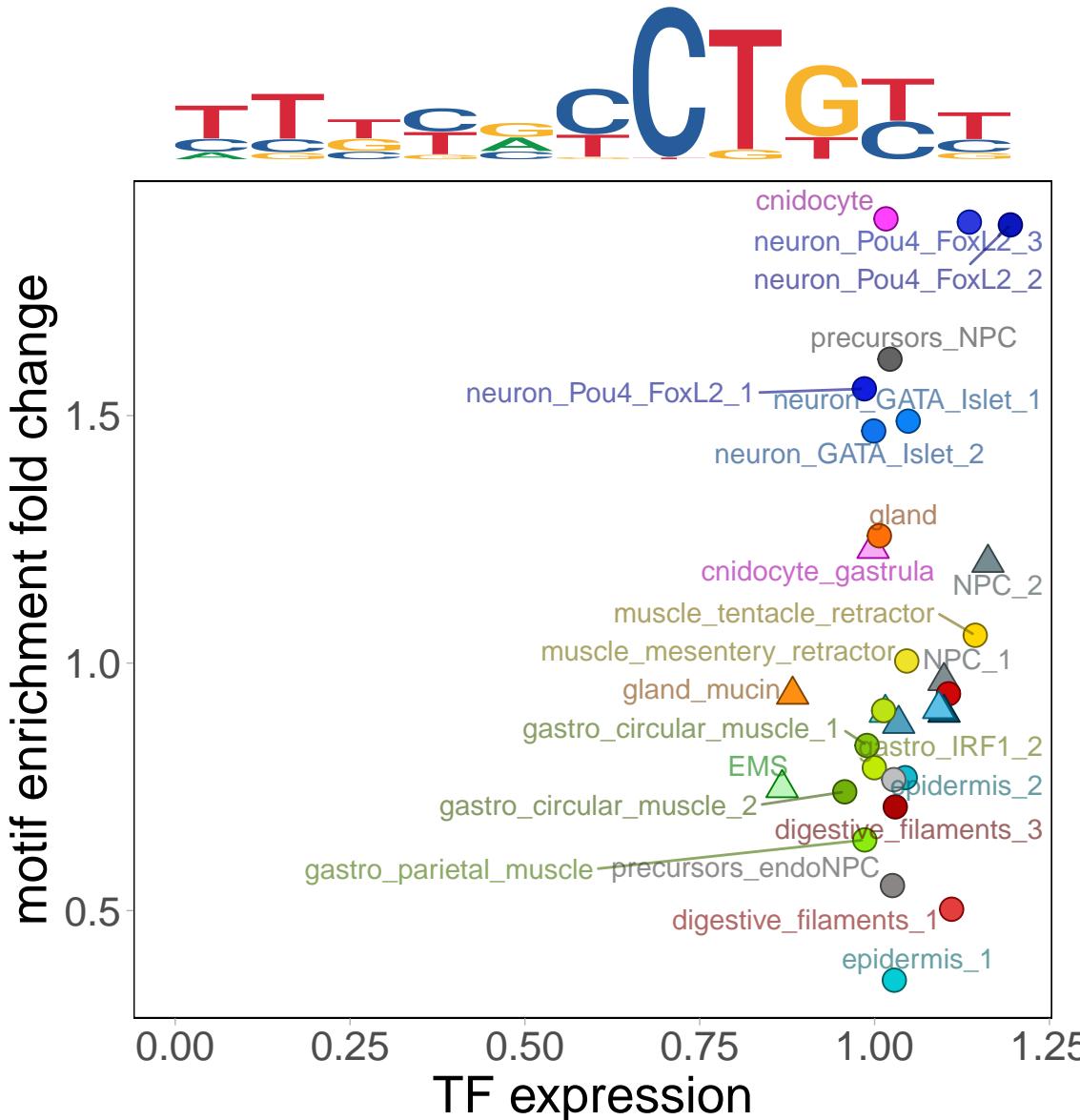
Nvec\_vc1.1\_XM\_001629480.3  
OG: HLH.HG1.0:AC019117.4/AHR/AHR  
PFAM: HLH/PAS/PAS\_11  
motif: ARCH473\_bHLH80\_ZSCAN4  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 454  
gene expression correlation: 0.1213  
gene score correlation: 0.1676



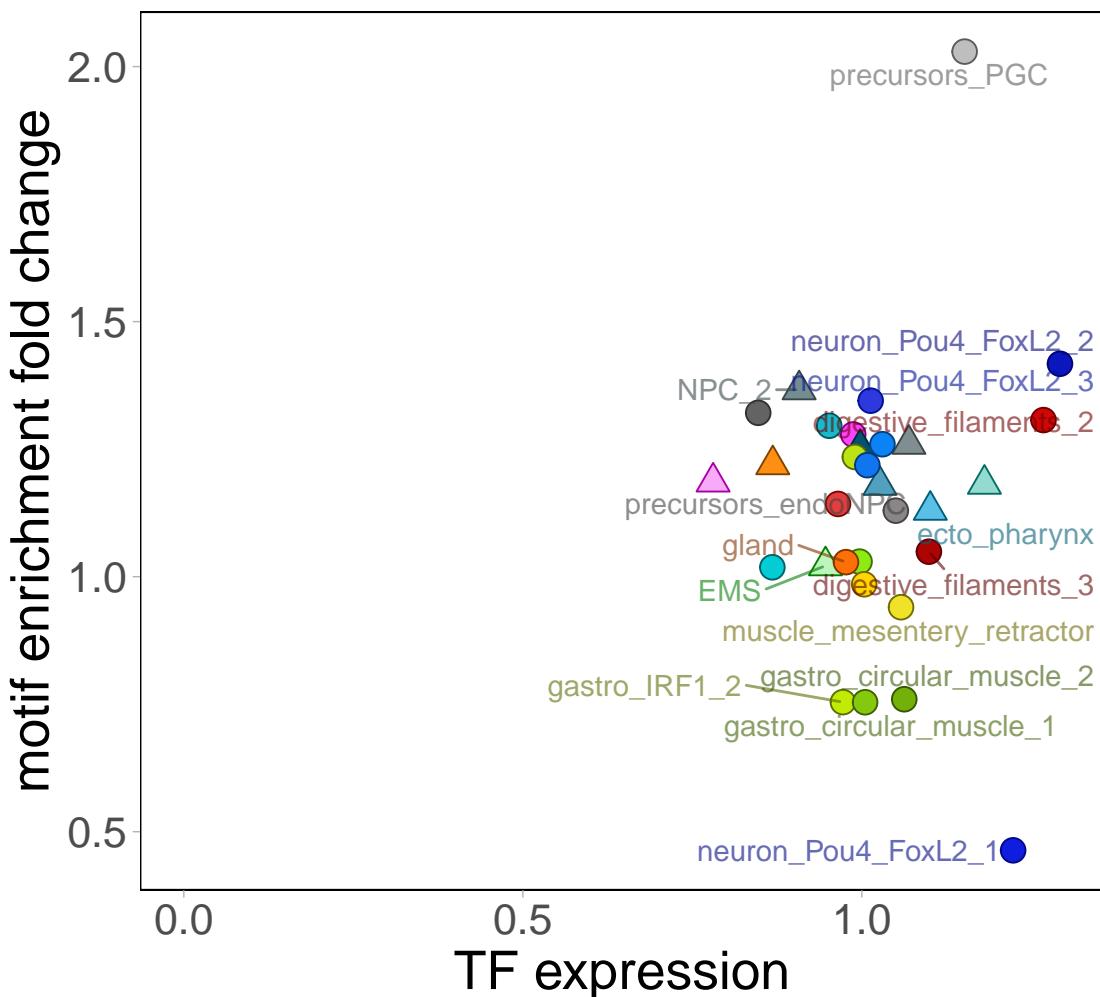
Nvec\_vc1.1\_XM\_001629572.3  
OG: Grainyhead\_LSF.HG1.0:TFCP2/TF  
PFAM: CP2/SAM\_3  
motif: M03769\_2.00  
TF family: Grainyhead\_LSF  
archetype family: Grainyhead\_LSF  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.0833  
gene score correlation: -0.1645



Nvec\_vc1.1\_XM\_001629605.3  
OG: SMAD\_MH1.HG1.2:like:SMAD4  
PFAM: MH1/MH1/zf-HC5HC2H\_2/PHD  
motif: ARCH662\_Smad4  
TF family: SMAD\_MH1  
archetype family: SMAD\_MH1  
CisBP assigned: TRUE  
rank: 561  
gene expression correlation: 0.2733  
gene score correlation: 0.1985



Nvec\_vc1.1\_XM\_001630131.3  
OG: ARID\_BRIGHT.HG1.2:ARID4A/AR  
PFAM: RBB1NT/ARID/Tudor-knot  
motif: ARCH64\_Arid2\_Arid3c/Arid3a/...  
TF family: ARID\_BRIGHT  
archetype family: ARID\_BRIGHT  
CisBP assigned: FALSE  
rank: 62  
gene expression correlation: 0.0393  
gene score correlation: 0.1661



Nvec\_vc1.1\_XM\_001630333.3

OG: Myb.HG1.0:CDC5L

PFAM: Myb\_DNA-bind\_6/Myb\_Cef

motif: M11049\_2.00

TF family: Myb

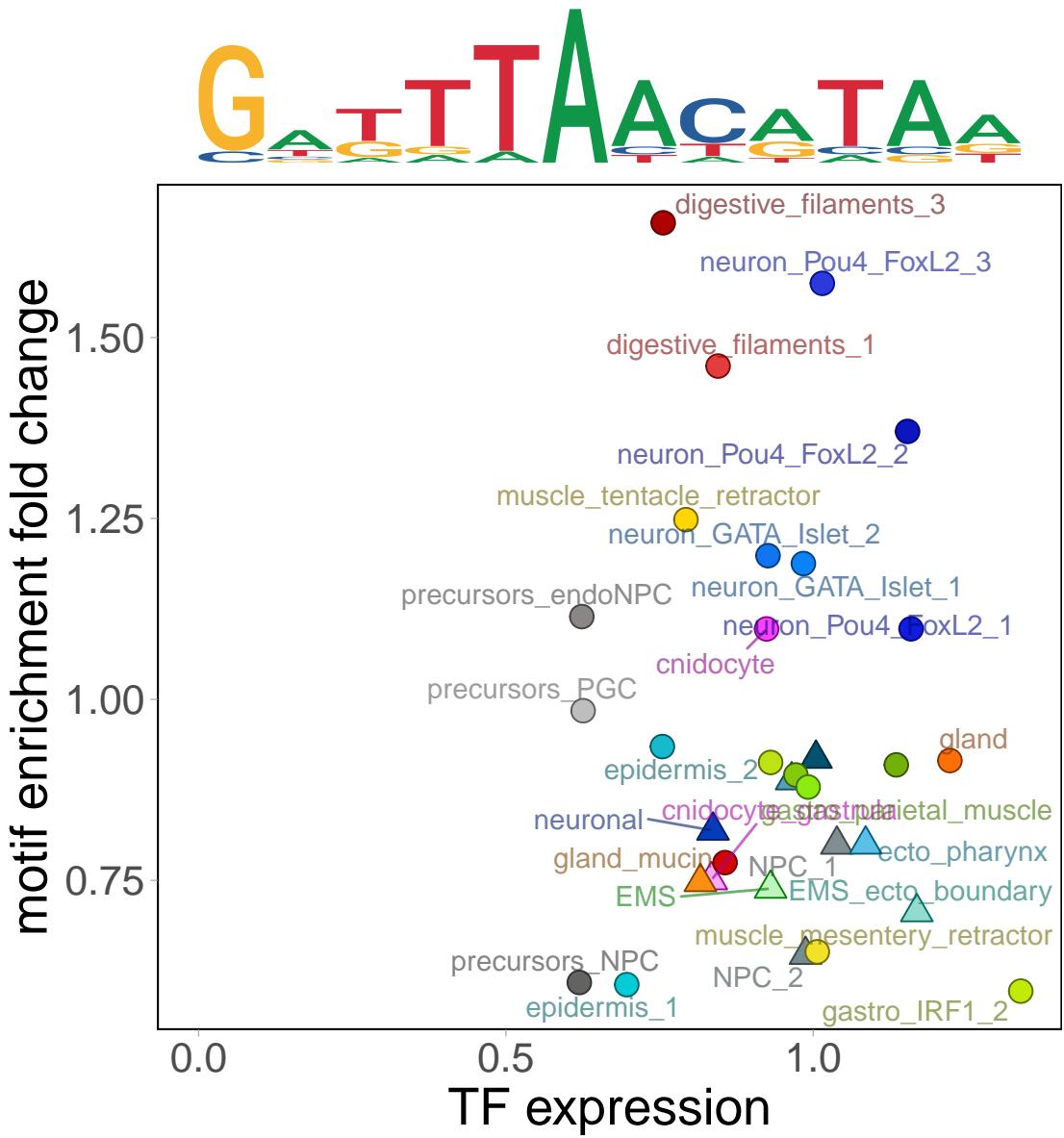
archetype family: Myb

CisBP assigned: TRUE

rank: 0

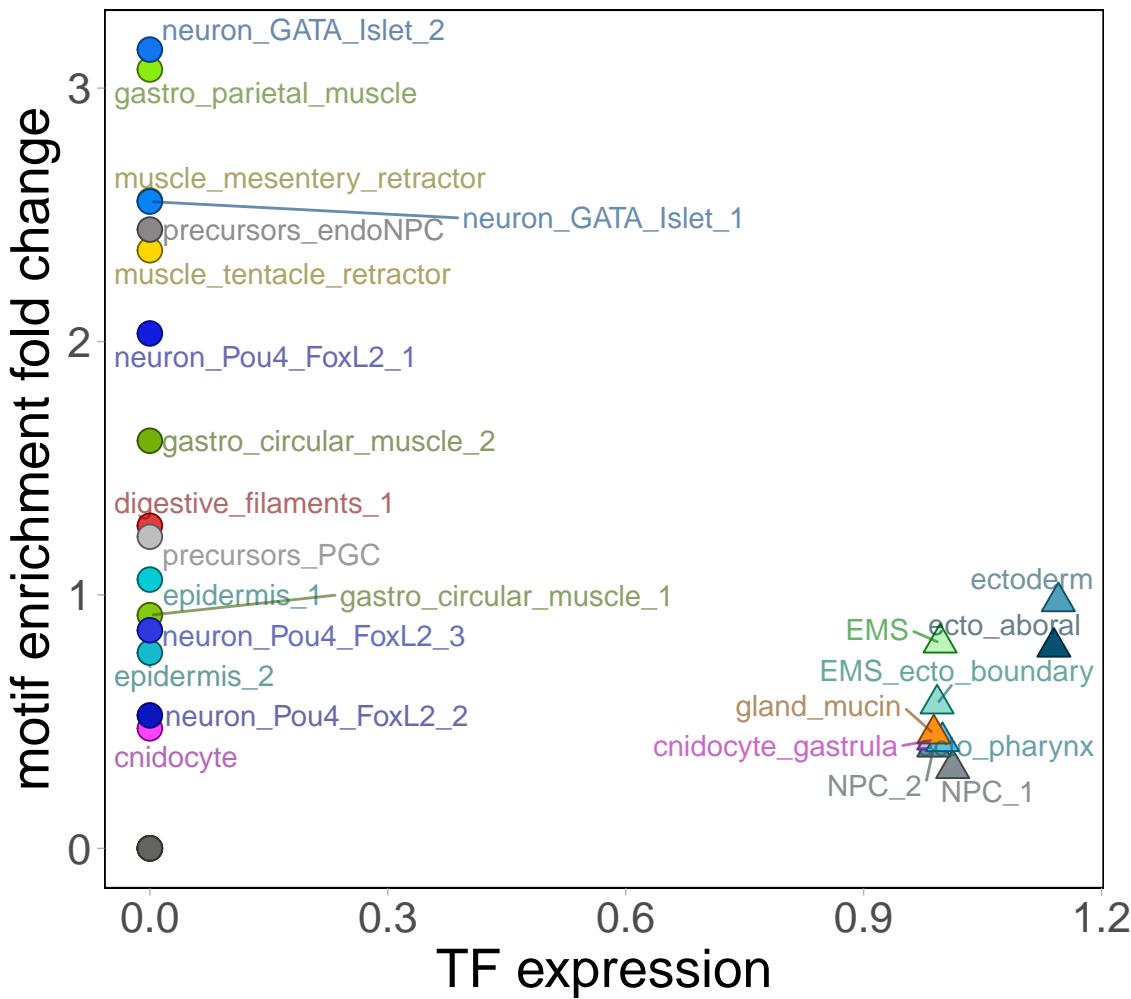
gene expression correlation: -0.0859

gene score correlation: 0.0232

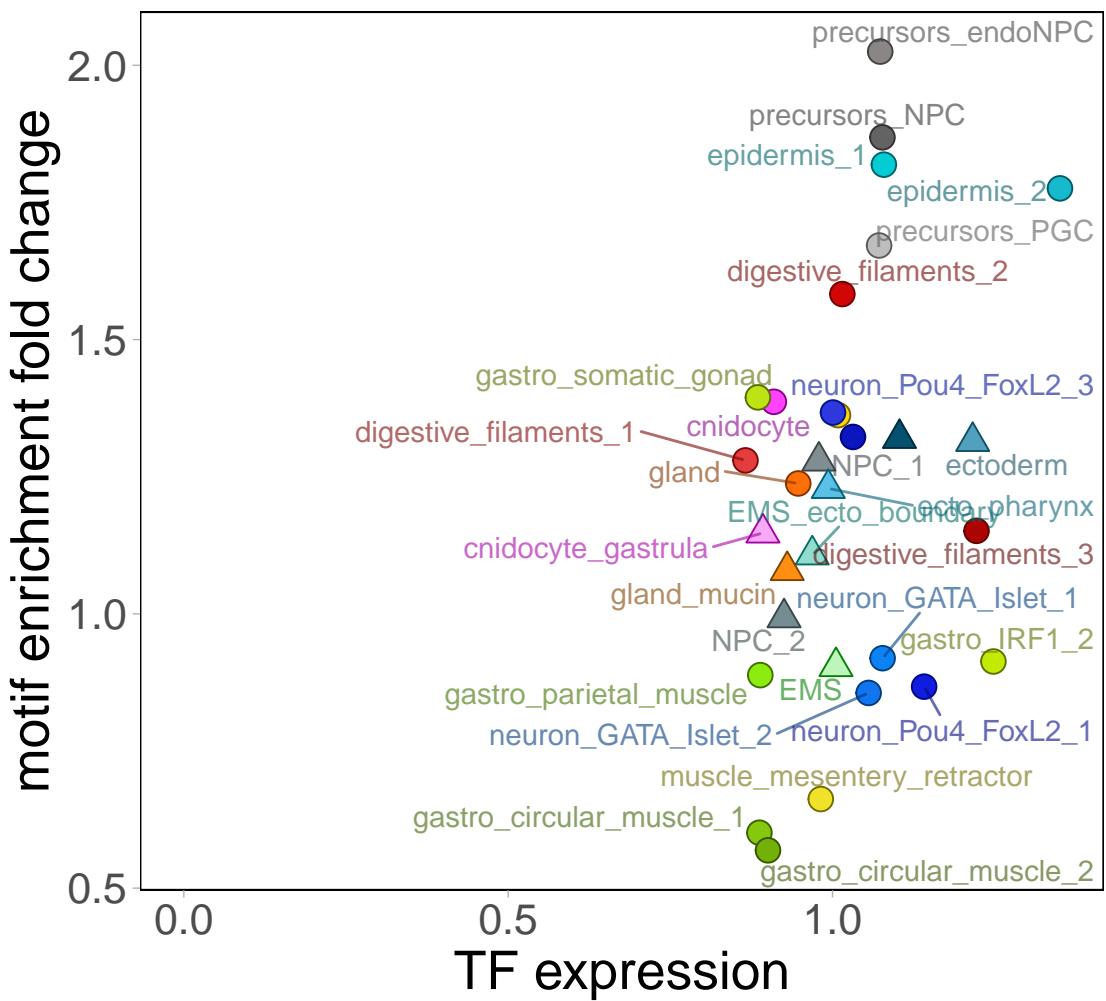


Nvec\_vc1.1\_XM\_001630356.3  
OG: GATA.HG1.4:ZGLP1  
PFAM: GATA  
motif: ARCH1449\_Gata3/Gata1/Gata2  
TF family: GATA  
archetype family: GATA  
CisBP assigned: FALSE  
rank: 587  
gene expression correlation: -0.3032  
gene score correlation: -0.3030

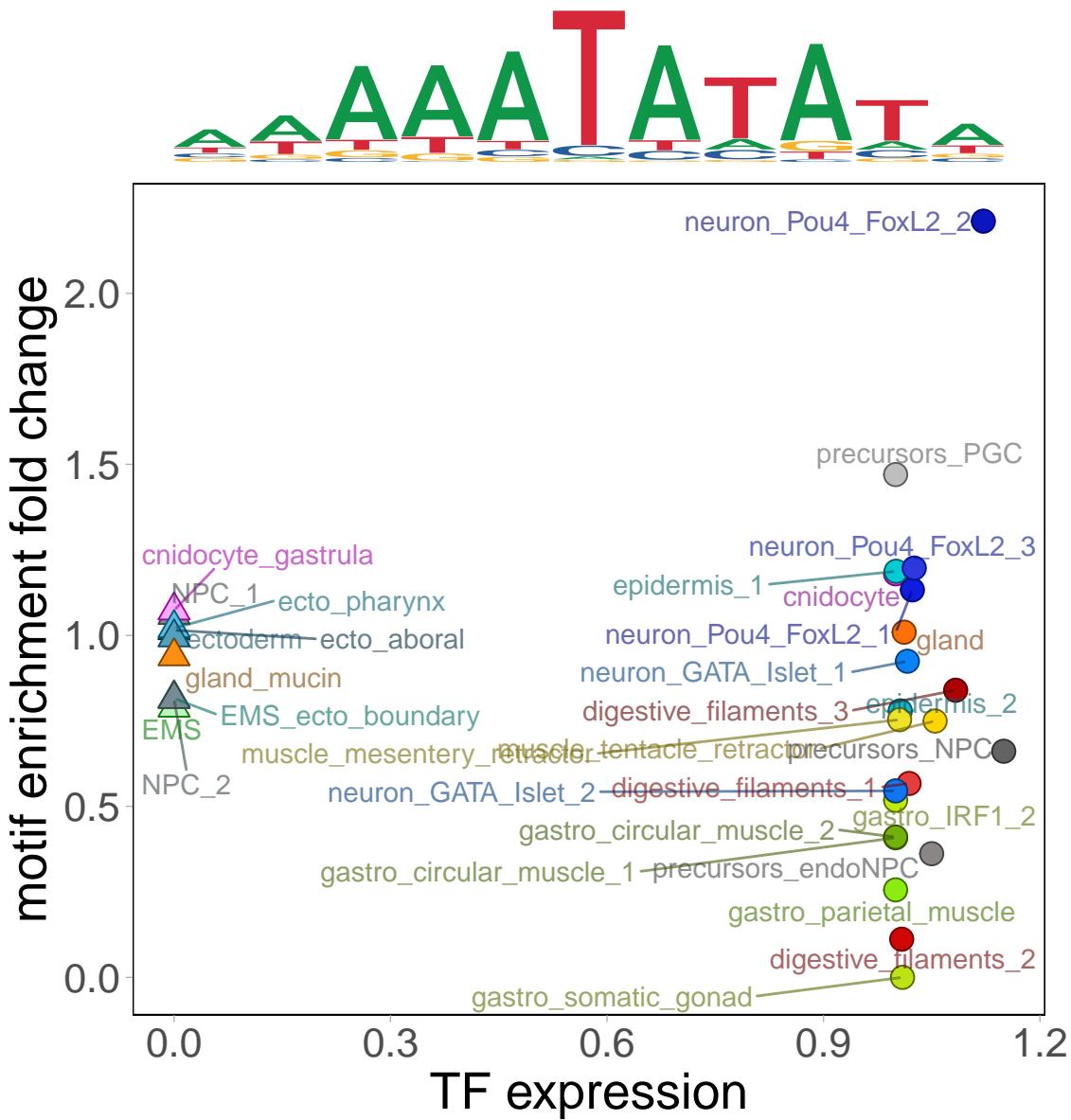
GATAAG CTTATC



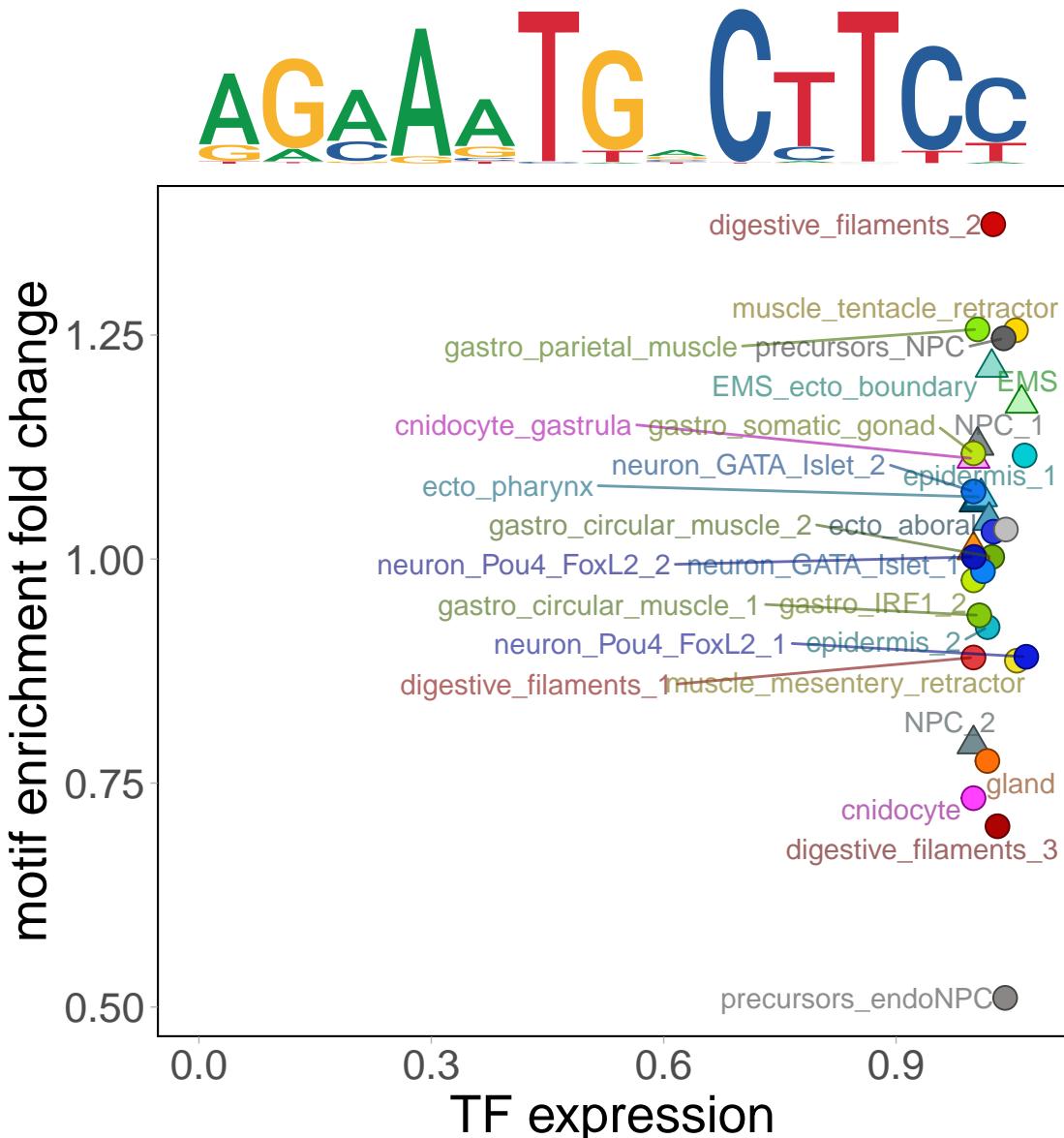
Nvec\_vc1.1\_XM\_001630363.3  
OG: Forkhead.HG1.29:FOXO1/FOXO3/  
PFAM: Forkhead/FOXO-TAD  
motif: ARCH829\_PB0121.1\_Foxj3\_2  
TF family: Forkhead  
archetype family: Forkhead  
CisBP assigned: FALSE  
rank: 2  
gene expression correlation: 0.3111  
gene score correlation: 0.4463



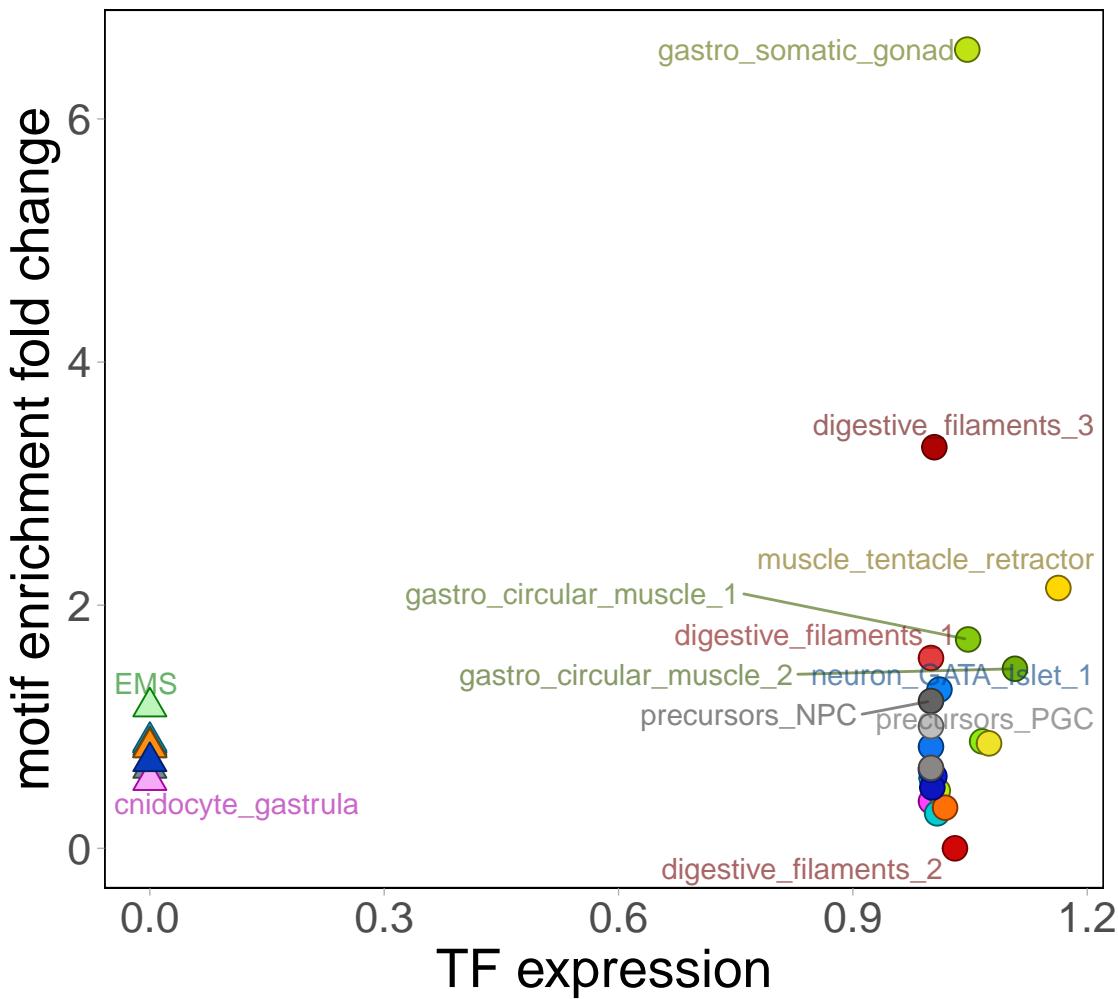
Nvec\_vc1.1\_XM\_001630519.3  
OG: Homeodomains.HG1.49:like:NOTO  
PFAM: Homeodomain  
motif: ARCH17\_Alx3/Alx4/Alx1\_Barx2...  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: TRUE  
rank: 127  
gene expression correlation: -0.1509  
gene score correlation: -0.1558



Nvec\_vc1.1\_XM\_001630559.3  
OG: zf-C2H2.HG19.0:ZNF496  
PFAM: zf-C2H2/zf-C2H2\_4/zf-C2H2/zf-C2H2\_4  
motif: ARCH1274\_ZNF528  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 311  
gene expression correlation: 0.0529  
gene score correlation: 0.2735



Nvec\_vc1.1\_XM\_001630676.3  
OG: Homeodomains.HG2.68:like:ARX/O  
PFAM: Homeodomain  
motif: Nvec\_vc1.1\_XM\_001630676.3\_H  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.1875  
gene score correlation: 0.2232



Nvec\_vc1.1\_XM\_001630974.3

## OG: Myb.HG1.23:TERB1/TERF2

## PFAM: Myb\_DNA-binding

motif: ARCH1391\_MYB113

## TF family: Myb

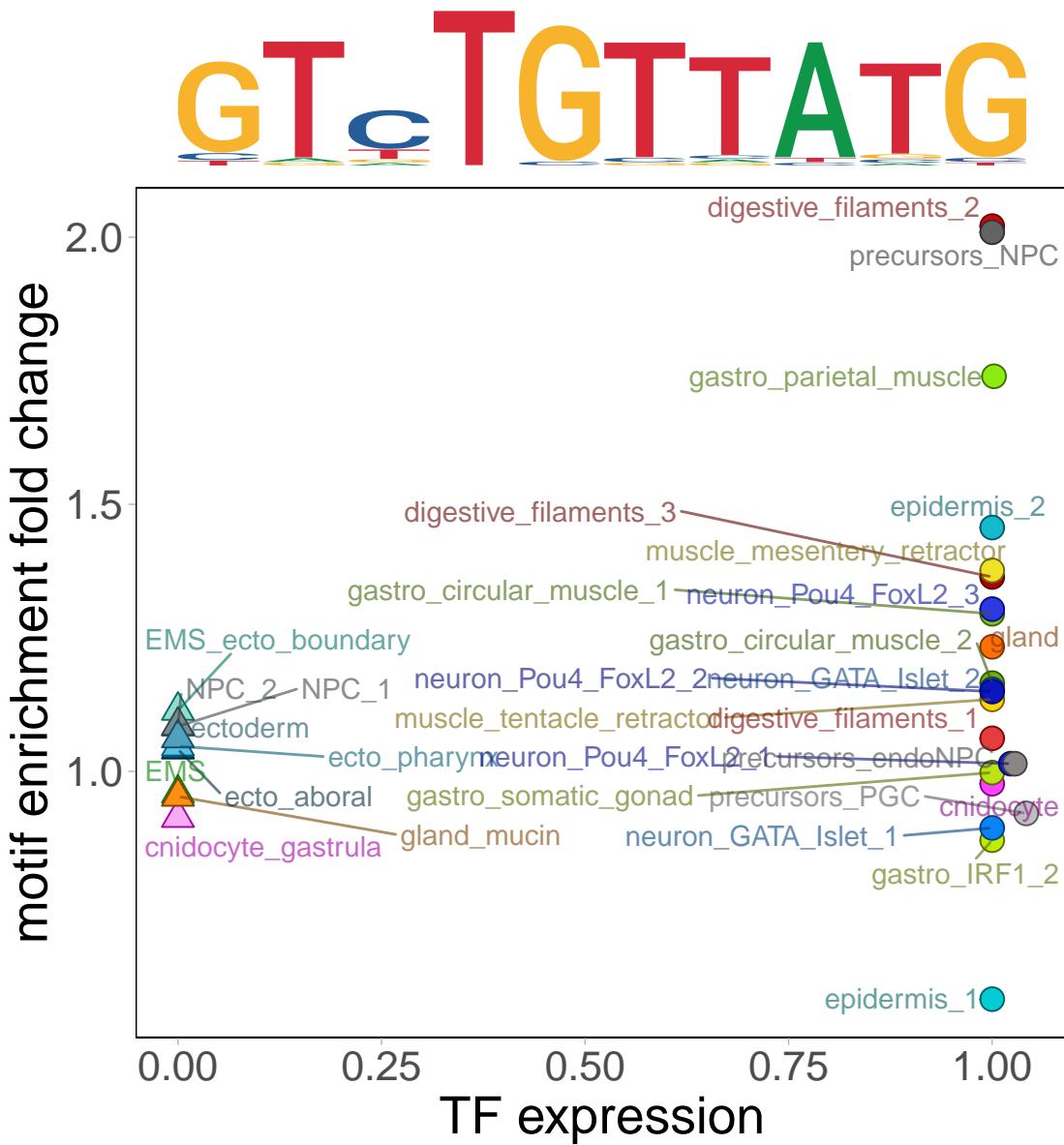
# archetype family: Myb

CisBP assigned: FALSE

rank: 609

gene expression correlation: 0.2720

gene score correlation: 0.1352



Nvec\_vc1.1\_XM\_001631093.3

OG: bZIP.HG1.17:ATF3/JDP2

PFAM: bZIP\_1

motif: ARCH947\_Creb3I2/Creb3I1

TF family: bZIP

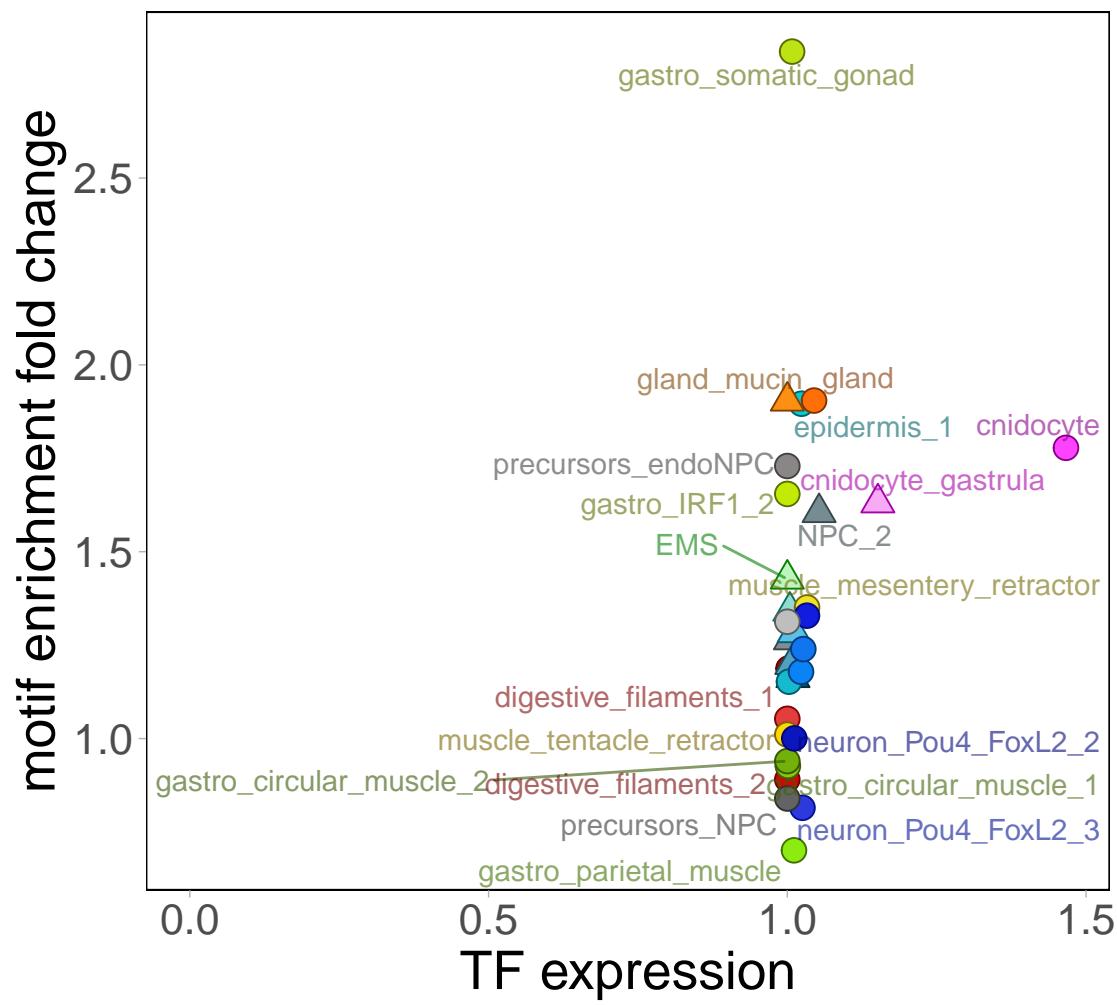
archetype family: bZIP

CisBP assigned: FALSE

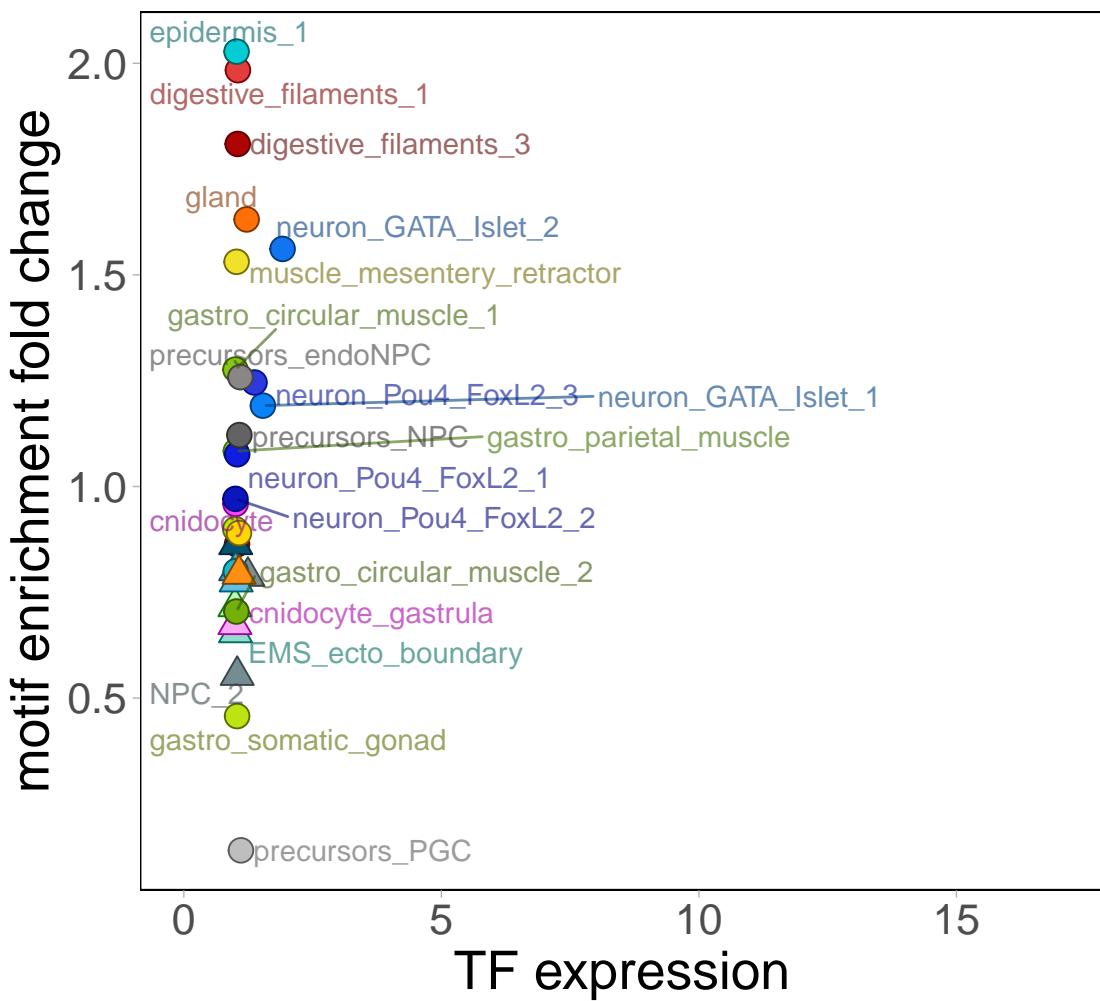
rank: 11

gene expression correlation: 0.2462

gene score correlation: 0.2104



Nvec\_vc1.1\_XM\_001631173.3  
OG: Homeodomains.HG2.62:VSX1/VSX2  
PFAM: Homeodomain  
motif: ARCH1328\_M02167\_2.00  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 10  
gene expression correlation: 0.2682  
gene score correlation: 0.2269



Nvec\_vc1.1\_XM\_001631326.3

OG: HLH.HG1.72:BHLHA9

PFAM: HLH

motif: ARCH1533\_BHLH112

TF family: HLH

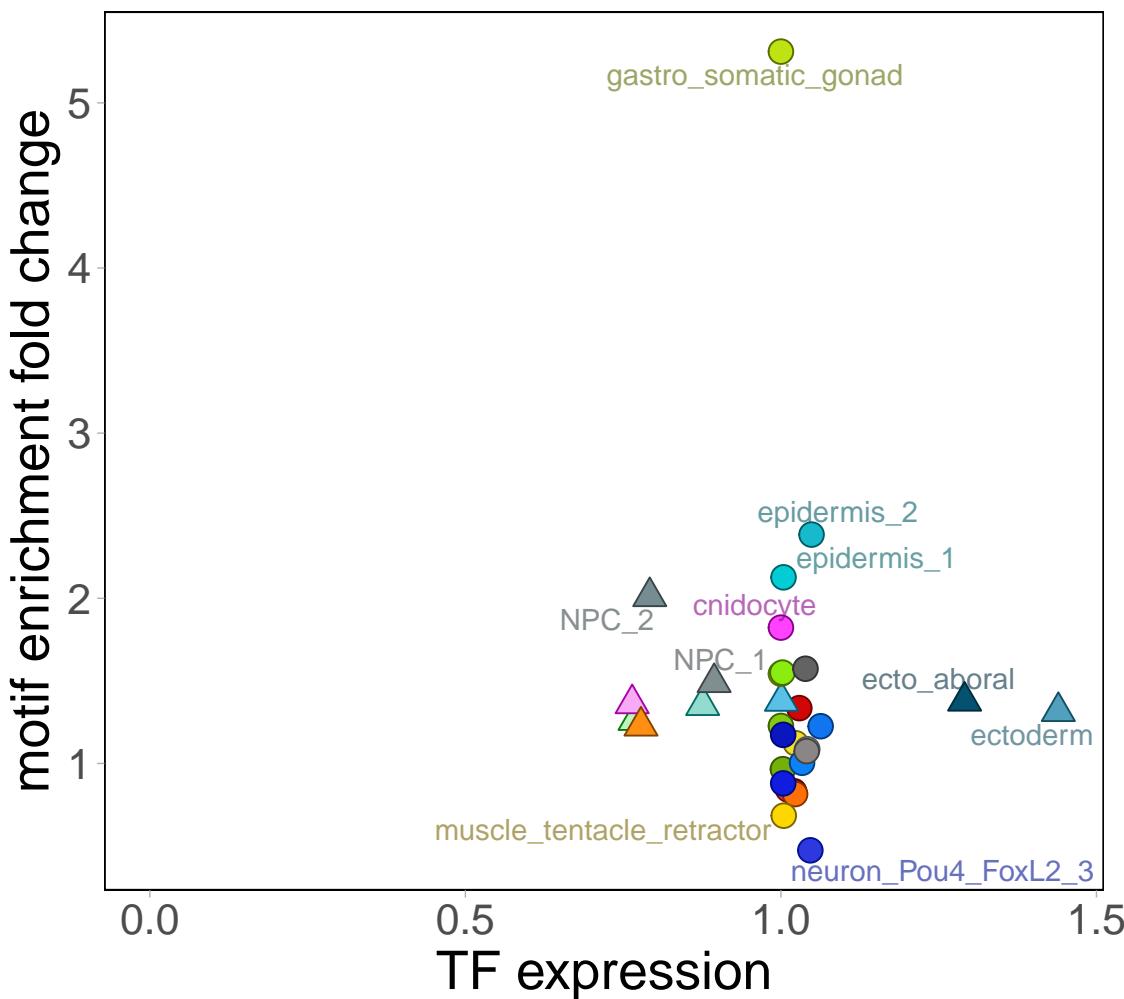
archetype family: HLH

CisBP assigned: FALSE

rank: 81

gene expression correlation: -0.0541

gene score correlation: -0.0362



Nvec\_vc1.1\_XM\_001631375.3

OG: Homeodomains.HG2.70:ARX

PFAM: Homeodomain/OAR

motif: ARCH1437\_

TF family: Homeodomains

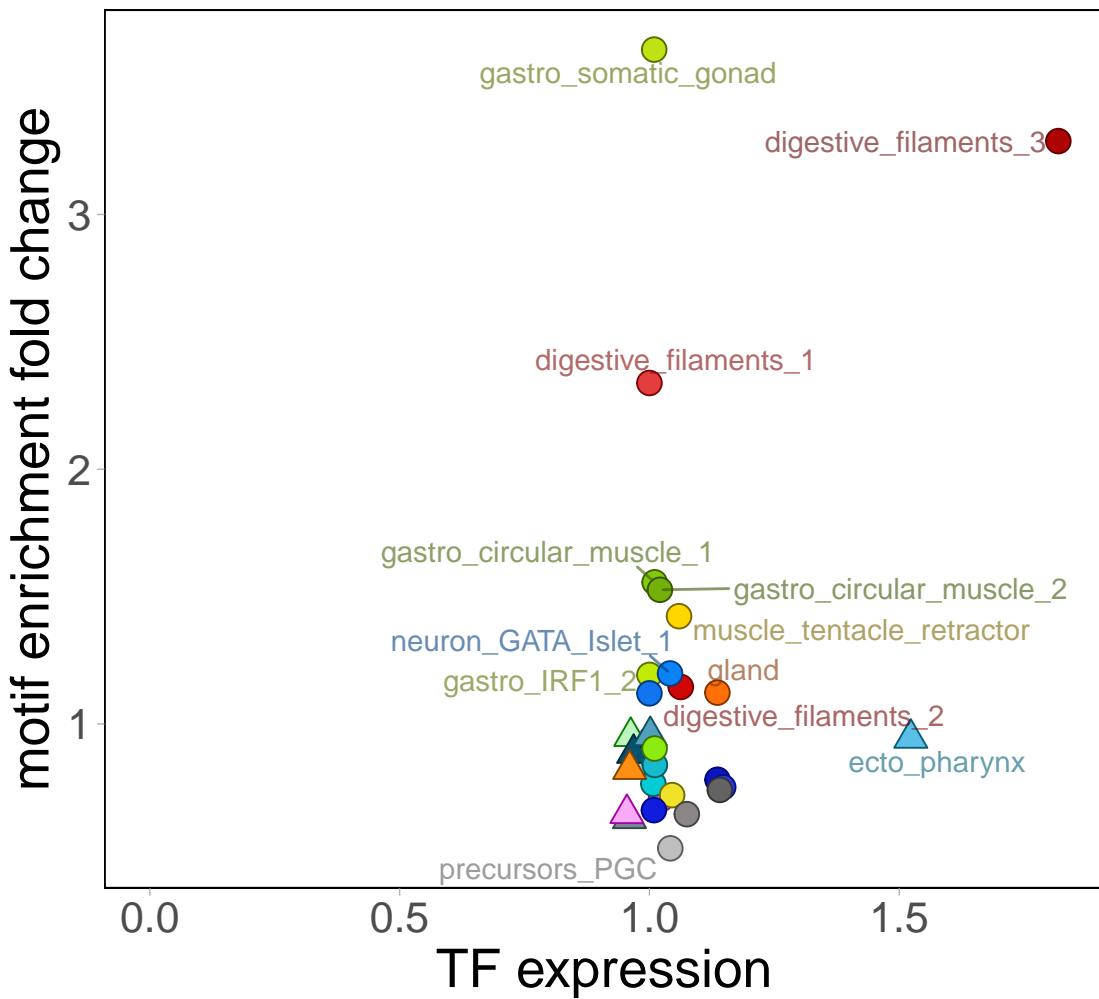
archetype family: Homeodomains

CisBP assigned: FALSE

rank: 40

gene expression correlation: 0.4068

gene score correlation: 0.6144



Nvec\_vc1.1\_XM\_001631403.3

OG: HLH.HG1.14:MLXIP/MLXIPL

PFAM: HLH

motif: M05989\_2.00

TF family: HLH

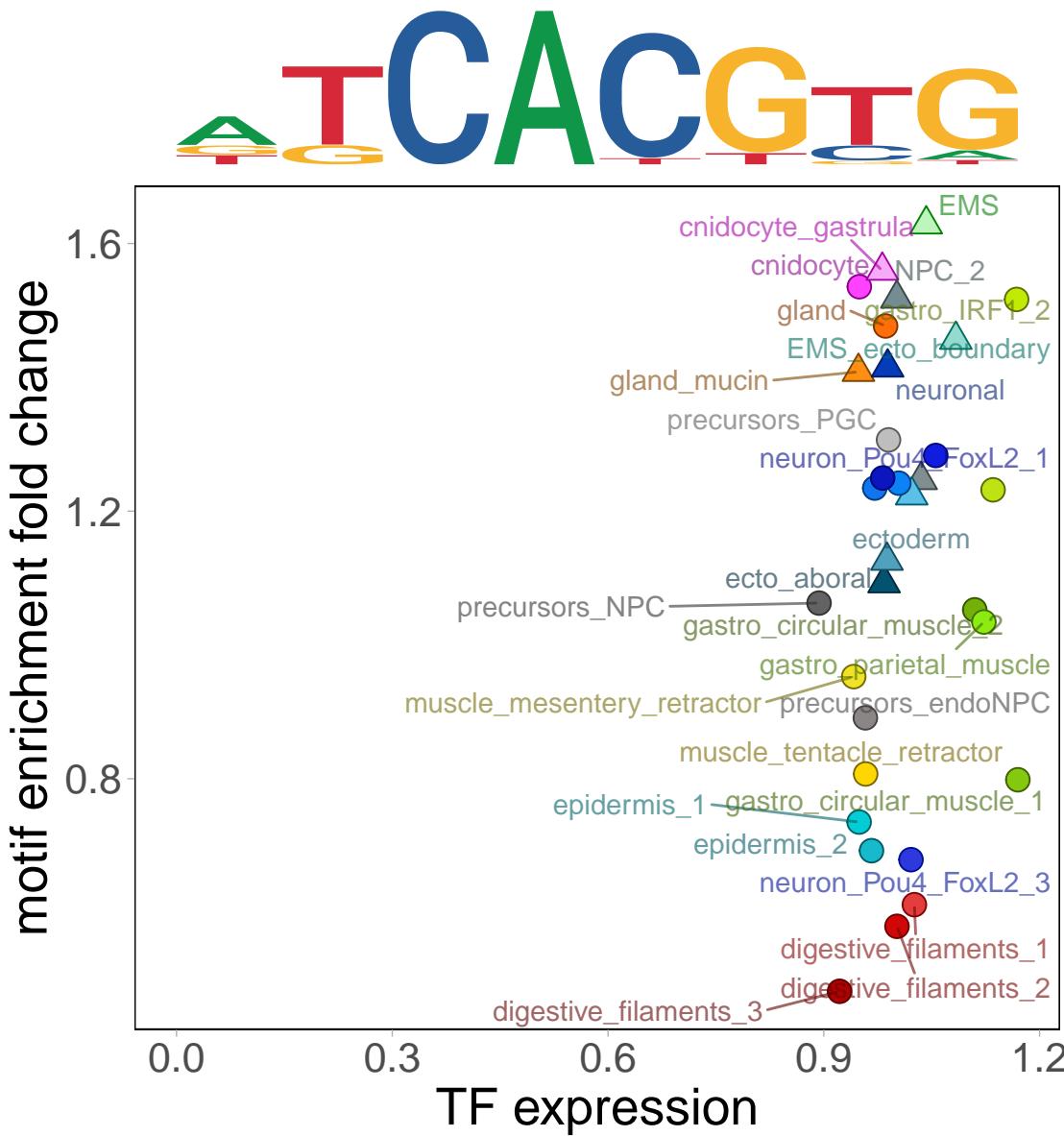
archetype family: HLH

CisBP assigned: FALSE

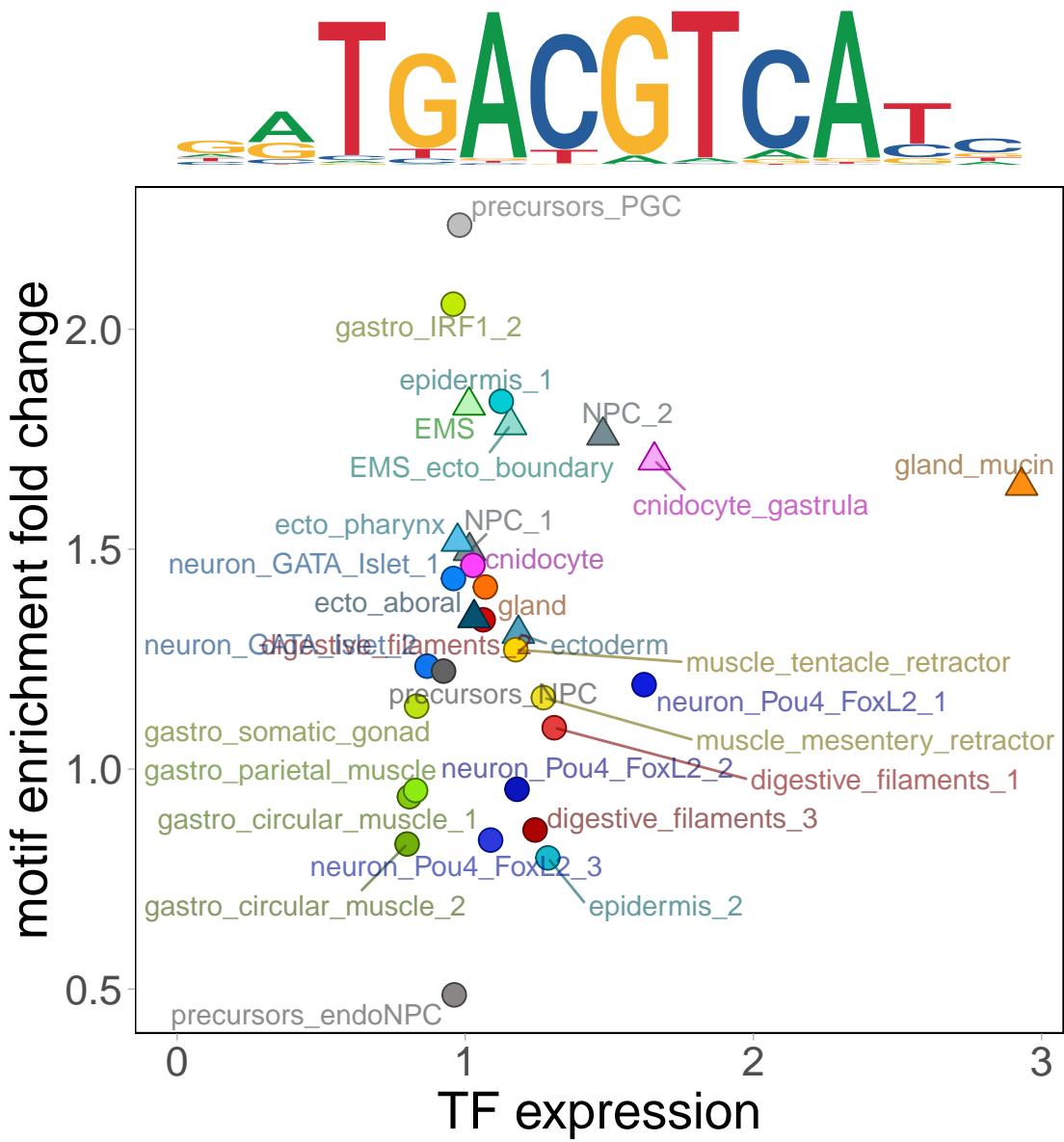
rank: 0

gene expression correlation: 0.1603

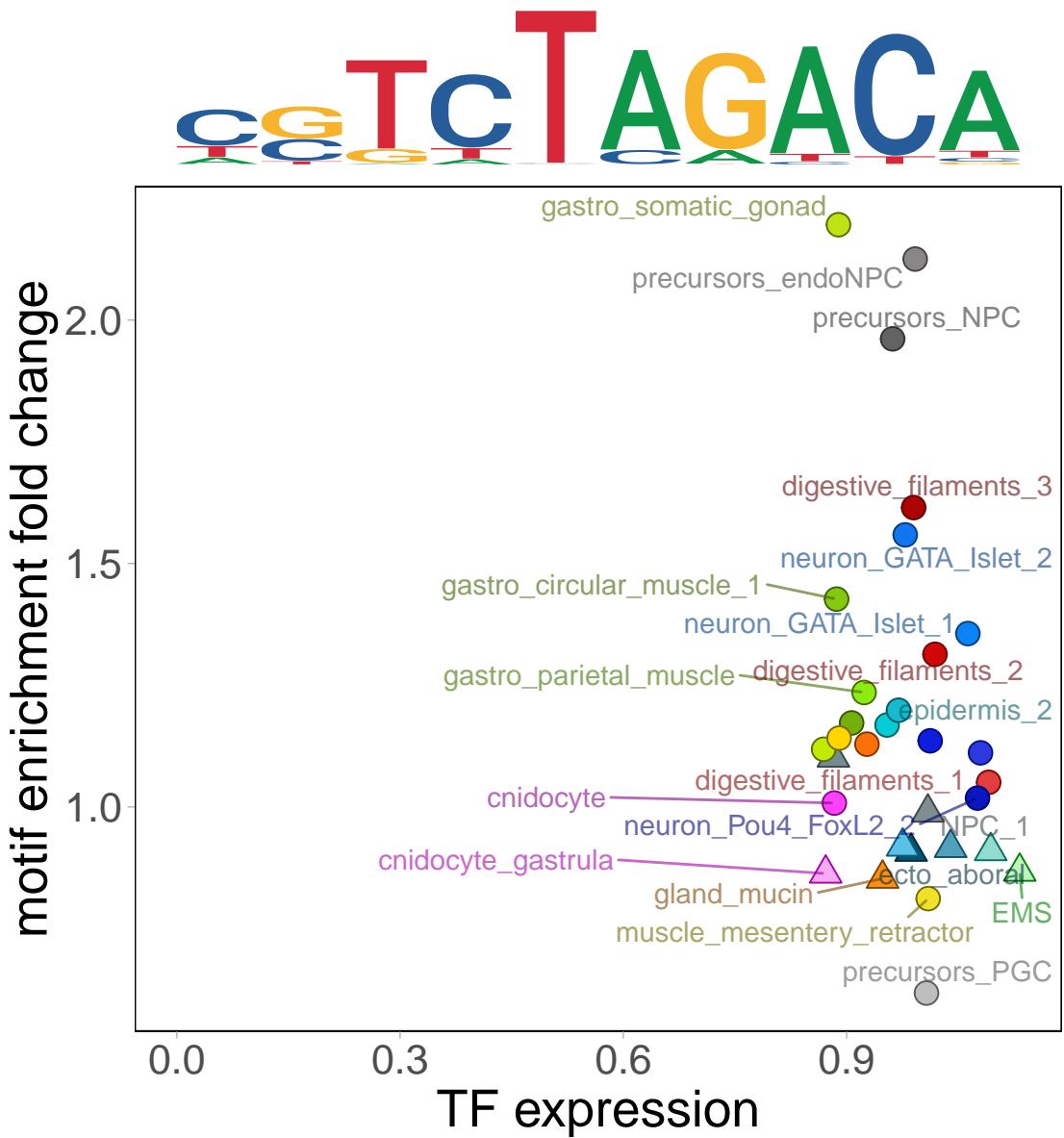
gene score correlation: 0.1318



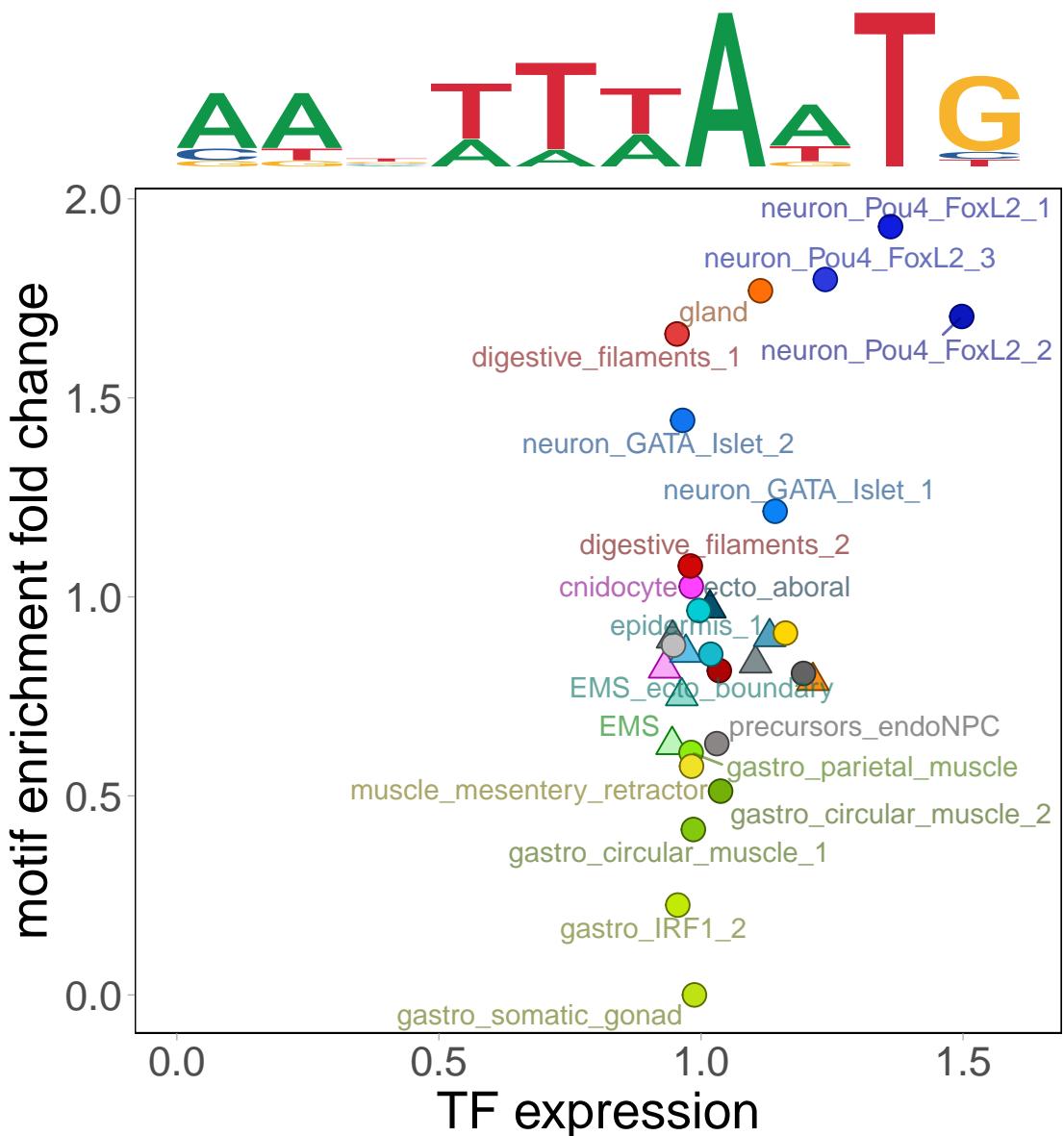
Nvec\_vc1.1\_XM\_001631543.3  
OG: bZIP.HG1.15:CREB3/CREB3L1/C  
PFAM: bZIP\_1  
motif: ARCH1610\_Atf3/Jdp2\_Atf7/Gm2.  
TF family: bZIP  
archetype family: bZIP  
CisBP assigned: FALSE  
rank: 33  
gene expression correlation: 0.1884  
gene score correlation: 0.0646



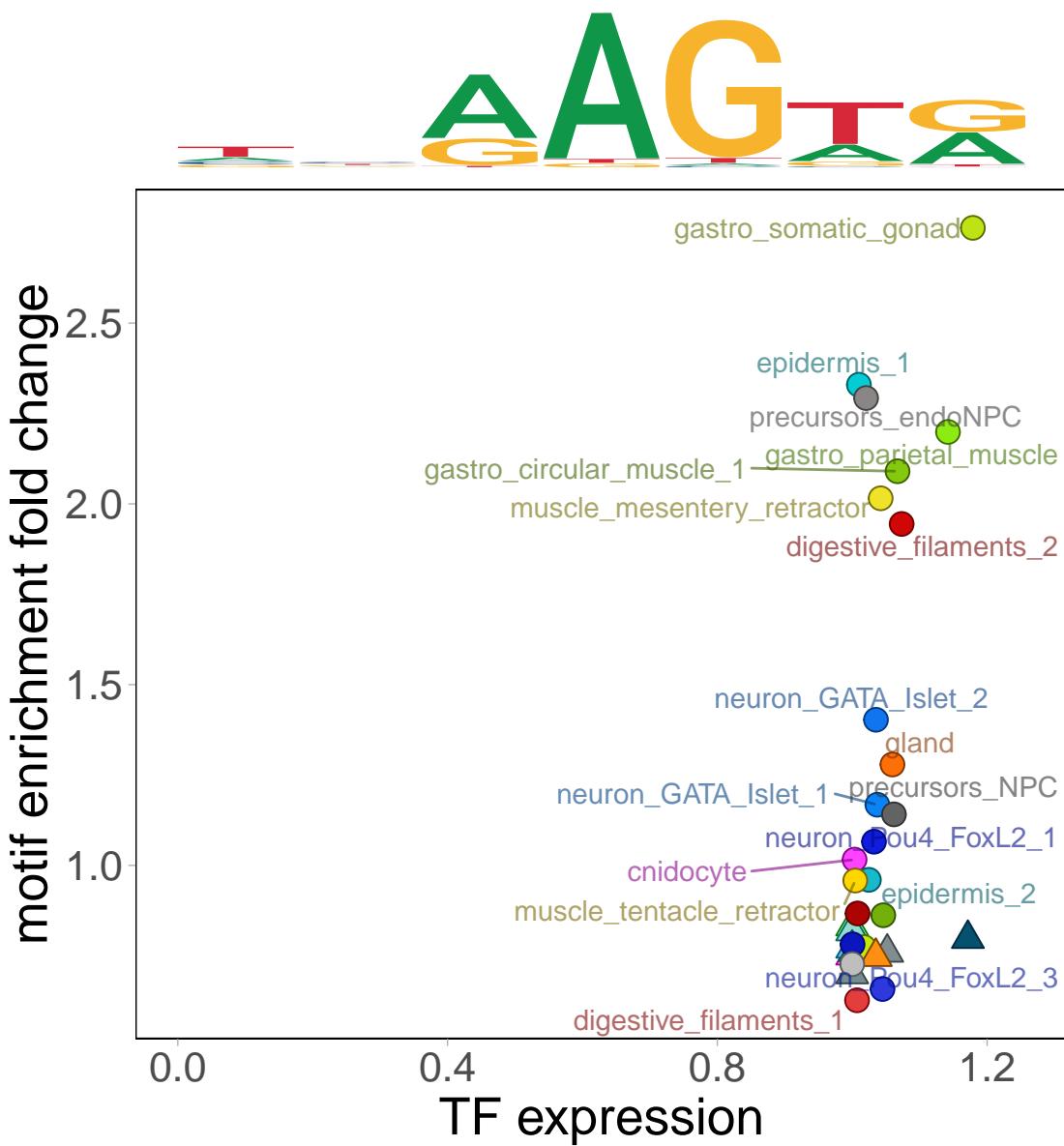
Nvec\_vc1.1\_XM\_001631607.3  
OG: SMAD\_MH1.HG1.5:like:SMAD1/SM  
PFAM: MH1/MH2  
motif: ARCH733\_Smad2/Smad3\_Smad  
TF family: SMAD\_MH1  
archetype family: SMAD\_MH1  
CisBP assigned: TRUE  
rank: 125  
gene expression correlation: -0.2170  
gene score correlation: 0.1088



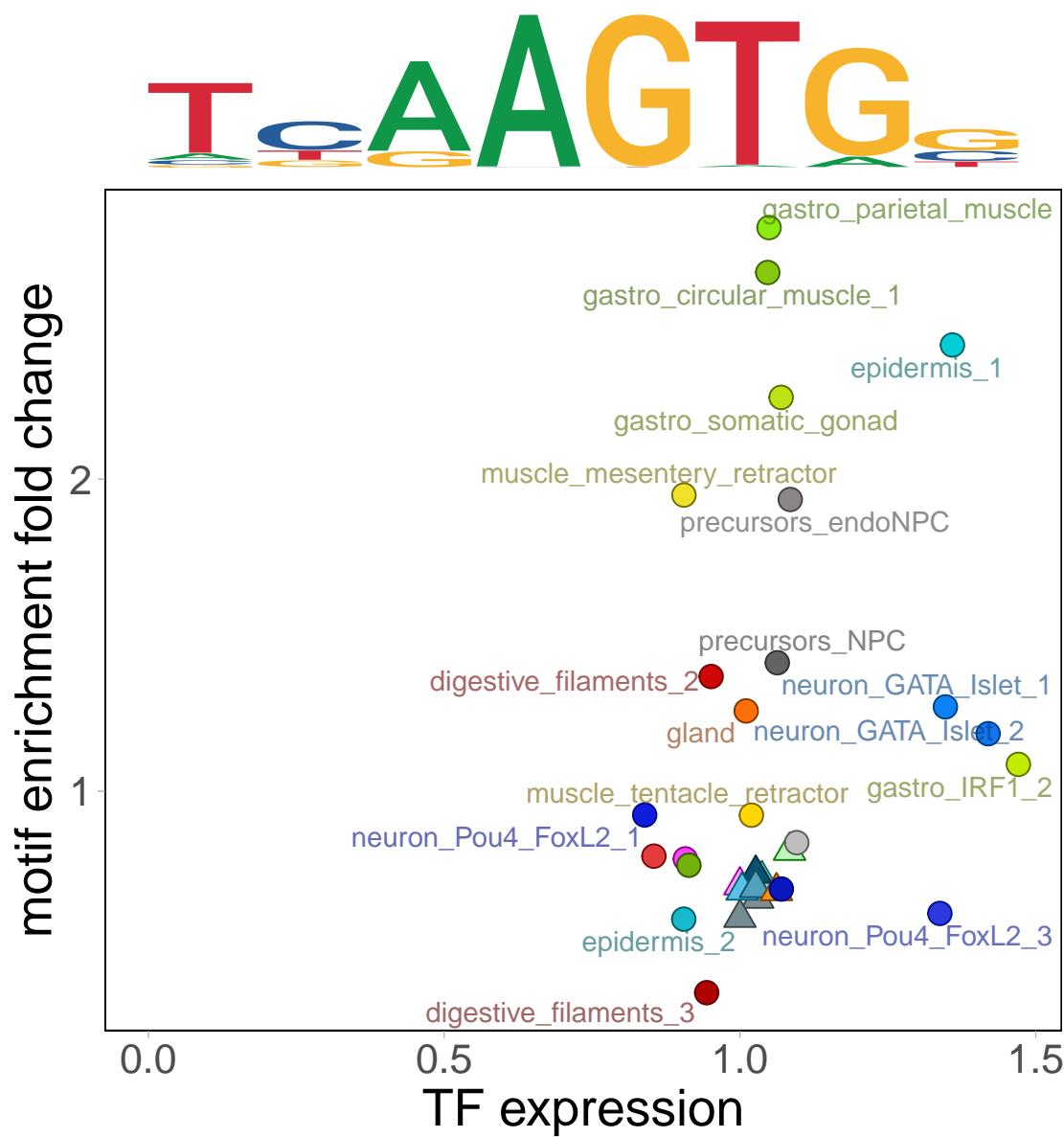
Nvec\_vc1.1\_XM\_001631673.3  
OG: Homeodomains.HG2.20:LHX1/LHX  
PFAM: LIM/LIM/Homeodomain  
motif: ARCH52\_Alx3/Alx4/Alx1\_Barx2...  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 12  
gene expression correlation: 0.5503  
gene score correlation: 0.5937



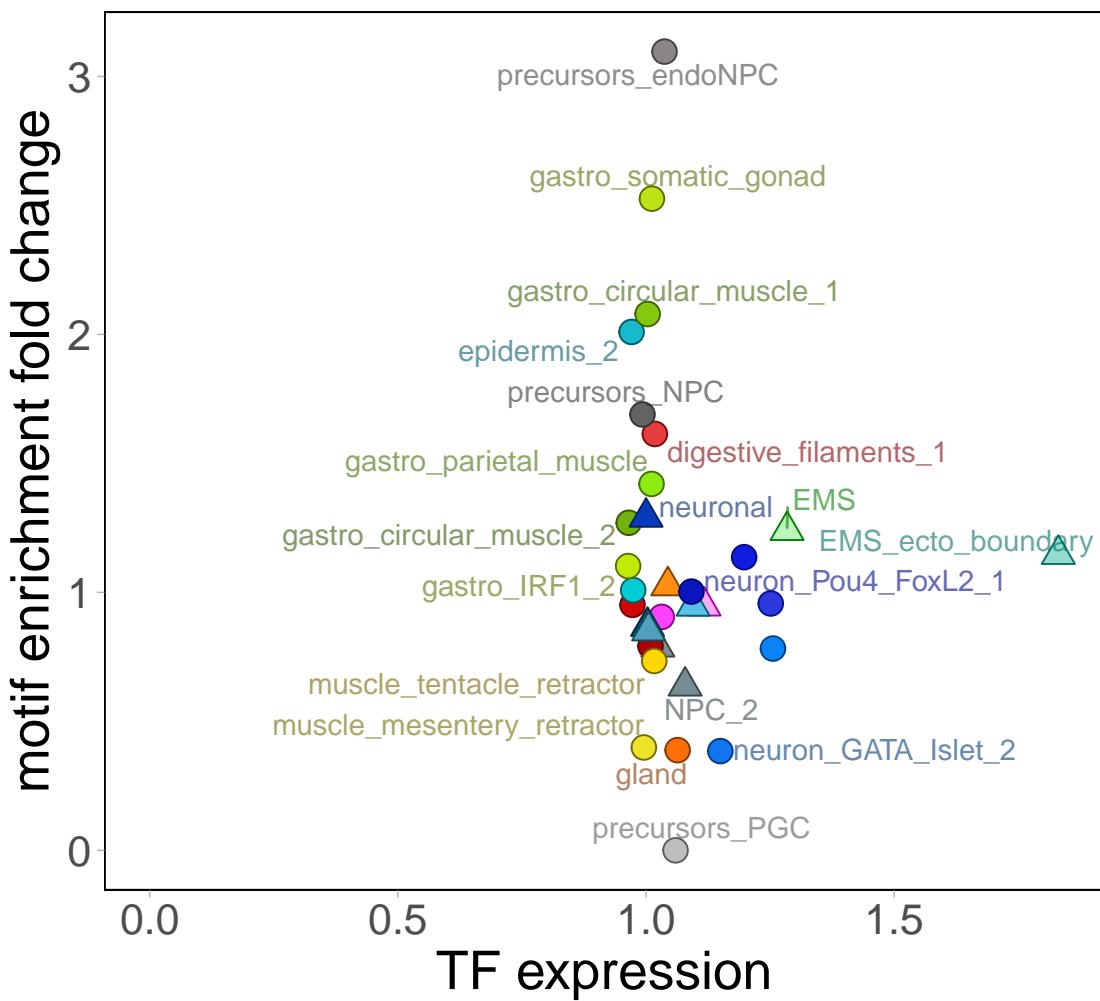
Nvec\_vc1.1\_XM\_001632367.3  
OG: Homeodomains.HG1.19:NKX2-1/N  
PFAM: Homeodomain  
motif: ARCH167\_Nanog  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 2  
gene expression correlation: 0.5088  
gene score correlation: 0.4526



Nvec\_vc1.1\_XM\_001632368.2  
OG: Homeodomains.HG1.19:NKX2-1/N  
PFAM: Homeodomain  
motif: ARCH1520\_Nkx2-2/Nkx2-9  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: TRUE  
rank: 1  
gene expression correlation: 0.1980  
gene score correlation: 0.7167



Nvec\_vc1.1\_XM\_001632824.3  
OG: T-box.HG1.13:TBX1/TBX10/TBX1  
PFAM: T-box  
motif: M03569\_2.00  
TF family: T-box  
archetype family: T-box  
CisBP assigned: TRUE  
rank: 0  
gene expression correlation: -0.1065  
gene score correlation: 0.4701



Nvec\_vc1.1\_XM\_001632826.3

OG: HLH.HG1.67:HAND1/HAND2

PFAM: HLH

motif: ARCH1068\_bHLH122

TF family: HLH

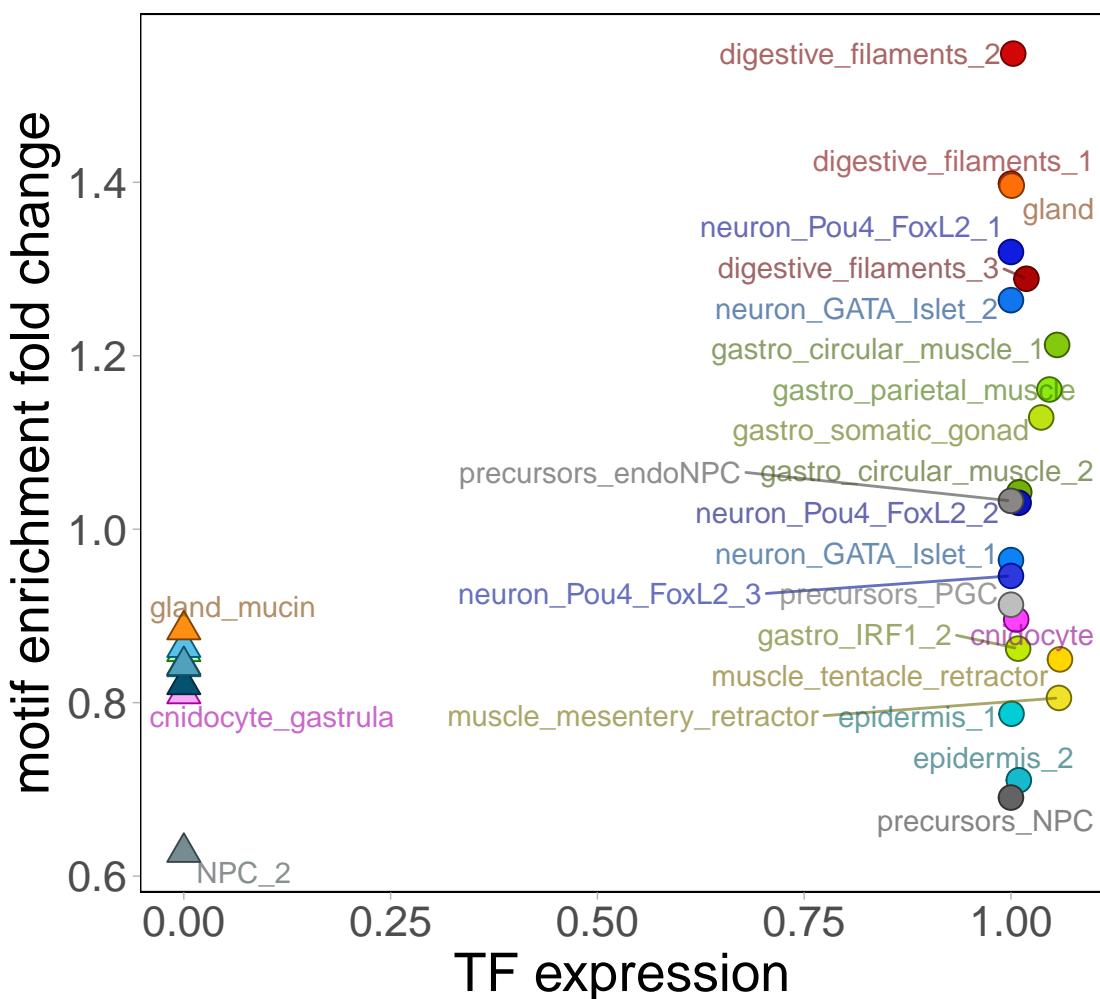
archetype family: HLH

CisBP assigned: FALSE

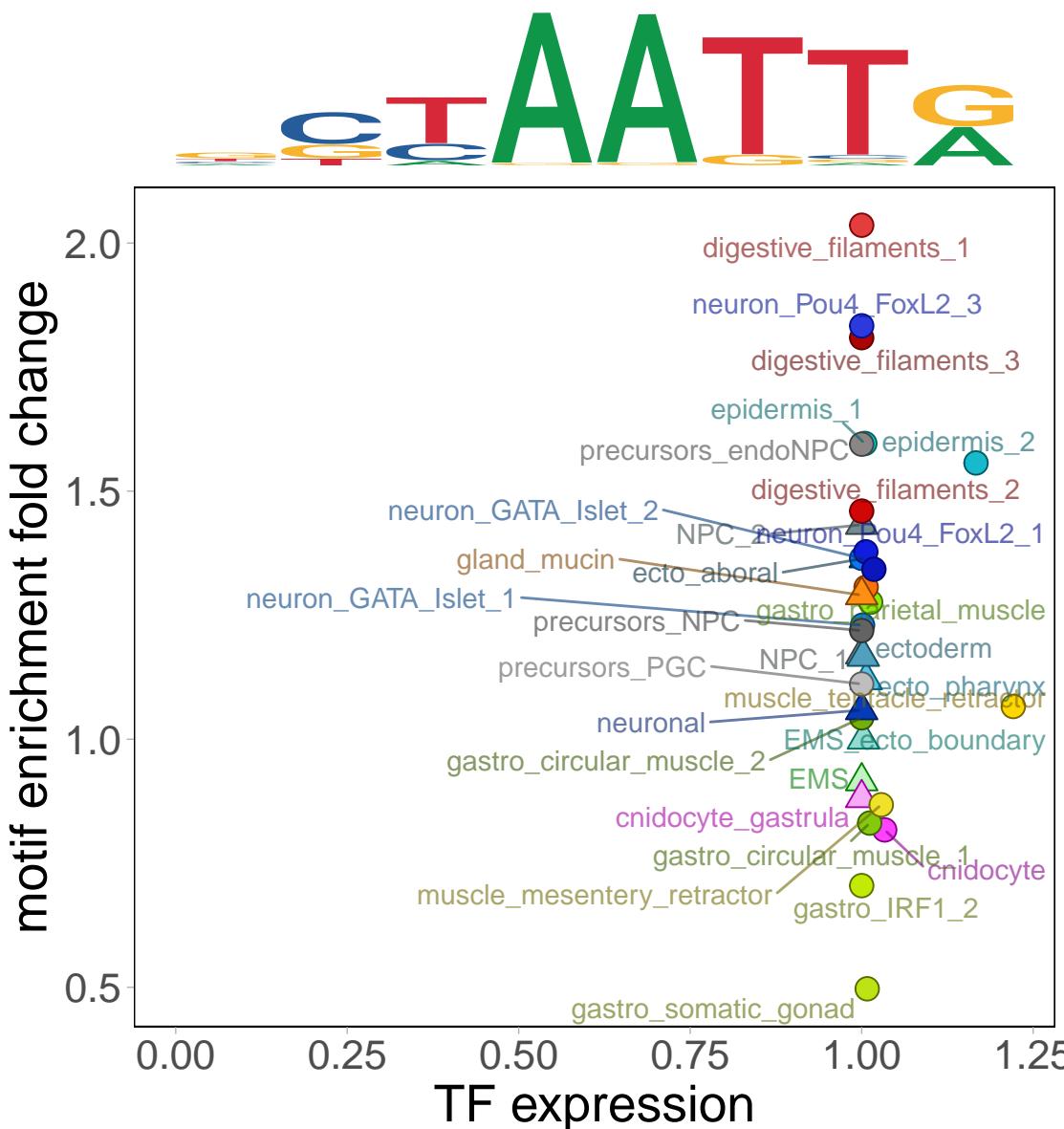
rank: 138

gene expression correlation: 0.4636

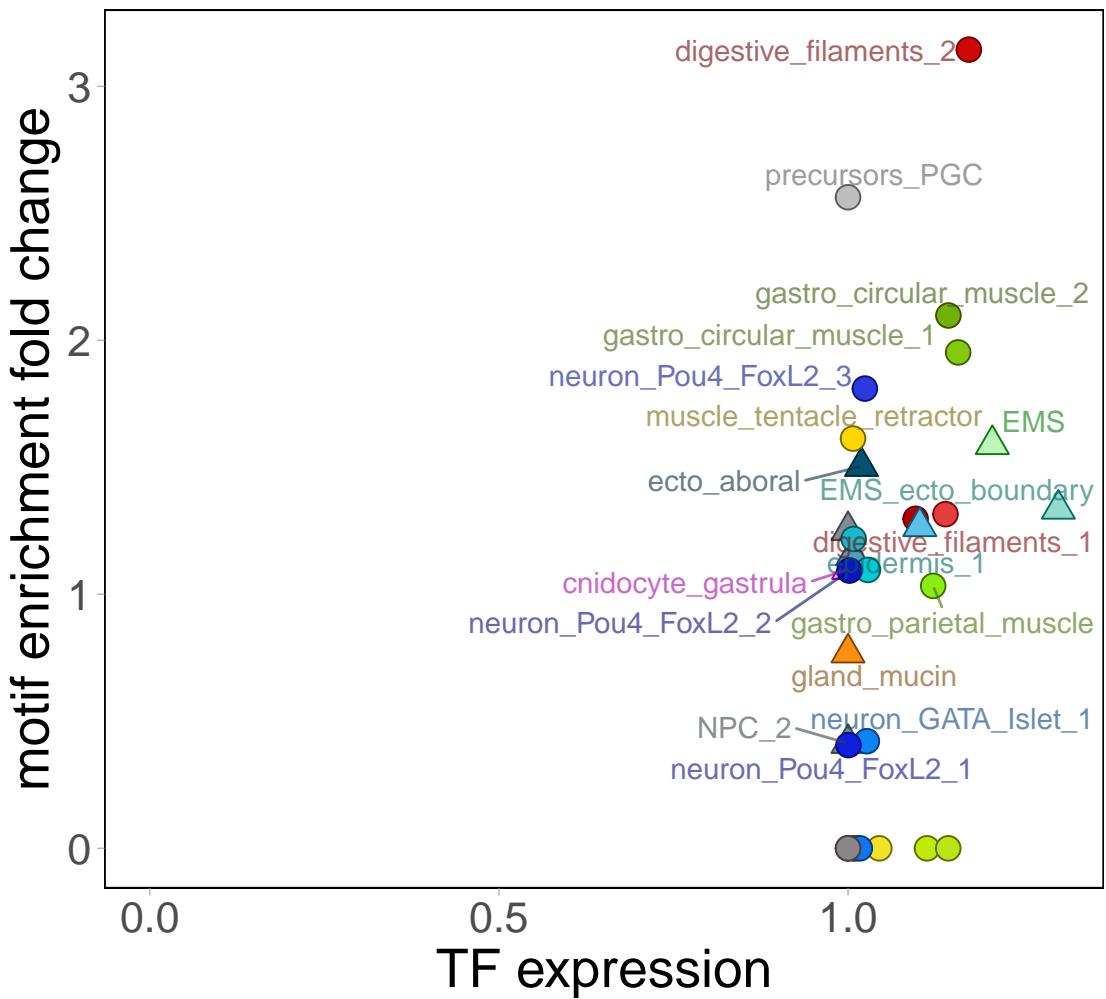
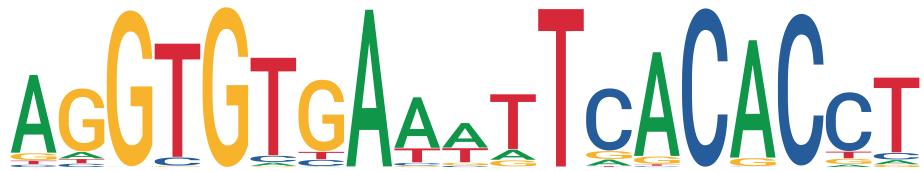
gene score correlation: -0.0259



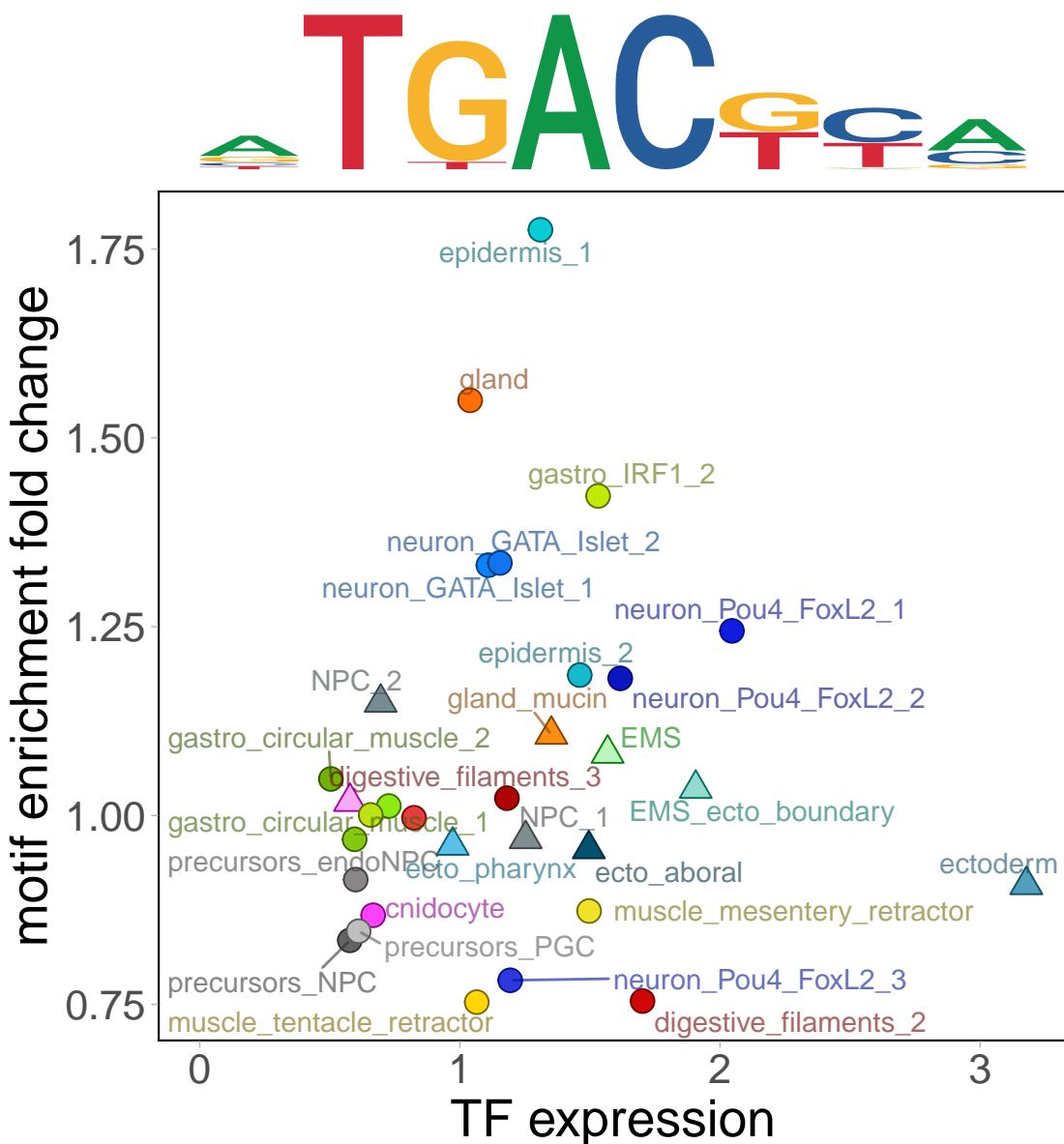
Nvec\_vc1.1\_XM\_001632929.3  
OG: Homeodomains.HG2.41:SHOX/S  
PFAM: Homeodomain  
motif: Shox2\_241030\_homer  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.0223  
gene score correlation: 0.0530



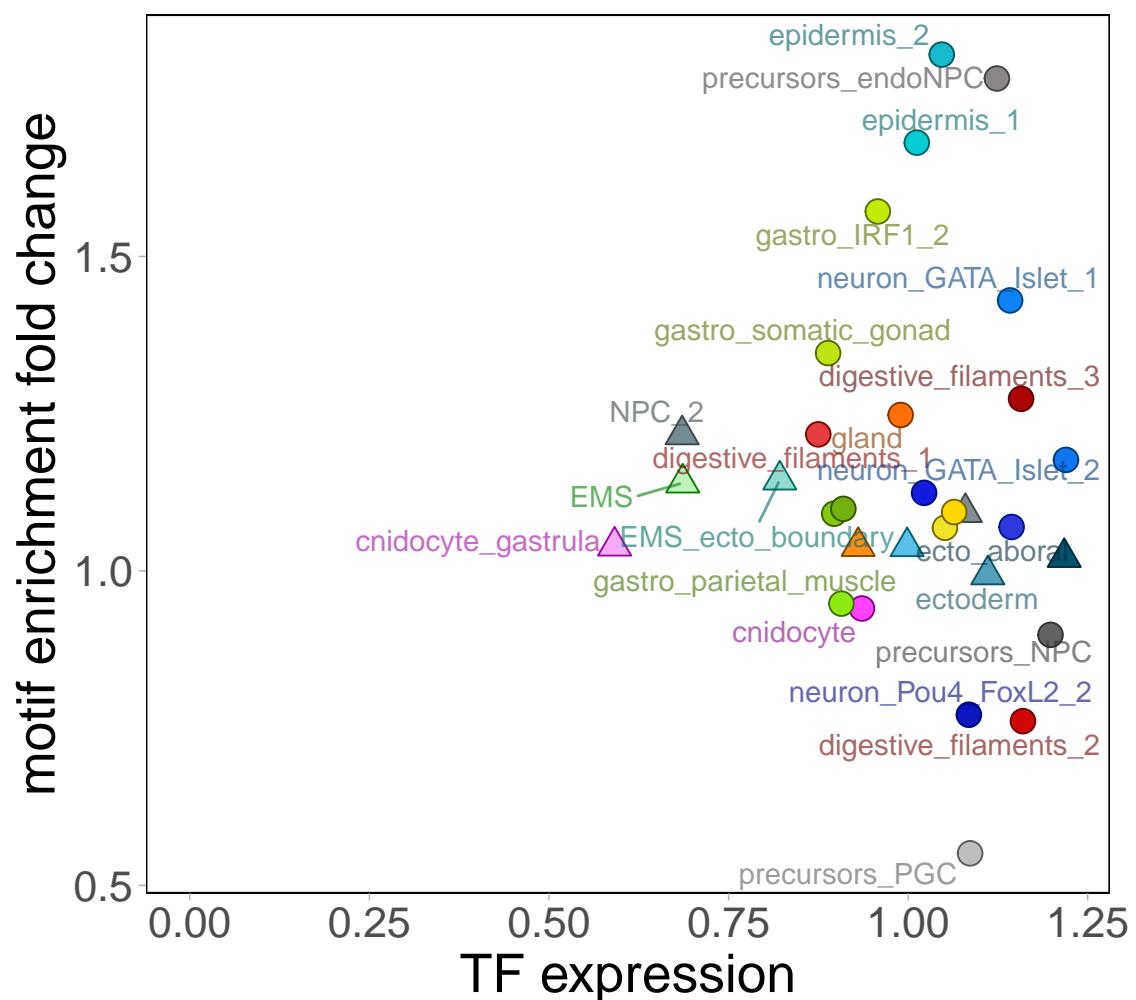
Nvec\_vc1.1\_XM\_001633156.3  
OG: T-box.HG1.1:like:MGA/TBX1/TBX2  
PFAM: T-box  
motif: ARCH839\_Tbx10/Tbx1\_Tbx18/Tbx19  
TF family: T-box  
archetype family: T-box  
CisBP assigned: FALSE  
rank: 120  
gene expression correlation: 0.3433  
gene score correlation: 0.2863



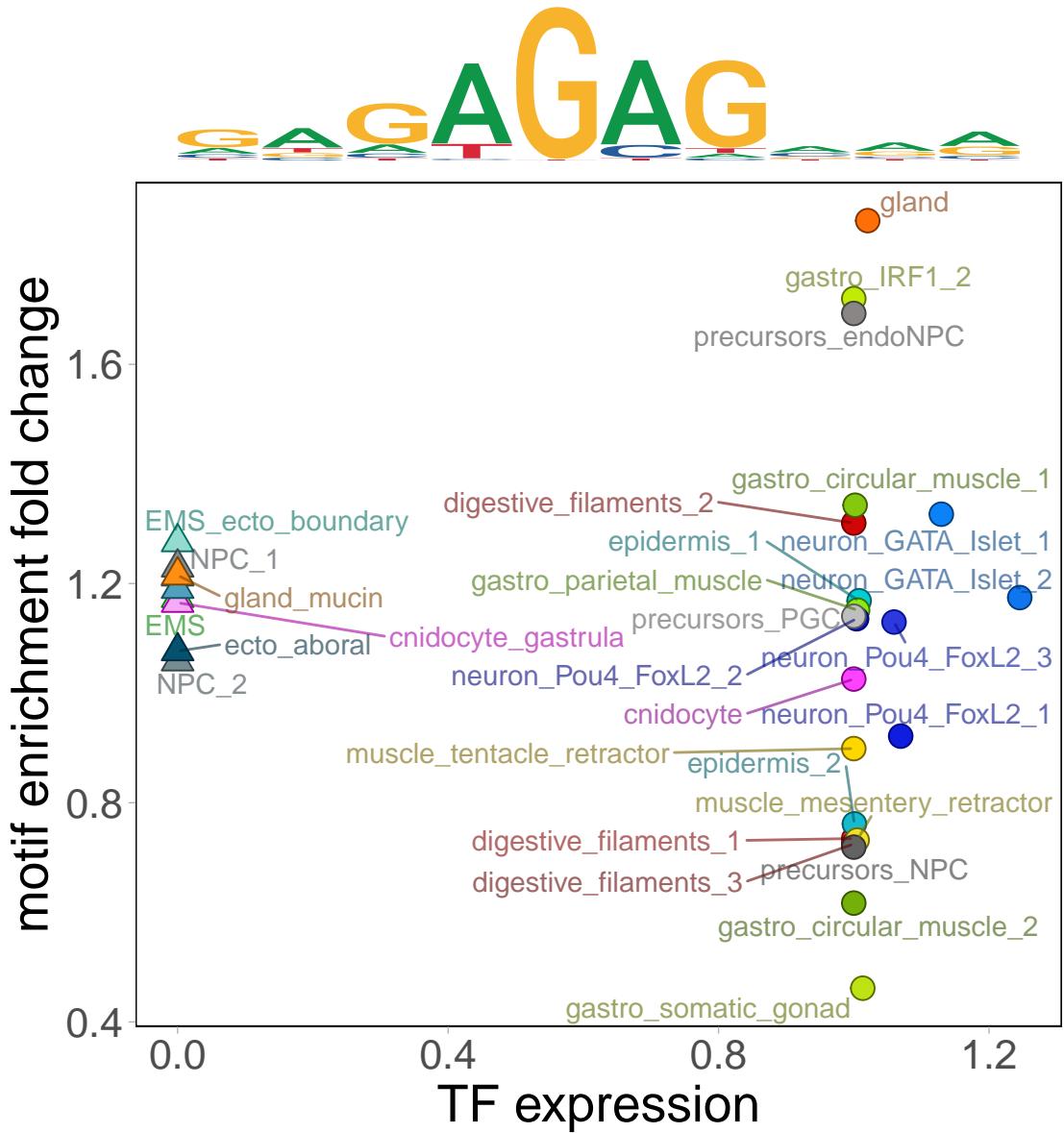
Nvec\_vc1.1\_XM\_001633273.3  
OG: bZIP.HG1.17:ATF3/JDP2  
PFAM: bZIP\_1  
motif: ARCH1611\_Fos/Fosb/Fosl1/Fosl2  
TF family: bZIP  
archetype family: bZIP  
CisBP assigned: TRUE  
rank: 1  
gene expression correlation: 0.1056  
gene score correlation: 0.3828



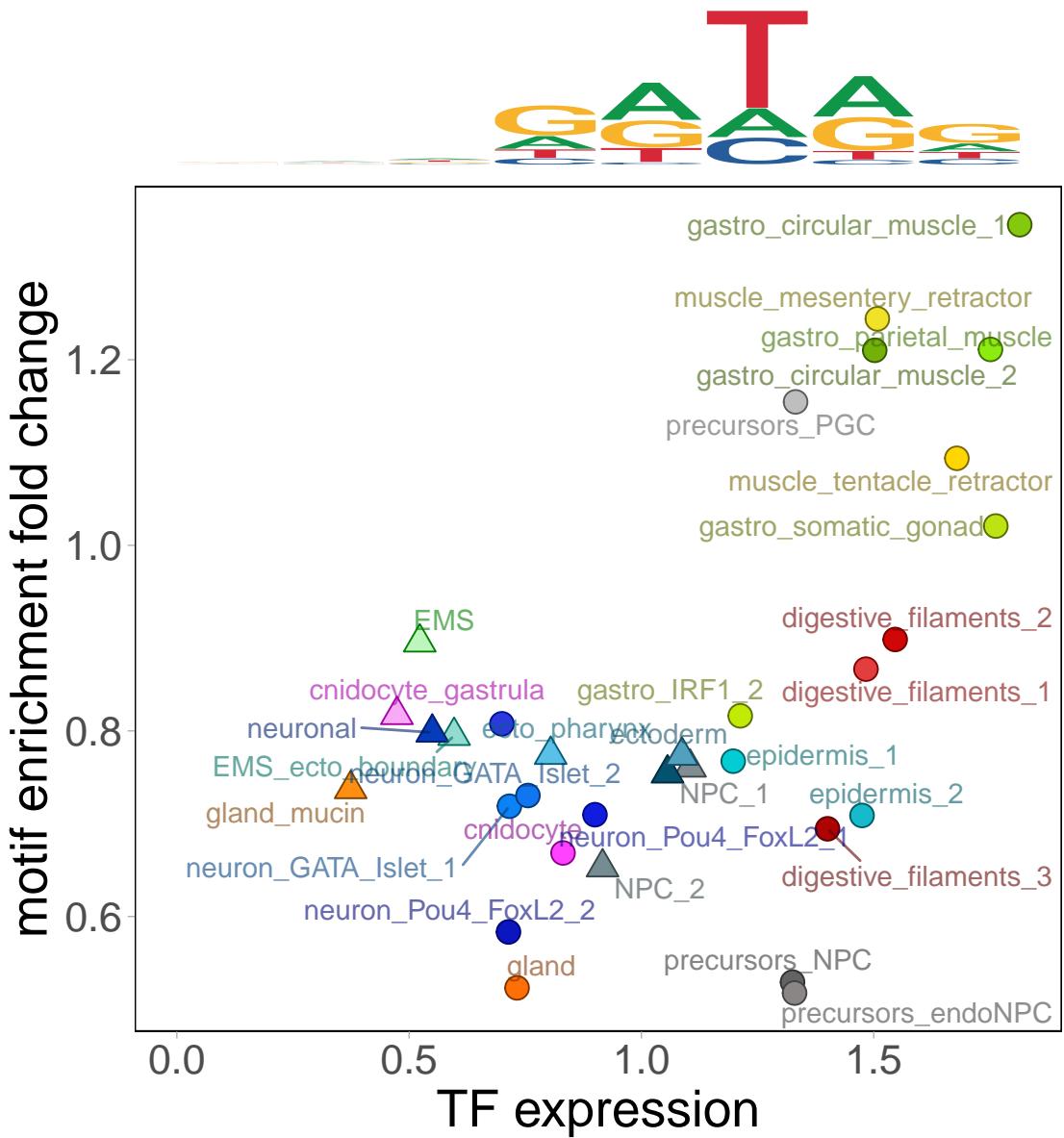
Nvec\_vc1.1\_XM\_001633393.3  
OG: bZIP.HG1.18:ATF1/CREB1/CREM  
PFAM: pKID/bZIP\_1  
motif: ARCH1485\_Atf3/Jdp2\_Fos/Fosb.  
TF family: bZIP  
archetype family: bZIP  
CisBP assigned: FALSE  
rank: 31  
gene expression correlation: -0.0409  
gene score correlation: 0.1306



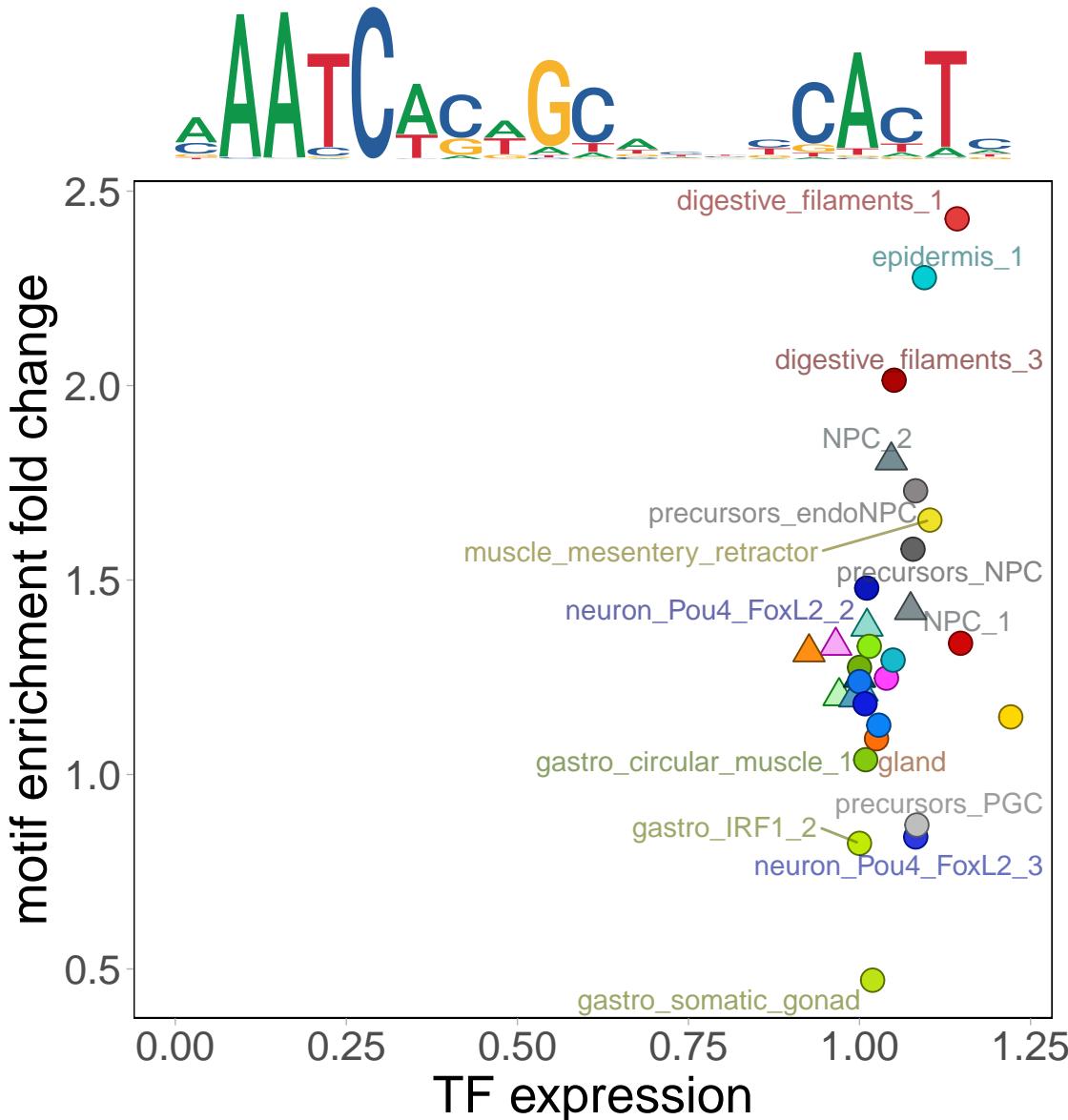
Nvec\_vc1.1\_XM\_001633398.3  
OG: zf-C2H2.HG19.1:PRDM14  
PFAM: zf-H2C2\_2/zf-C2H2  
motif: ARCH743\_BPC1\_M06113\_2.00  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 83  
gene expression correlation: -0.1305  
gene score correlation: 0.2508



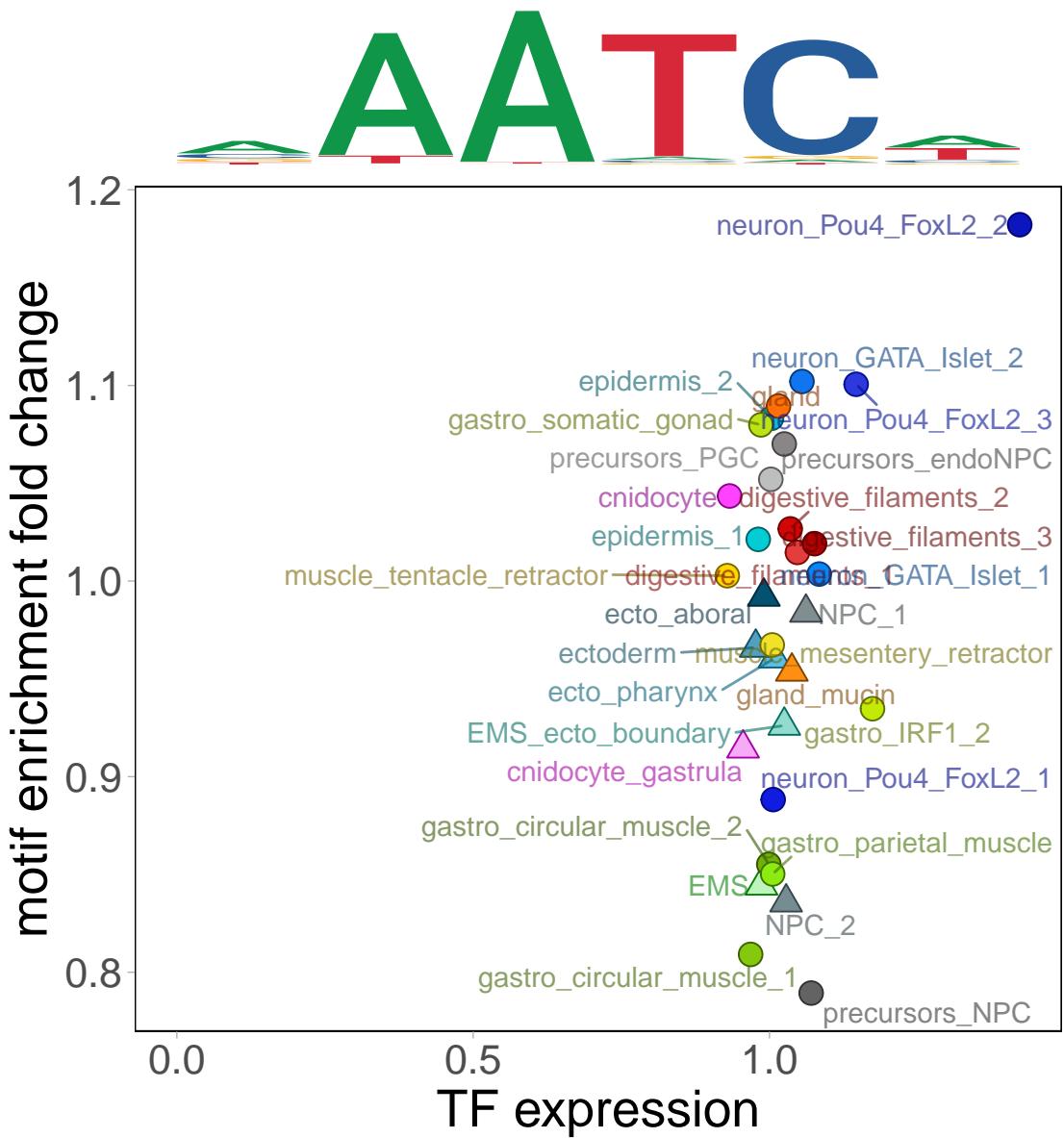
Nvec\_vc1.1\_XM\_001633482.3  
OG: CSD.HG1.6:YBX1/YBX2/YBX3  
PFAM: CSD  
motif: M01207\_2.00  
TF family: CSD  
archetype family: CSD  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.5606  
gene score correlation: -0.3401



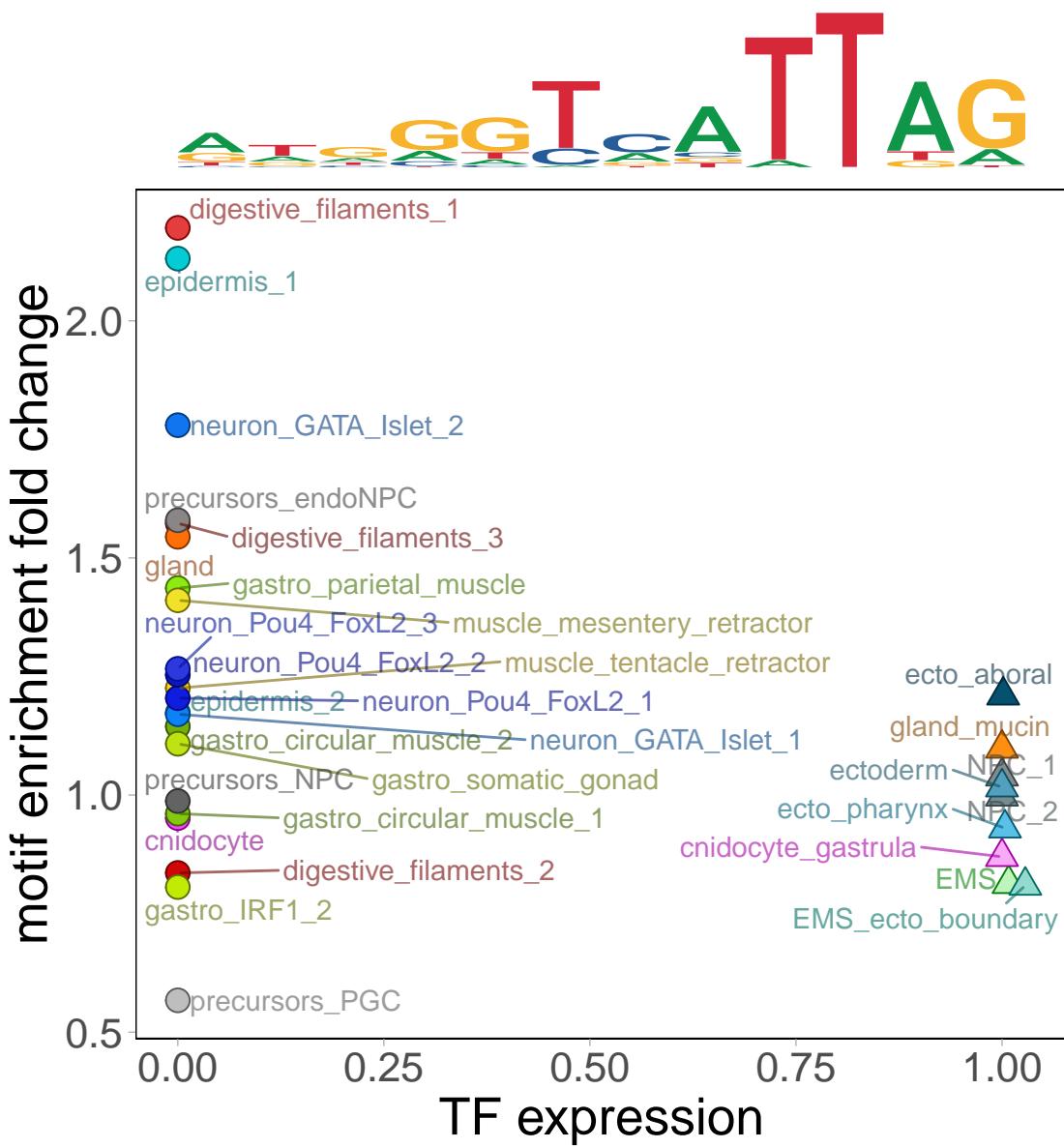
Nvec\_vc1.1\_XM\_001633504.3  
OG: zf-C2H2.HG10.1:ZFP3/ZNF319/Z  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: ARCH1345\_Gfi1b/Gfi1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 944  
gene expression correlation: 0.3196  
gene score correlation: -0.1007



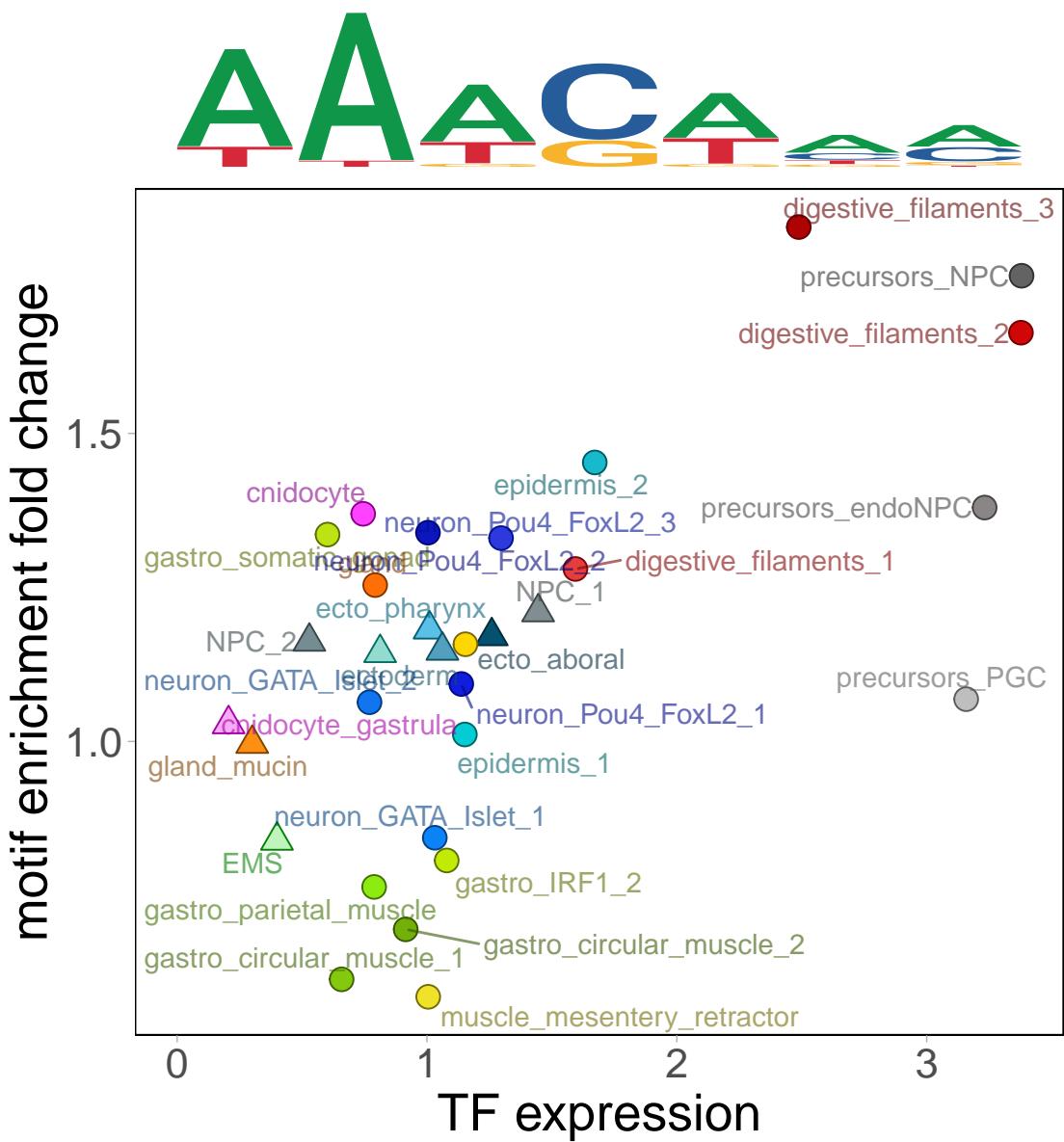
Nvec\_vc1.1\_XM\_001633508.3  
OG: zf-C2H2.HG1.3:ZBTB3  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH1200\_Zfp760/Zfp770  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 475  
gene expression correlation: 0.3684  
gene score correlation: 0.2446



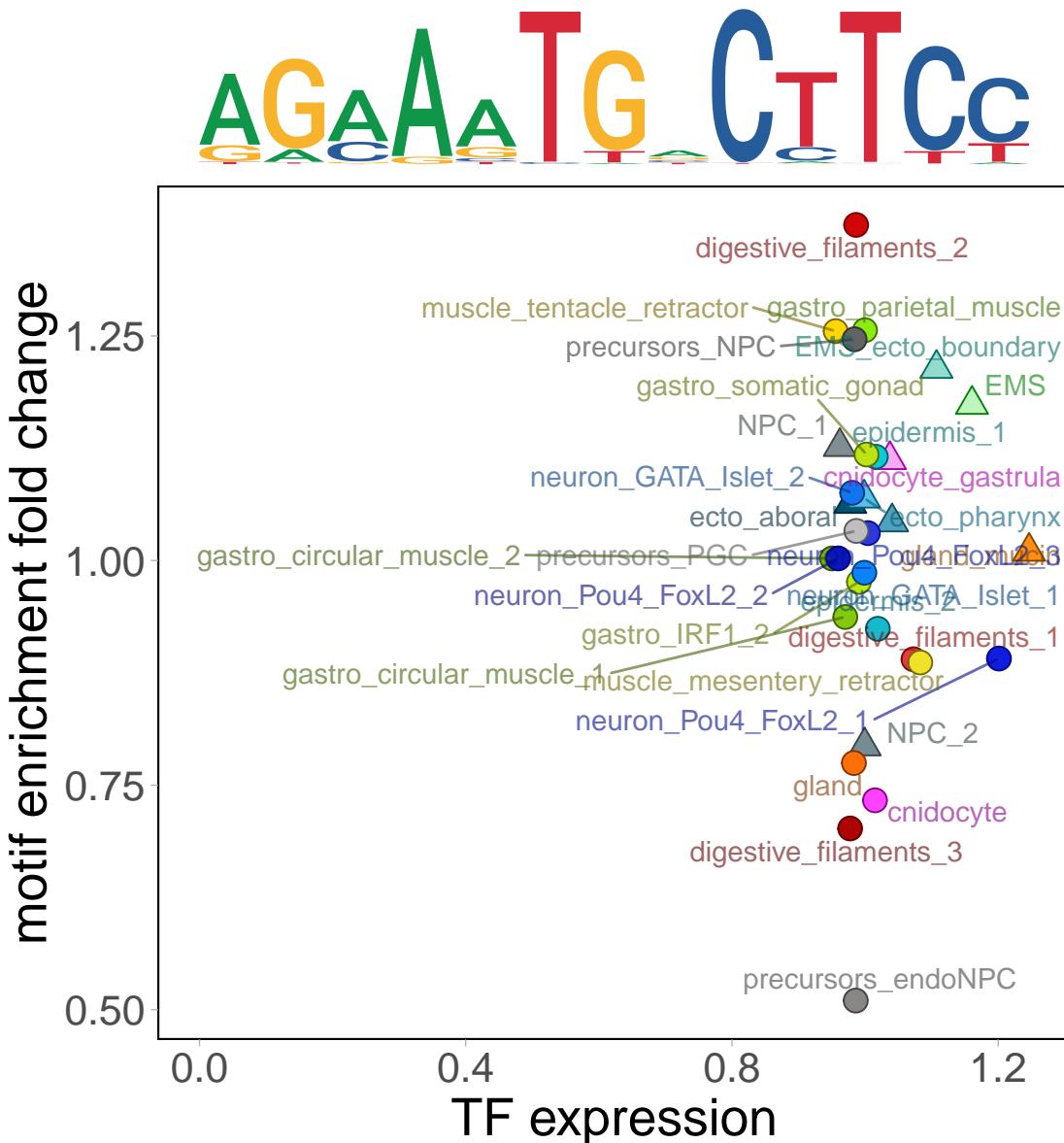
Nvec\_vc1.1\_XM\_001633541.3  
OG: Homeodomains.HG3.5:like:IRX1/IR  
PFAM: SIX1\_SD/Homeobox\_KN  
motif: ARCH273\_HOXD3  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 57  
gene expression correlation: -0.3858  
gene score correlation: -0.3881



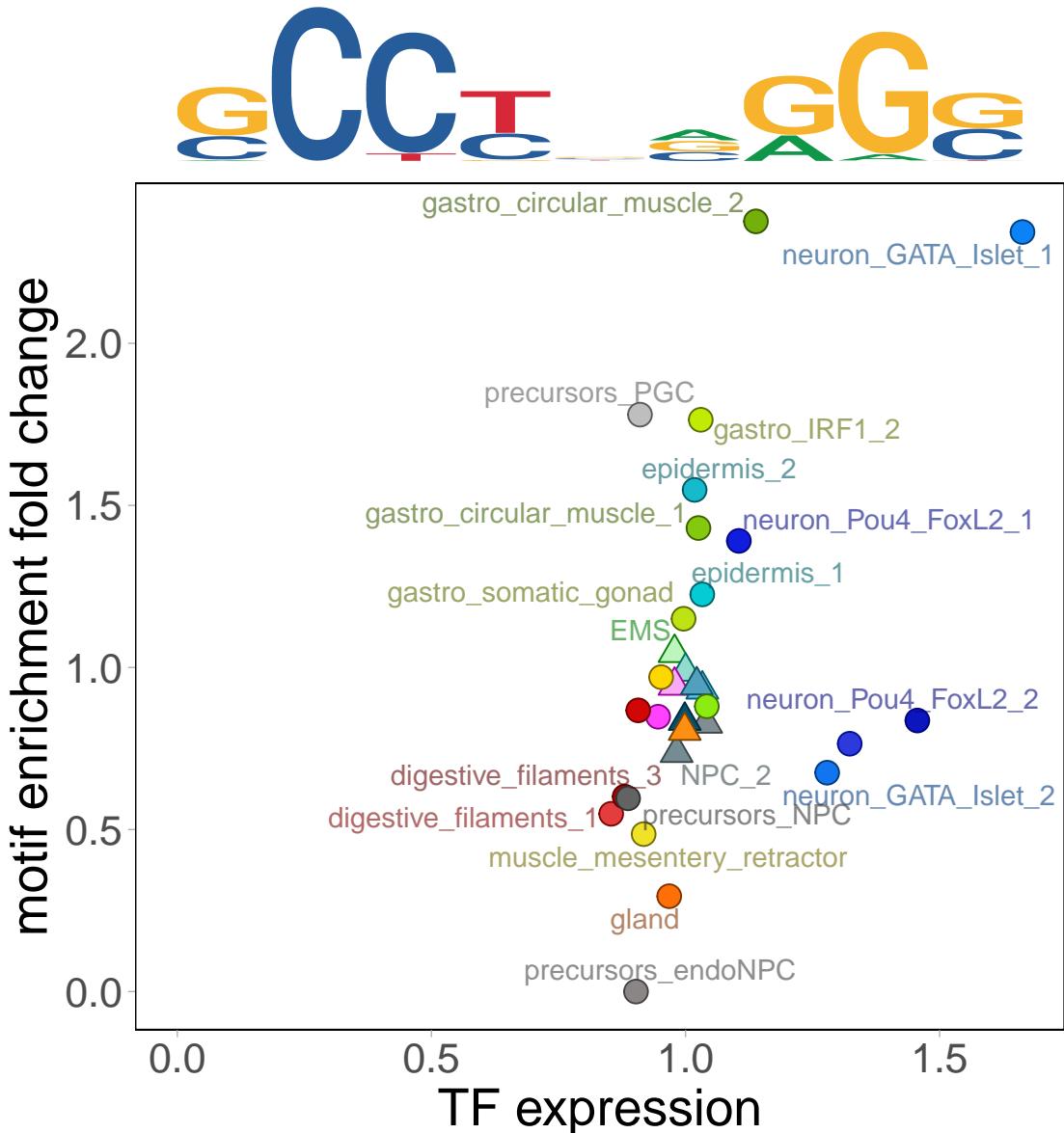
Nvec\_vc1.1\_XM\_001633762.3  
OG: HMGbox\_Sox.HG1.37:like:SSRP1  
PFAM: HMG\_box/HMG\_box  
motif: ARCH1177\_Sox4/Sox11\_Sox13/  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: FALSE  
rank: 27  
gene expression correlation: 0.6005  
gene score correlation: 0.5407



Nvec\_vc1.1\_XM\_001633772.3  
OG: zf-C2H2.HG4.1:like:GLI1/GLI2/GL  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: ARCH1274\_ZNF528  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 46  
gene expression correlation: 0.0020  
gene score correlation: -0.2754



Nvec\_vc1.1\_XM\_001633894.3  
OG: AP-2.HG1.0:TFAP2A/TFAP2B/TF  
PFAM: TF\_AP-2  
motif: ARCH387\_TFAP2E  
TF family: AP2  
archetype family: AP2  
CisBP assigned: FALSE  
rank: 3  
gene expression correlation: 0.4295  
gene score correlation: 0.4936



Nvec\_vc1.1\_XM\_001633901.3

OG: T-box.HG1.11:TBX2/TBX3

PFAM: T-box

motif: ARCH484\_Tbx3/Tbx2

TF family: T-box

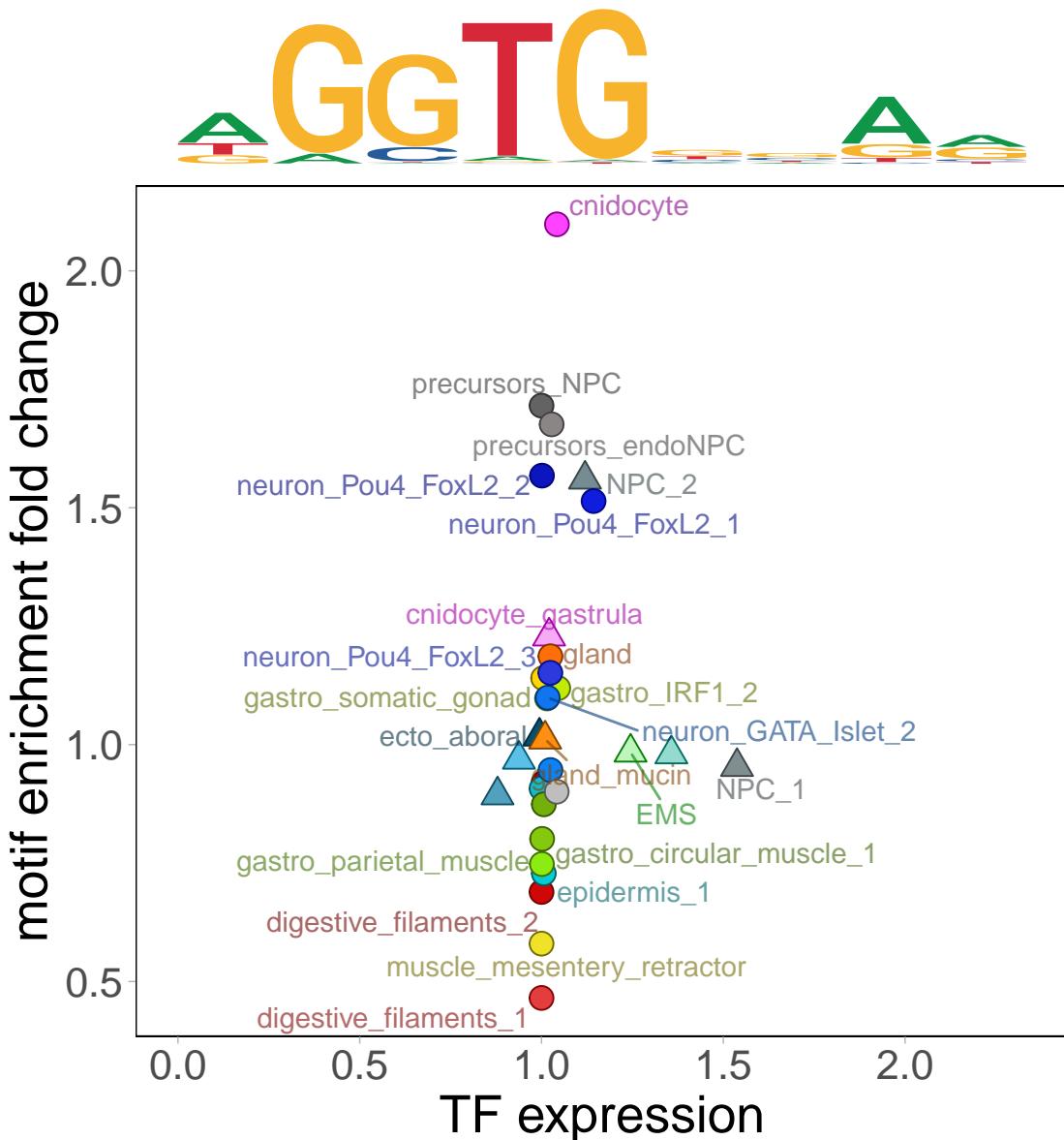
archetype family: T-box

CisBP assigned: TRUE

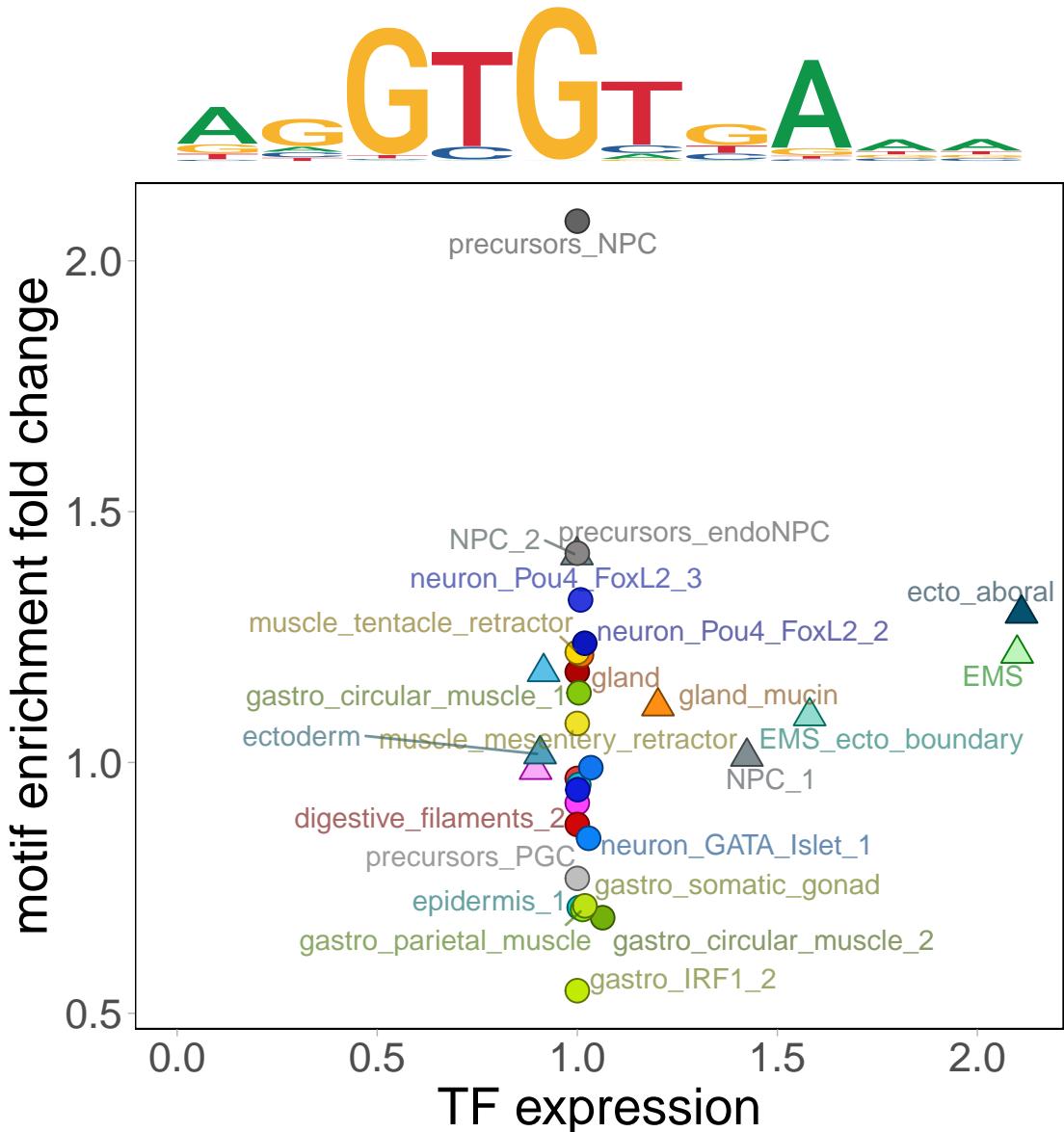
rank: 172

gene expression correlation: 0.0554

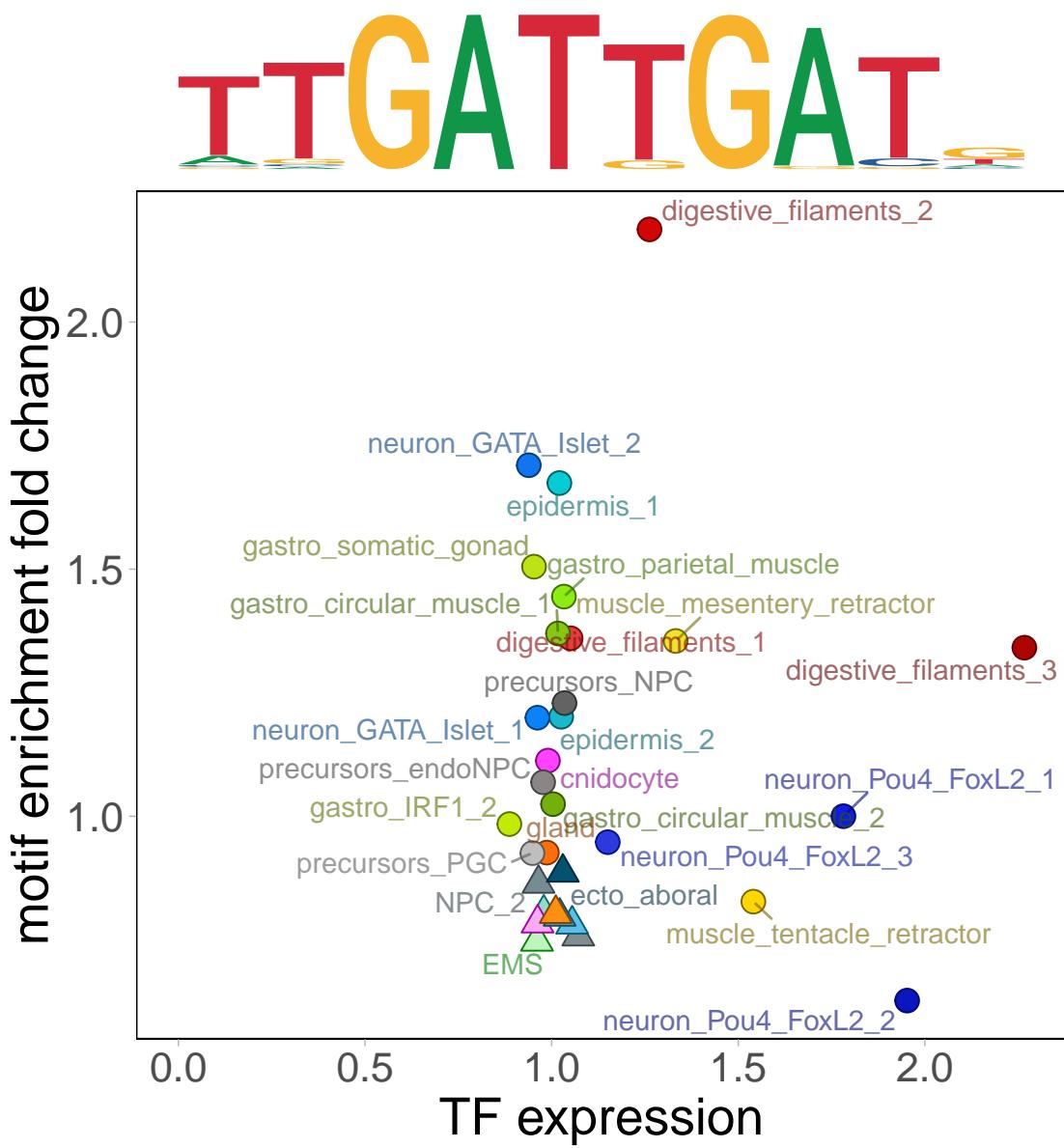
gene score correlation: 0.7555



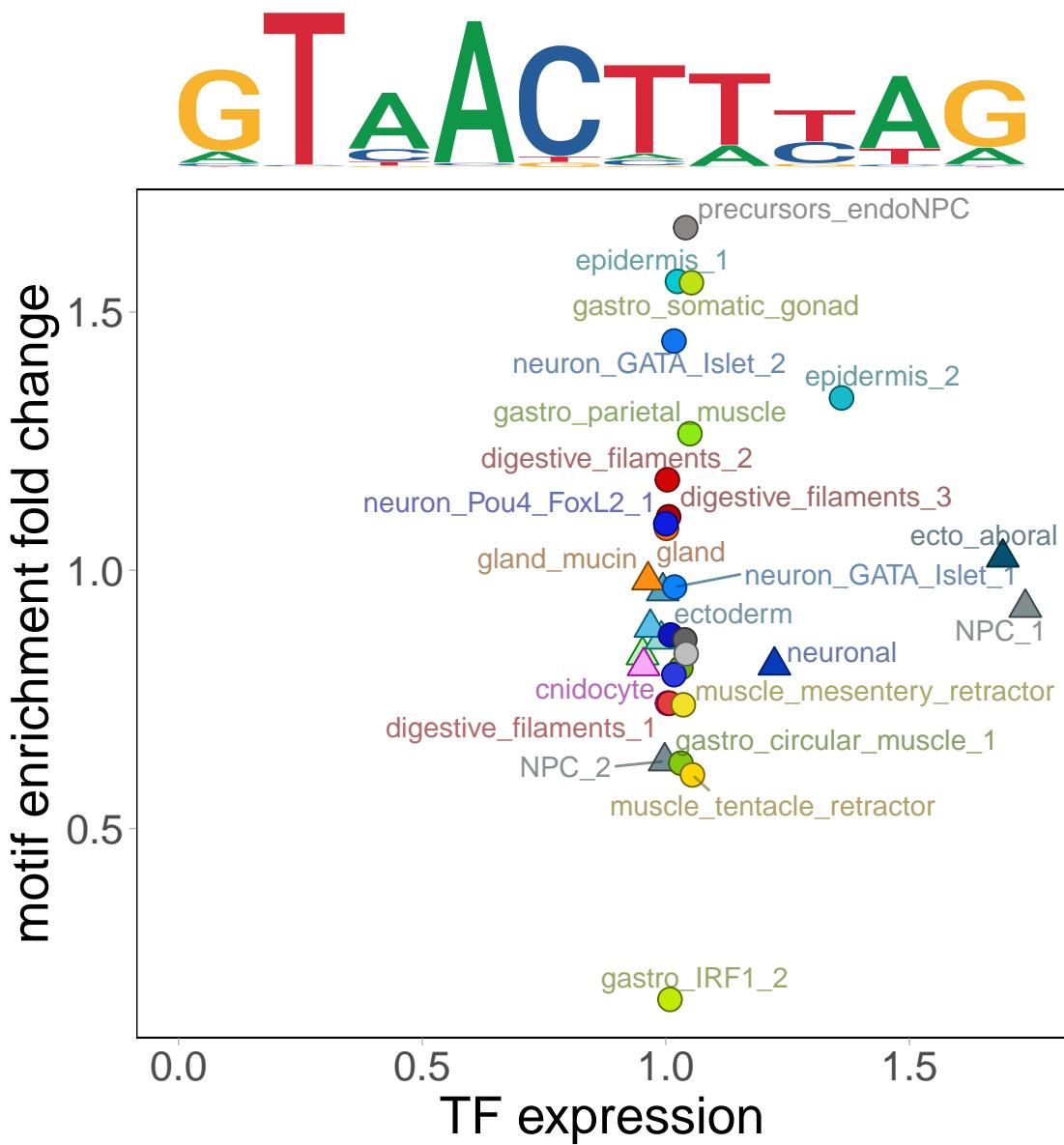
Nvec\_vc1.1\_XM\_001633902.3  
OG: T-box.HG1.12:TBX4/TBX5  
PFAM: T-box  
motif: ARCH837\_Tbx10/Tbx1\_Tbx18/Tbx19  
TF family: T-box  
archetype family: T-box  
CisBP assigned: FALSE  
rank: 63  
gene expression correlation: 0.1560  
gene score correlation: 0.2403



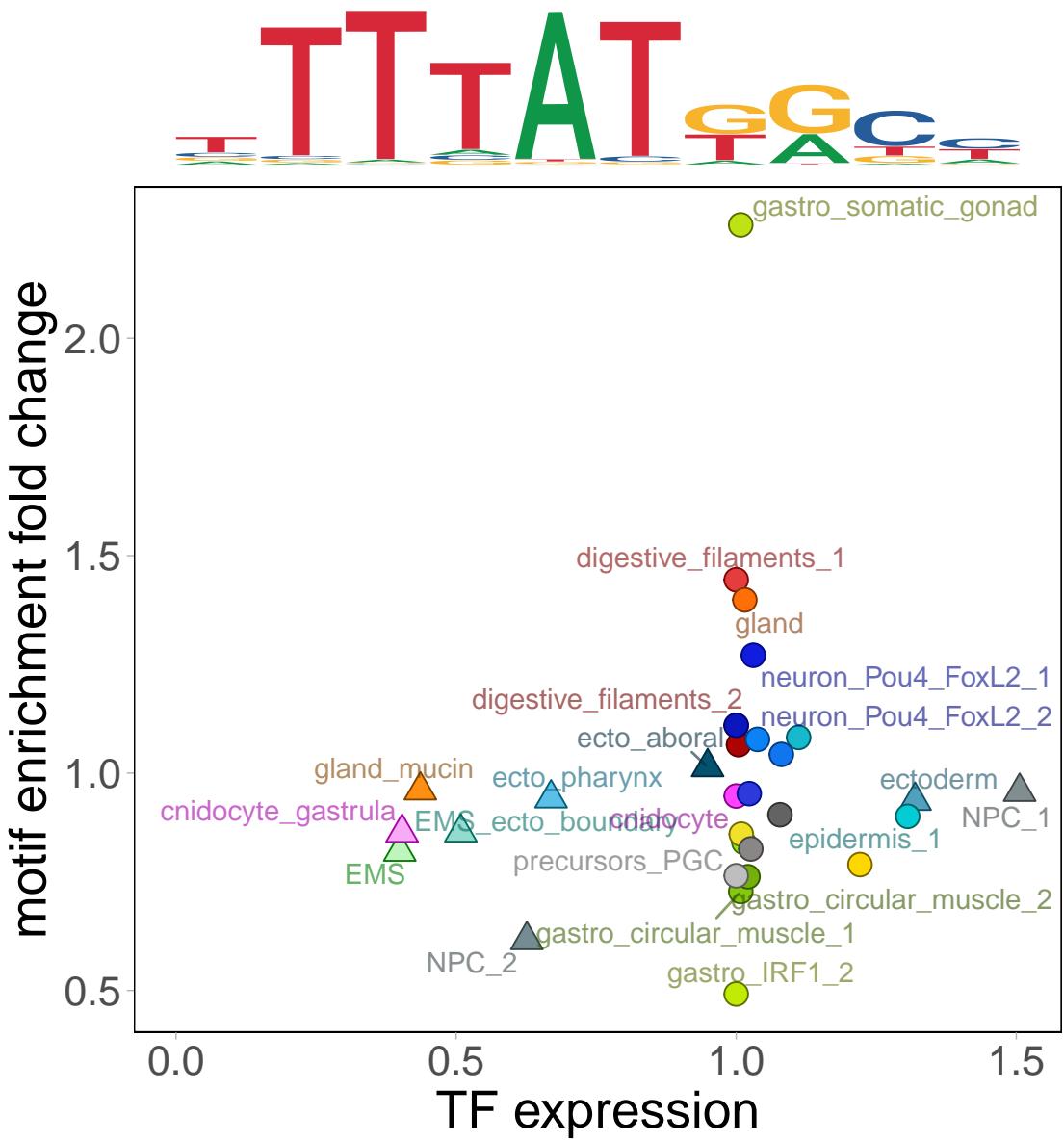
Nvec\_vc1.1\_XM\_001633995.3  
OG: Homeodomains.HG3.22:IRX1/IRX2  
PFAM: Homeobox\_KN  
motif: ARCH126\_Pbx4/Pbx2/Pbx1  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 35  
gene expression correlation: -0.0143  
gene score correlation: 0.1984



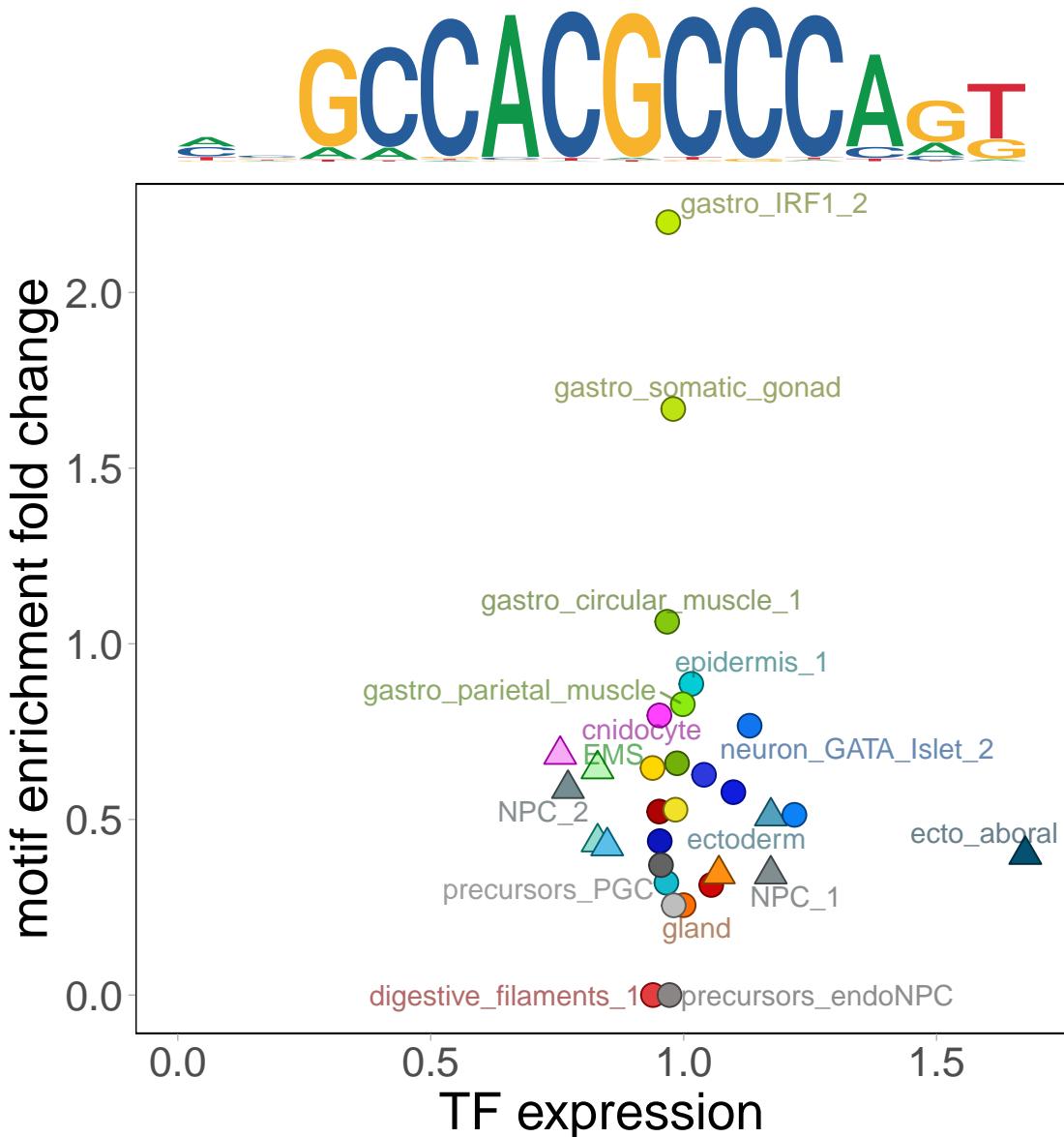
Nvec\_vc1.1\_XM\_001634111.3  
OG: Forkhead.HG1.1:FOXA1/FOXA2/FO  
PFAM: Forkhead  
motif: Nvec\_vc1.1\_XM\_001634111.3\_F  
TF family: Forkhead  
archetype family: Forkhead  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.0944  
gene score correlation: 0.0027



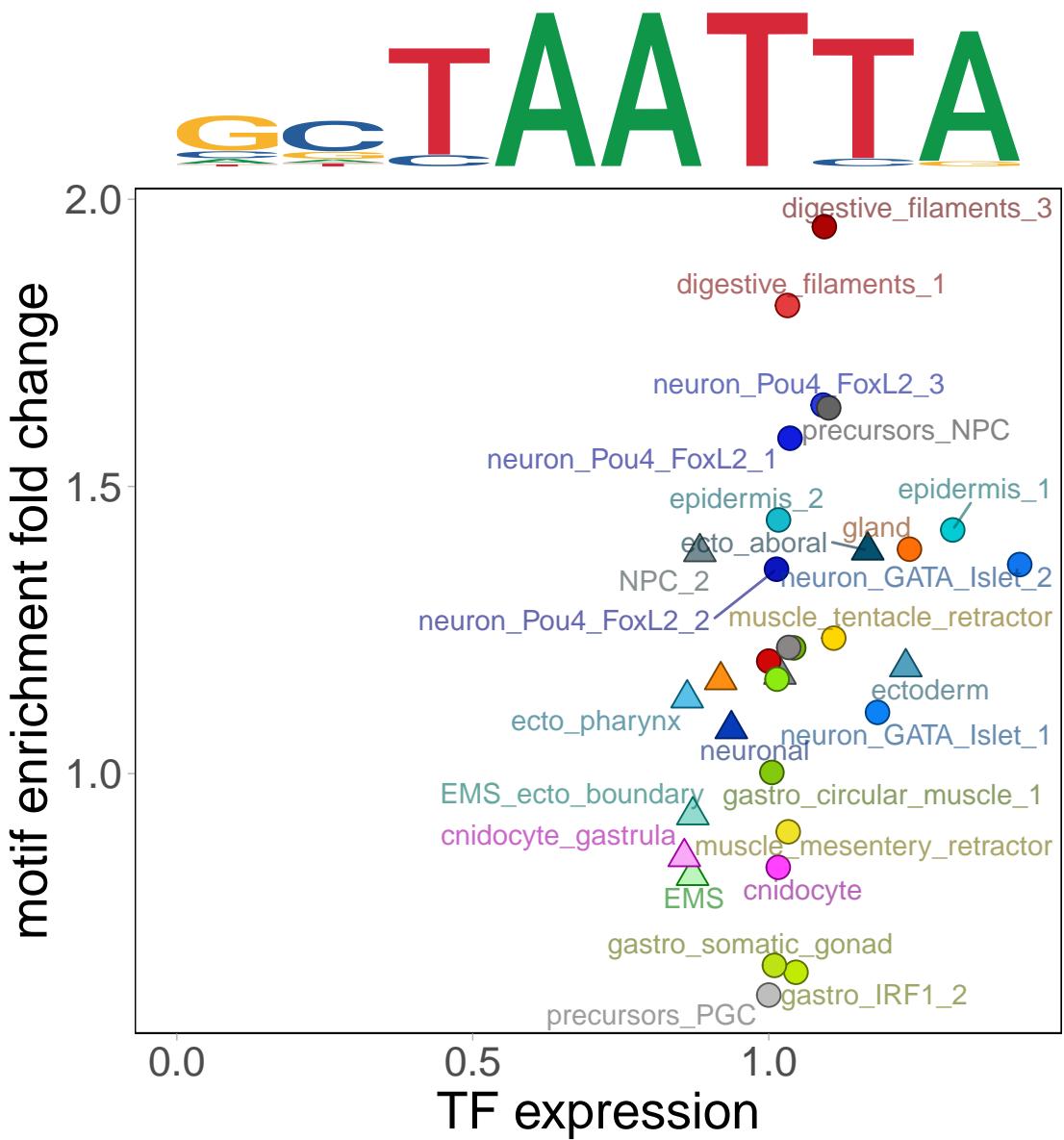
Nvec\_vc1.1\_XM\_001634116.3  
OG: Homeodomains.HG2.70:ARX  
PFAM: Homeodomain/OAR  
motif: ARCH1020\_Alx3/Alx4/AIx1\_Bar...  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: TRUE  
rank: 97  
gene expression correlation: 0.1346  
gene score correlation: -0.0719



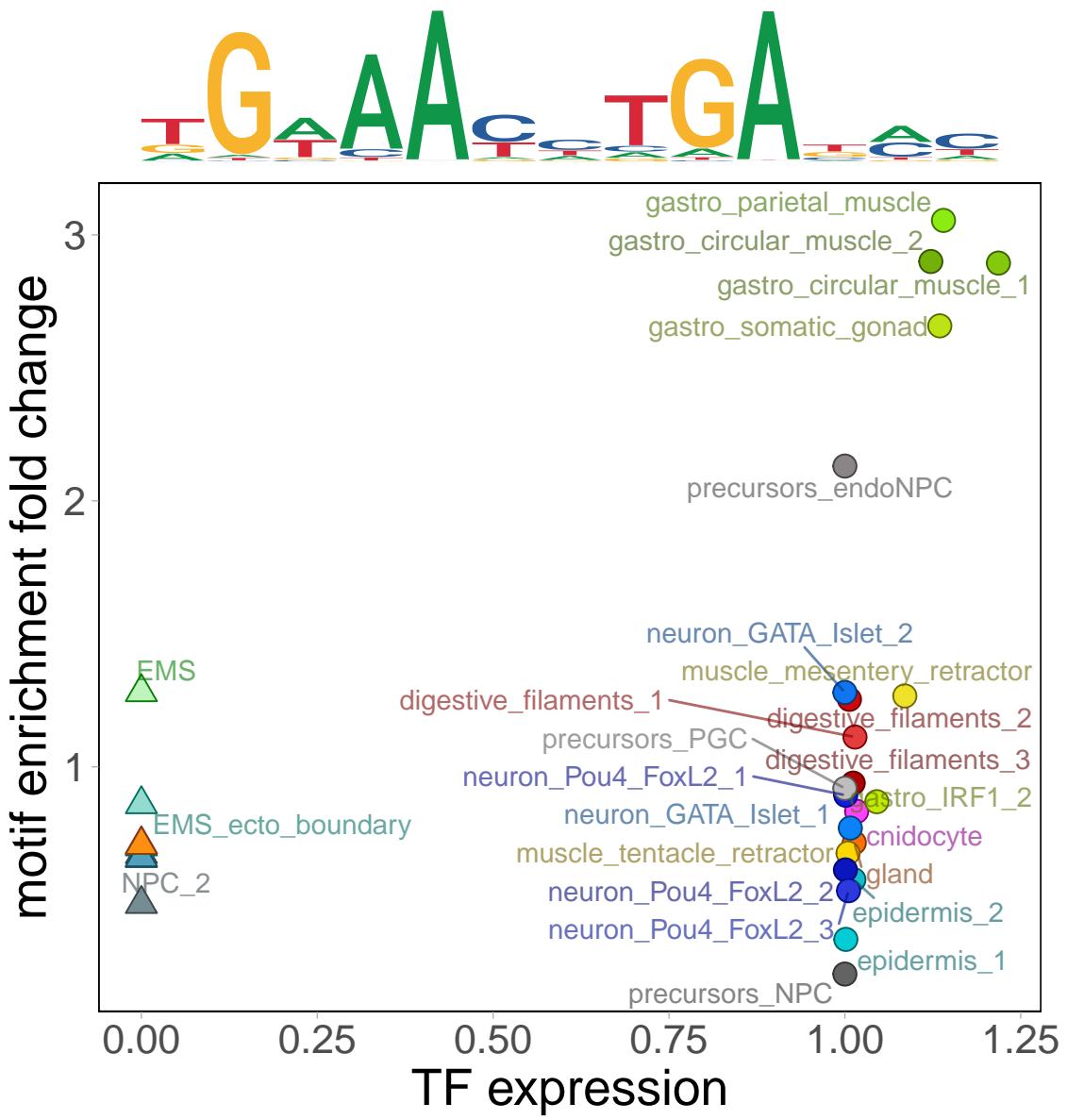
Nvec\_vc1.1\_XM\_001634132.3  
OG: zf-C2H2.HG2.14:SP1/SP2/SP3/SP4  
PFAM: zf-C2H2/zf-C2H2  
motif: ARCH405\_Sp6/Sp5\_Sp7/Sp8/Sp9  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: TRUE  
rank: 860  
gene expression correlation: -0.0938  
gene score correlation: -0.1602



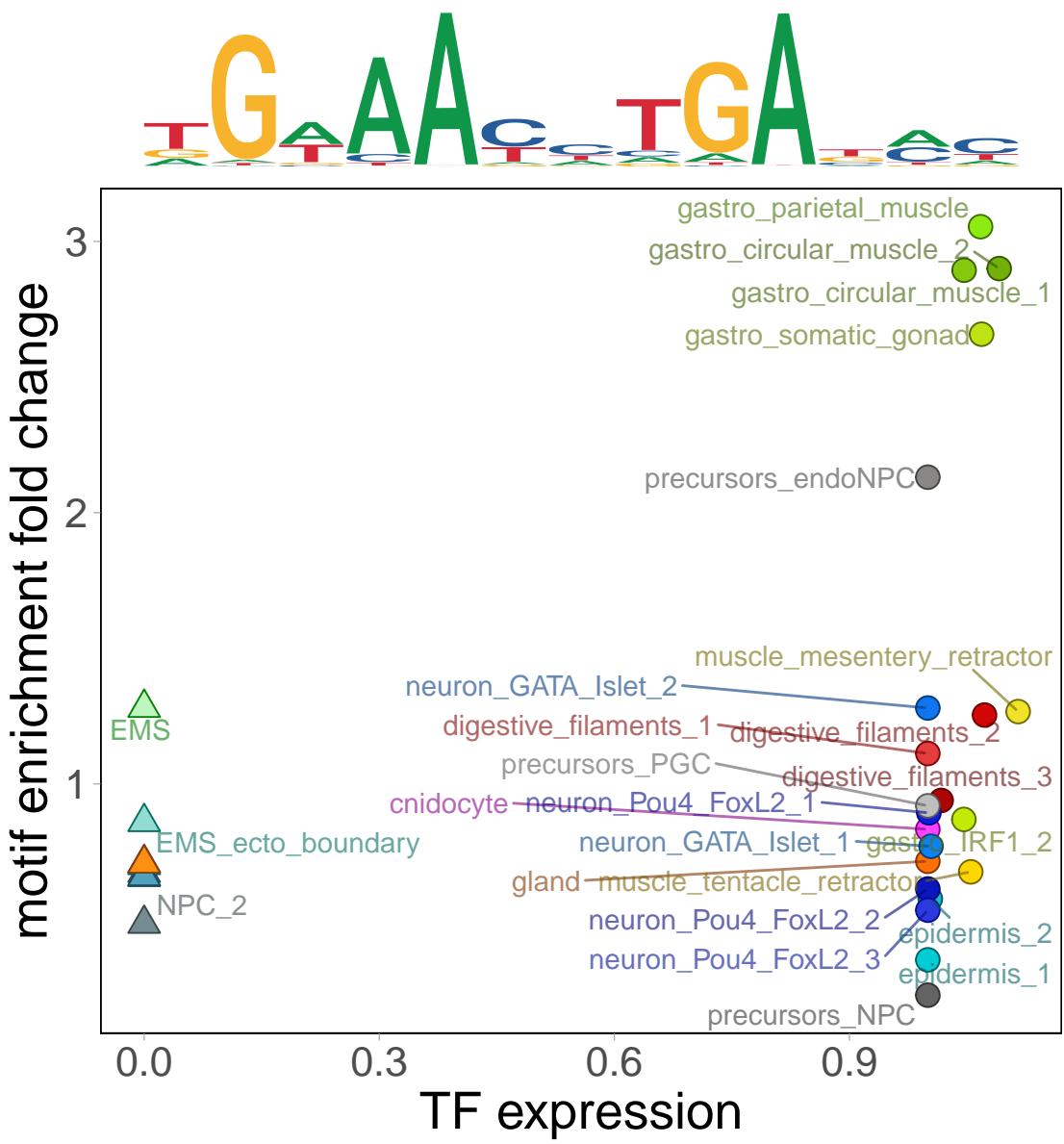
Nvec\_vc1.1\_XM\_001634160.3  
OG: Homeodomains.HG2.57:RAX/RAX  
PFAM: Homeodomain/OAR  
motif: Rax\_241030\_homer  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: TRUE  
rank: 0  
gene expression correlation: 0.3590  
gene score correlation: 0.5170



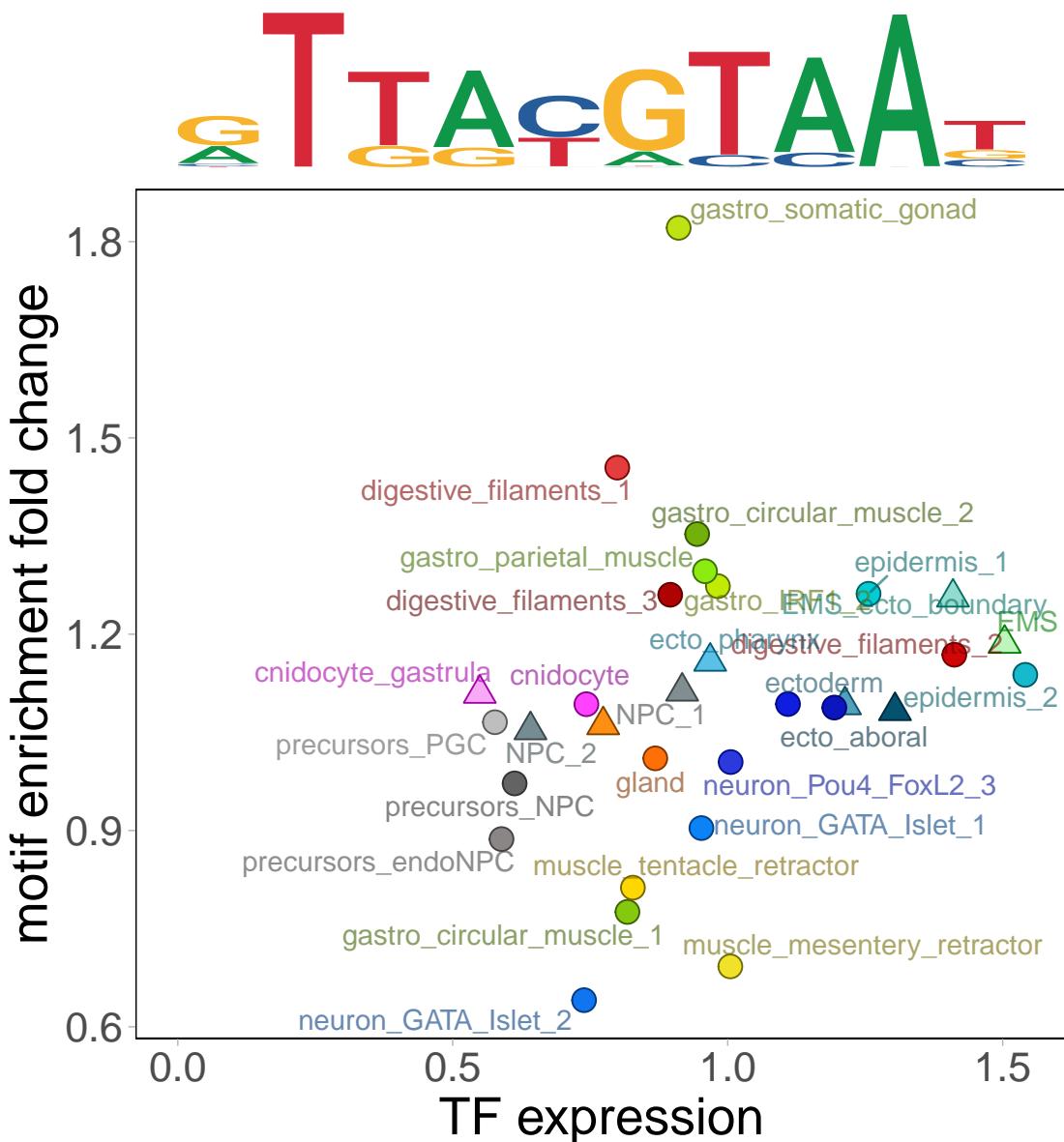
Nvec\_vc1.1\_XM\_001634198.3  
OG: Homeodomains.HG1.70:HOXA2/HG1.70  
PFAM: Homeodomain  
motif: ARCH1362\_Six1/\_Six4/Six5  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 1  
gene expression correlation: 0.3790  
gene score correlation: 0.7681



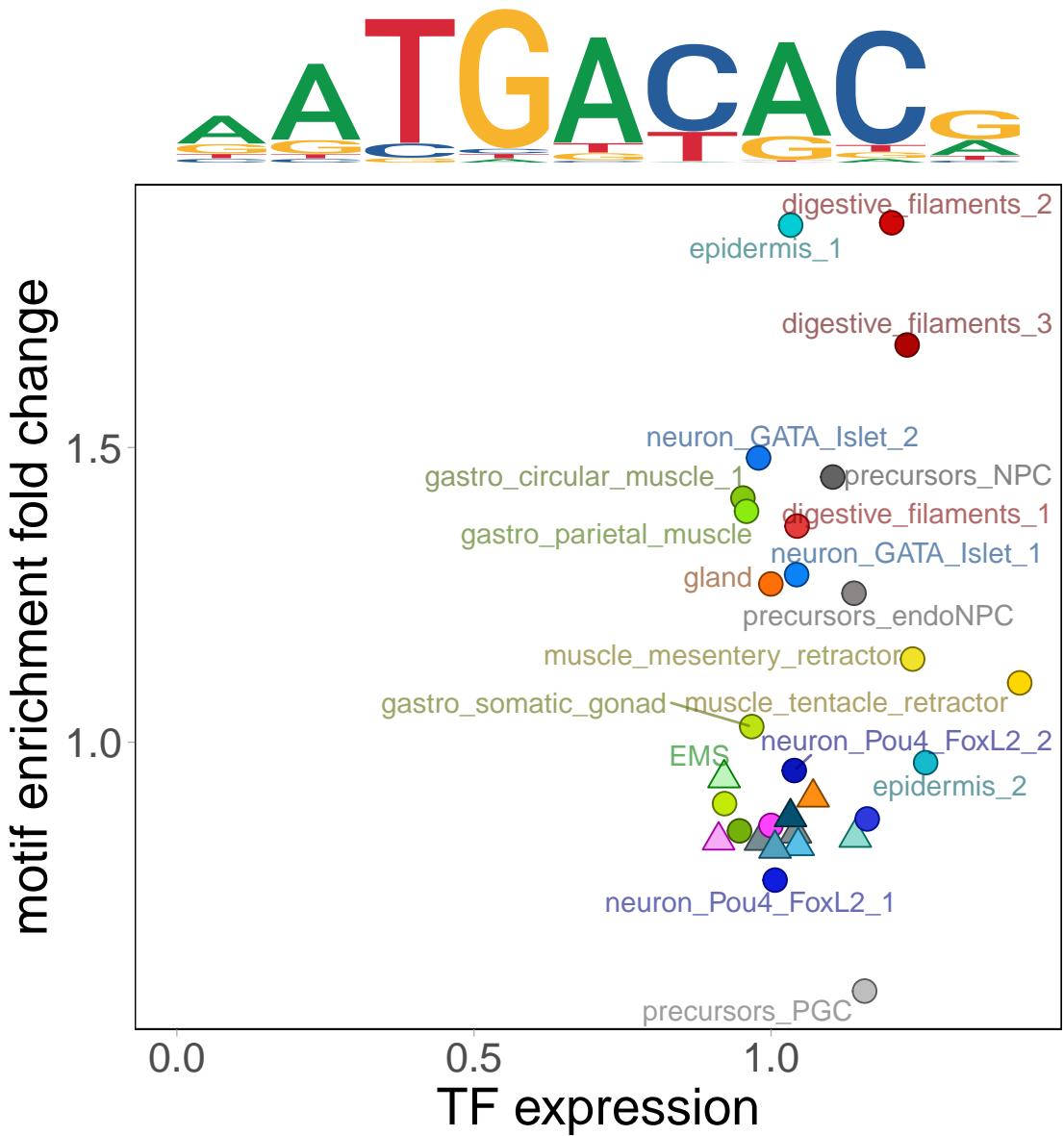
Nvec\_vc1.1\_XM\_001634199.3  
OG: Homeodomains.HG1.70:HOXA2/HG1.70  
PFAM: Homeodomain  
motif: ARCH1362\_Six1/\_Six4/Six5  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 2  
gene expression correlation: 0.3309  
gene score correlation: 0.7653



Nvec\_vc1.1\_XM\_001634326.3  
OG: bZIP.HG2.0:like:CEBPA/CEBPB/C  
PFAM: bZIP\_2  
motif: ARCH1064\_M06023\_2.00\_\_M02  
TF family: bZIP  
archetype family: bZIP  
CisBP assigned: TRUE  
rank: 239  
gene expression correlation: 0.2291  
gene score correlation: 0.2414



Nvec\_vc1.1\_XM\_001634460.3  
OG: bZIP.HG2.13:like:DBP/HLF/TEF  
PFAM: bZIP\_2  
motif: ARCH952\_Fos/Fosb/Fosl1/Fosl2  
TF family: bZIP  
archetype family: bZIP  
CisBP assigned: FALSE  
rank: 98  
gene expression correlation: 0.1675  
gene score correlation: 0.1895



Nvec\_vc1.1\_XM\_001634550.3

OG: HLH.HG1.53:HES5/HES7

PFAM: HLH

motif: ARCH473\_bHLH80\_ZSCAN4

TF family: HLH

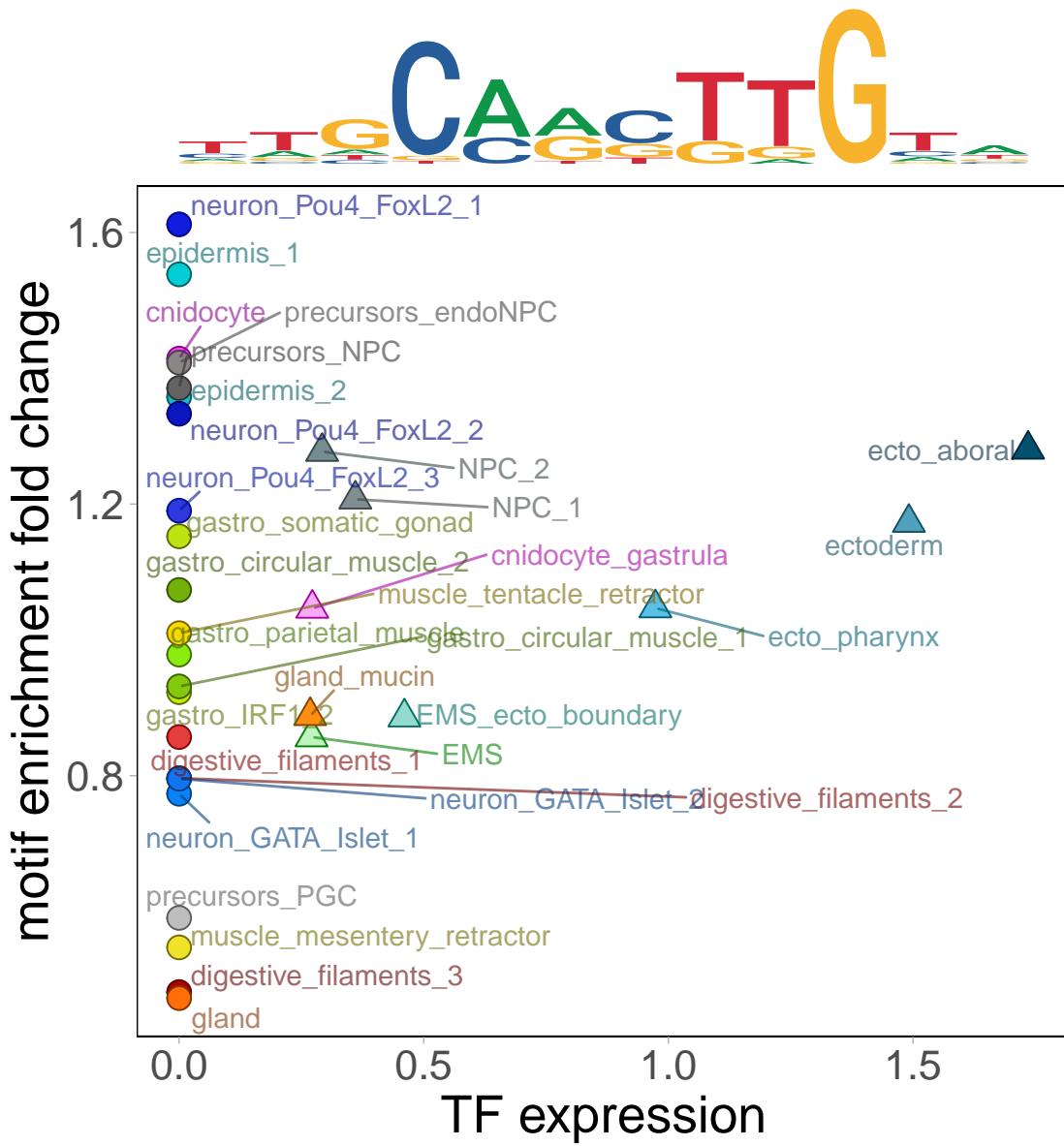
archetype family: HLH

CisBP assigned: FALSE

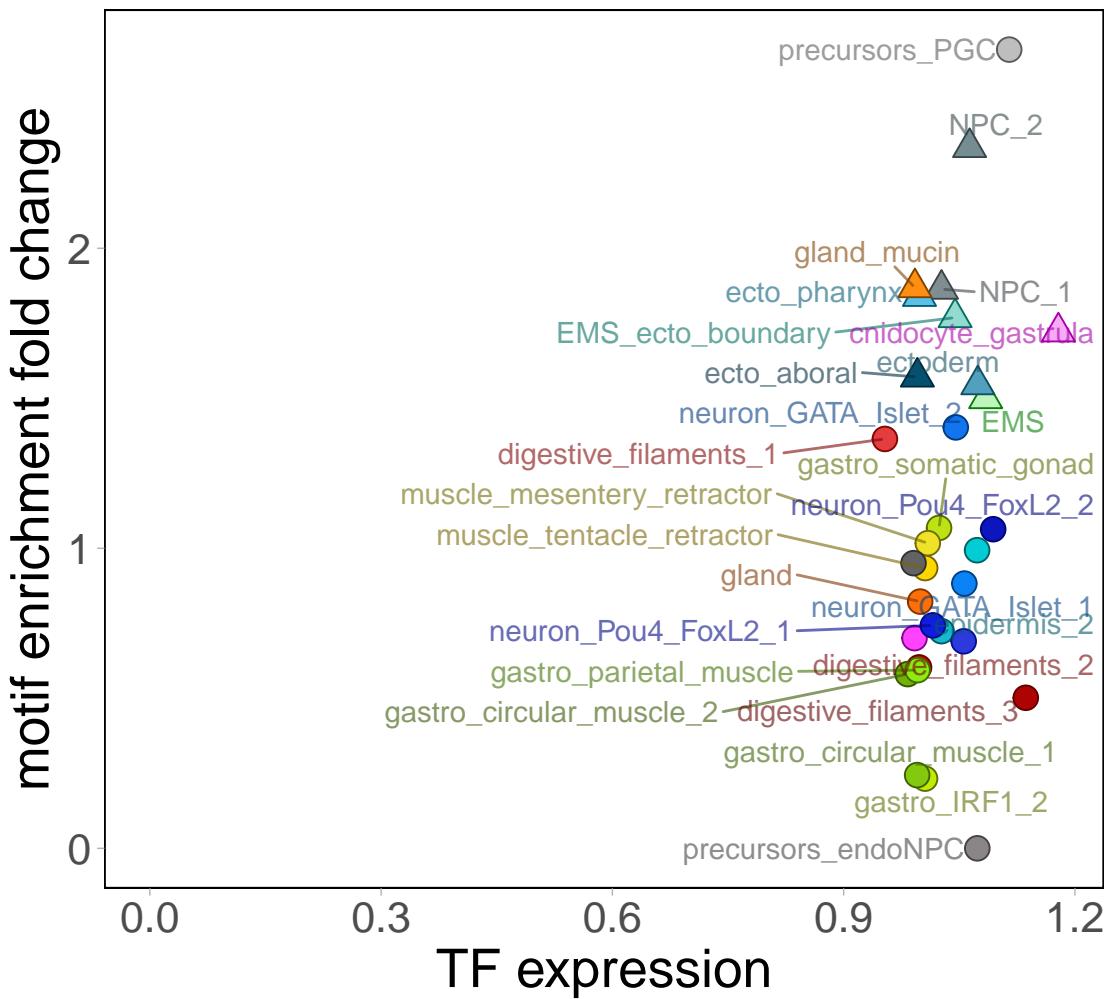
rank: 164

gene expression correlation: 0.1489

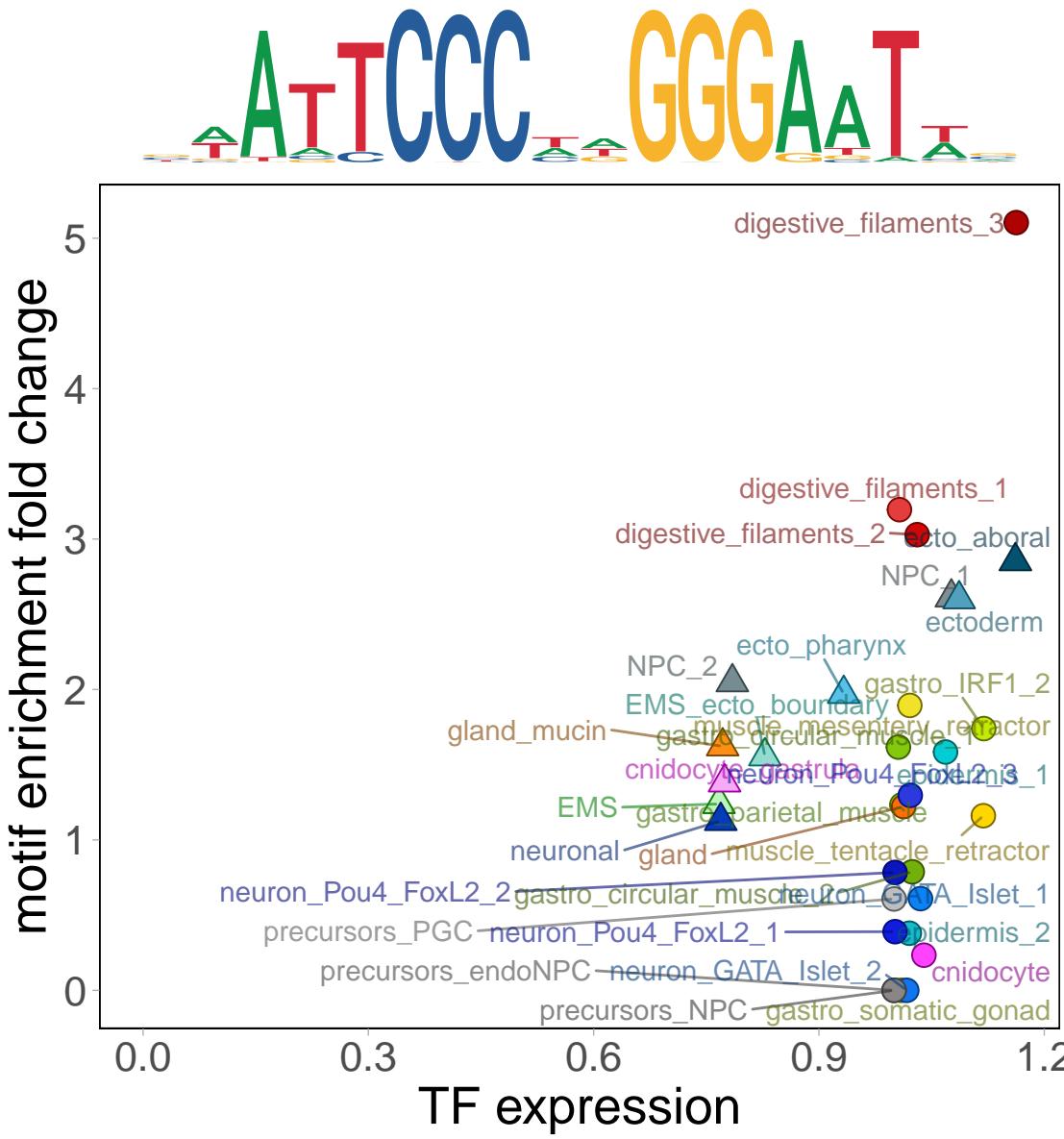
gene score correlation: 0.1185



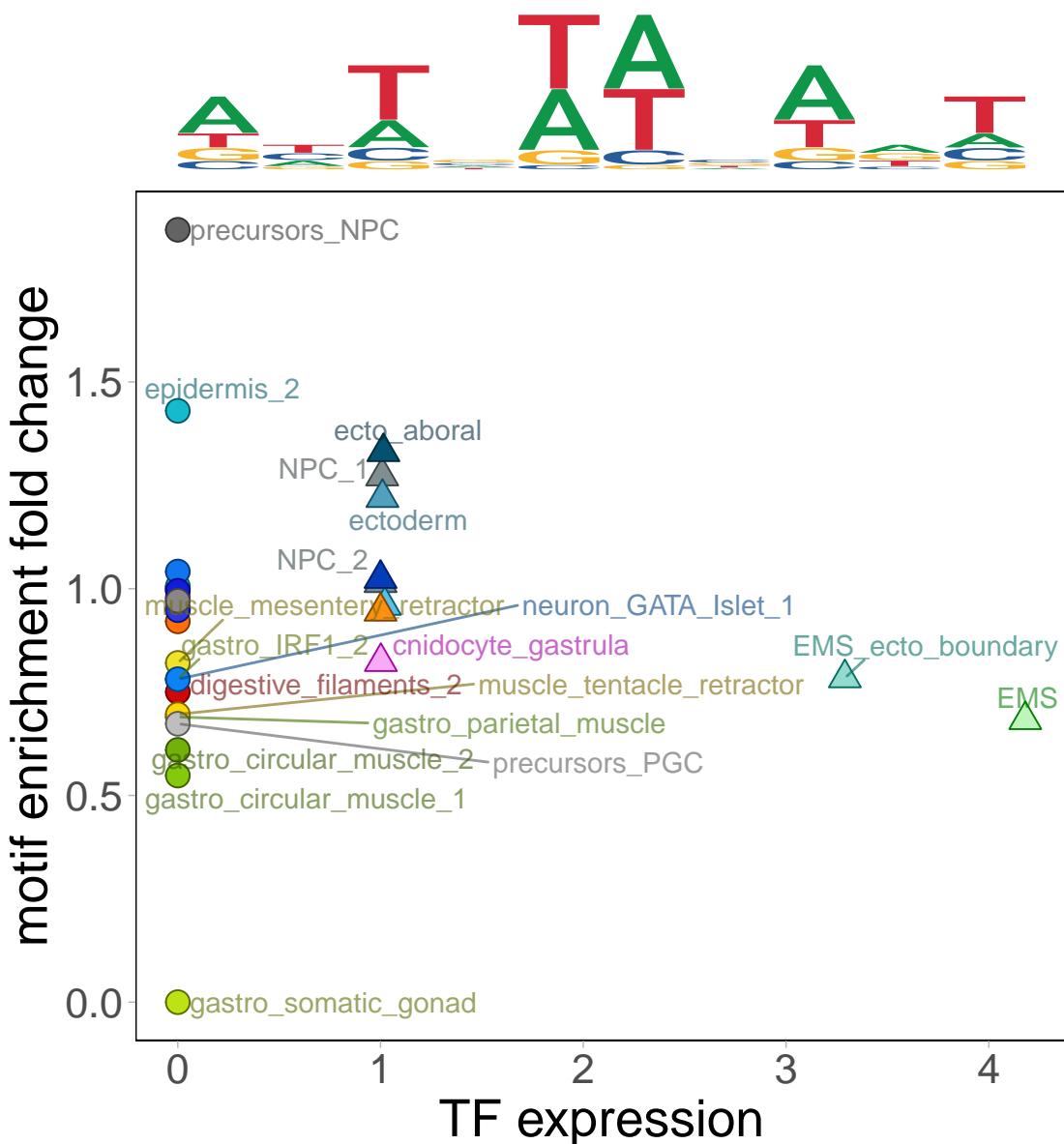
Nvec\_vc1.1\_XM\_001634673.3  
OG: zf-C2H2.HG1.5:ZNF688  
PFAM: zf-C2H2\_11/zf-C2H2/zf-C2H2/  
motif: ARCH1255\_Yy1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 13  
gene expression correlation: 0.2553  
gene score correlation: 0.0578



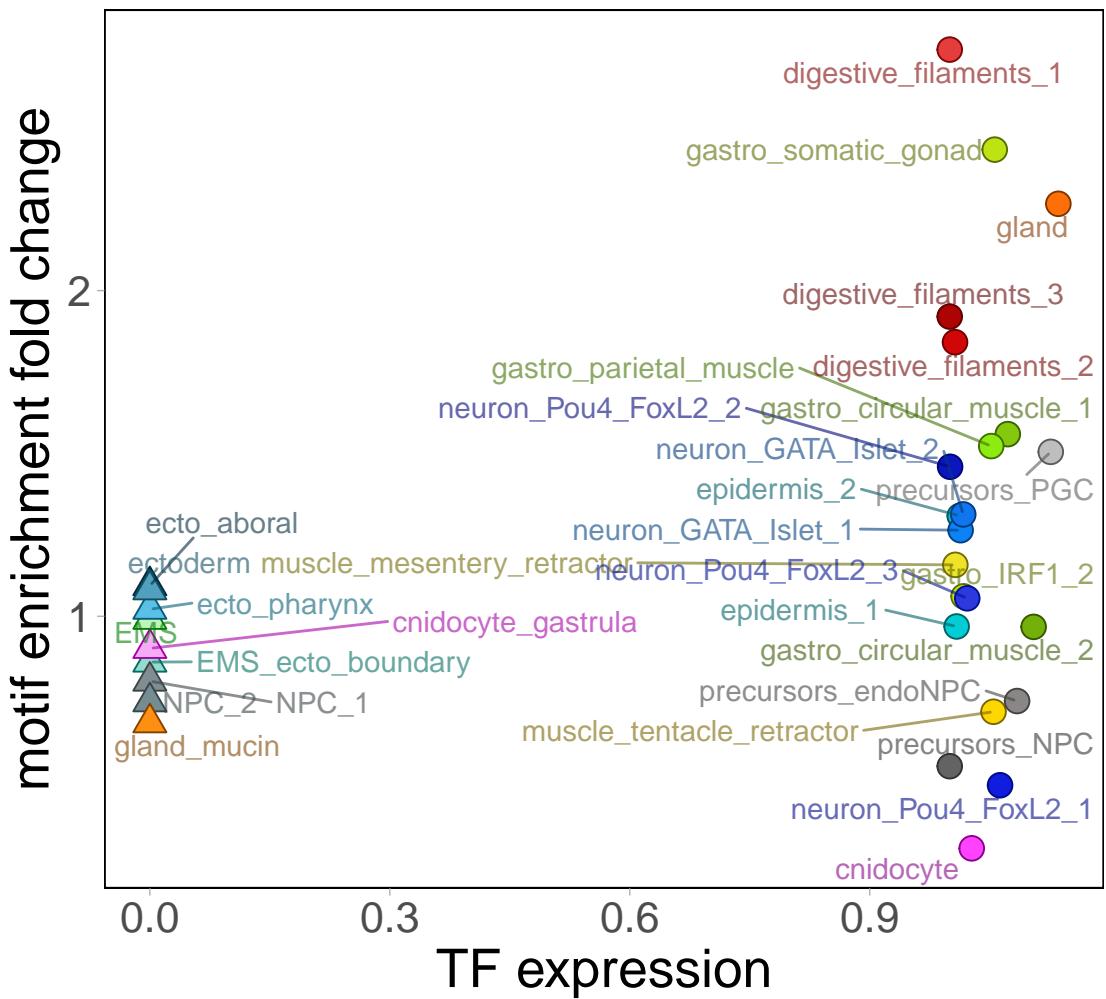
Nvec\_vc1.1\_XM\_001634712.3  
OG: HLH.HG2.0:EBF1/EBF2/EBF3/EBF4  
PFAM: COE1\_DB/DBD/TIG/COE1\_HLH  
motif: M03721\_2.00  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.2131  
gene score correlation: 0.6605



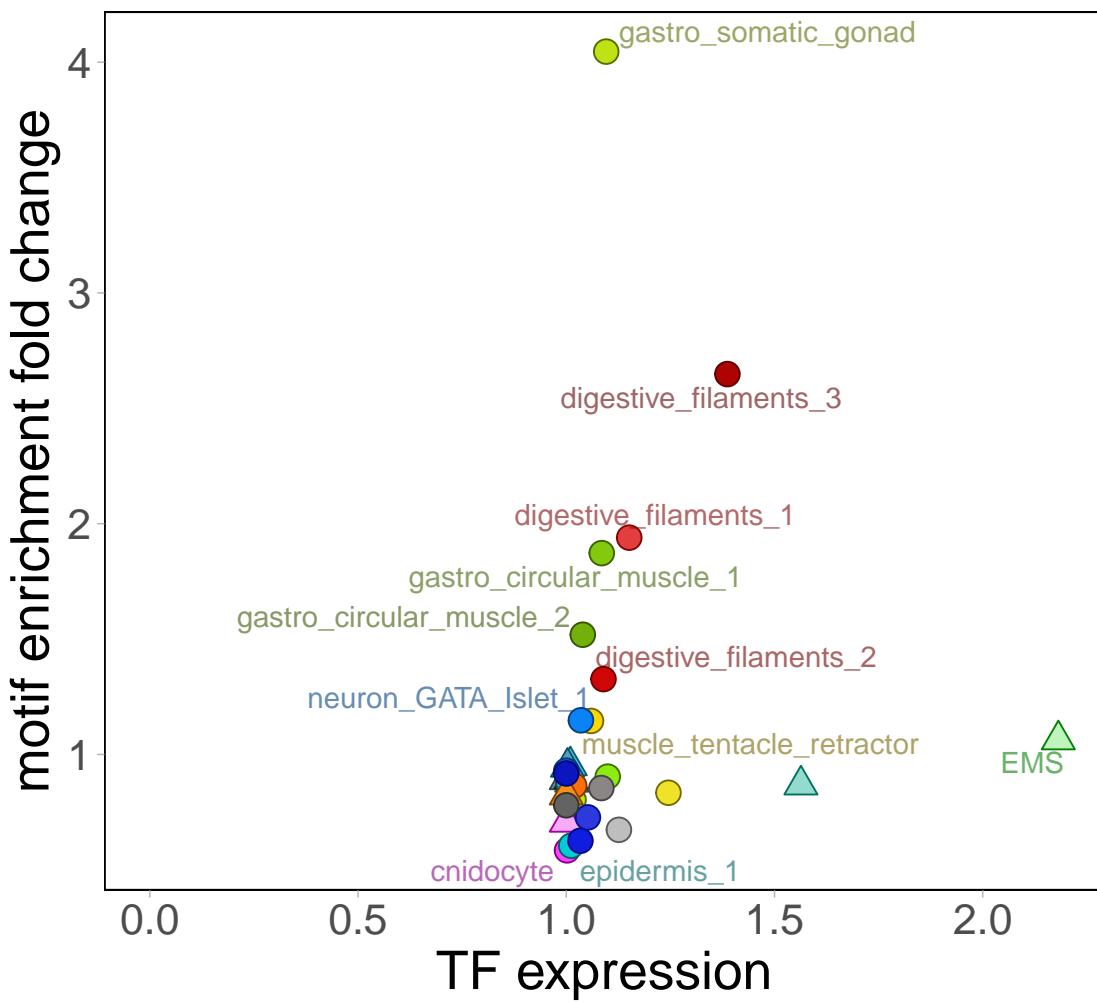
Nvec\_vc1.1\_XM\_001634768.3  
OG: Homeodomains.HG2.11:DUX4/DU  
PFAM: Homeodomain  
motif: M02082\_2.00  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.0226  
gene score correlation: 0.1149



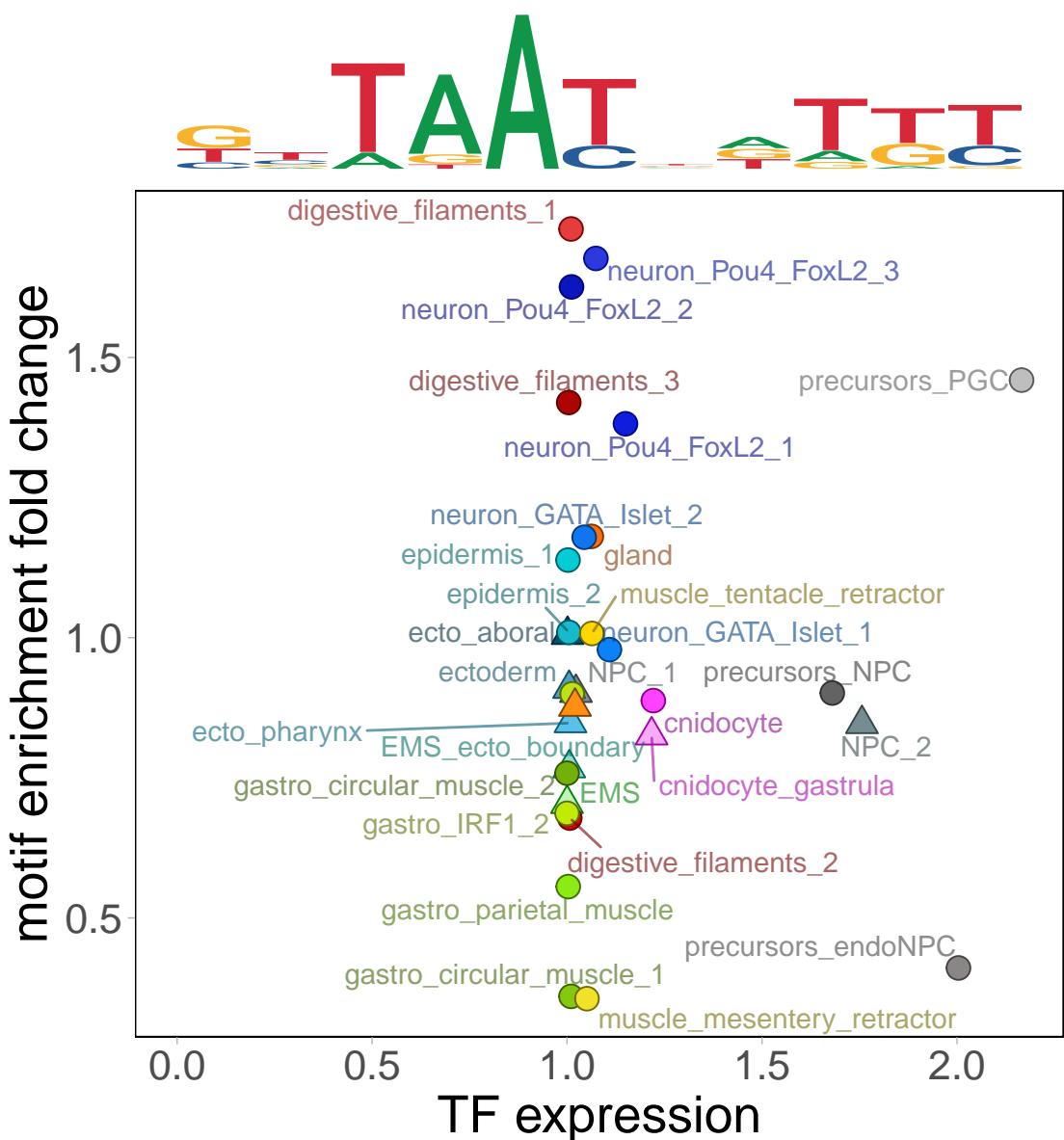
Nvec\_vc1.1\_XM\_001634946.3  
OG: Homeodomains.HG3.31:SIX1/SIX2  
PFAM: SIX1\_SD/Homeodomain  
motif: ARCH1055\_MF0010.1\_Homeobd  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 1149  
gene expression correlation: 0.3395  
gene score correlation: 0.1040



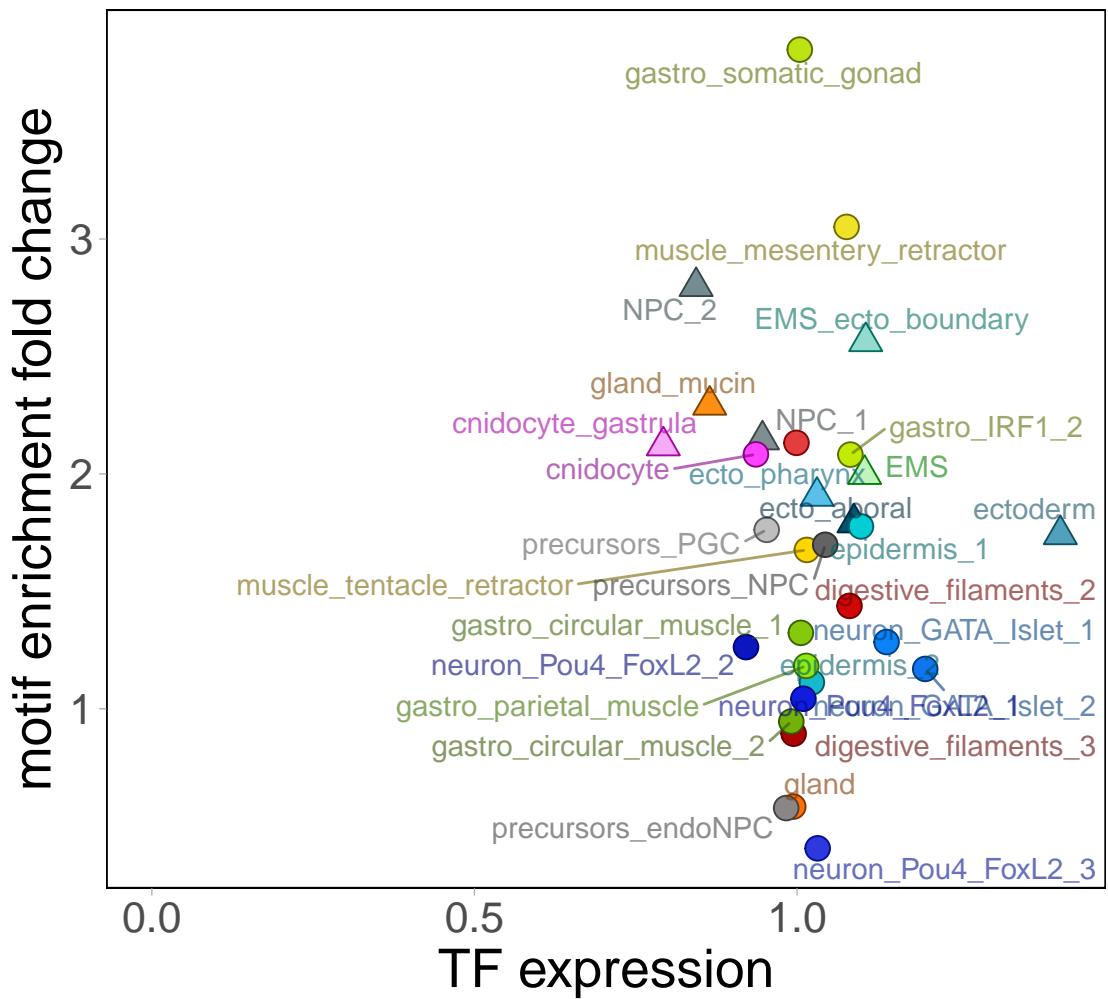
Nvec\_vc1.1\_XM\_001634956.3  
OG: Homeodomains.HG2.43:GSC/GSC  
PFAM: Homeodomain  
motif: ARCH1430\_Dmbx1\_Gsc2/Gsc//C  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: TRUE  
rank: 383  
gene expression correlation: 0.1351  
gene score correlation: 0.2871



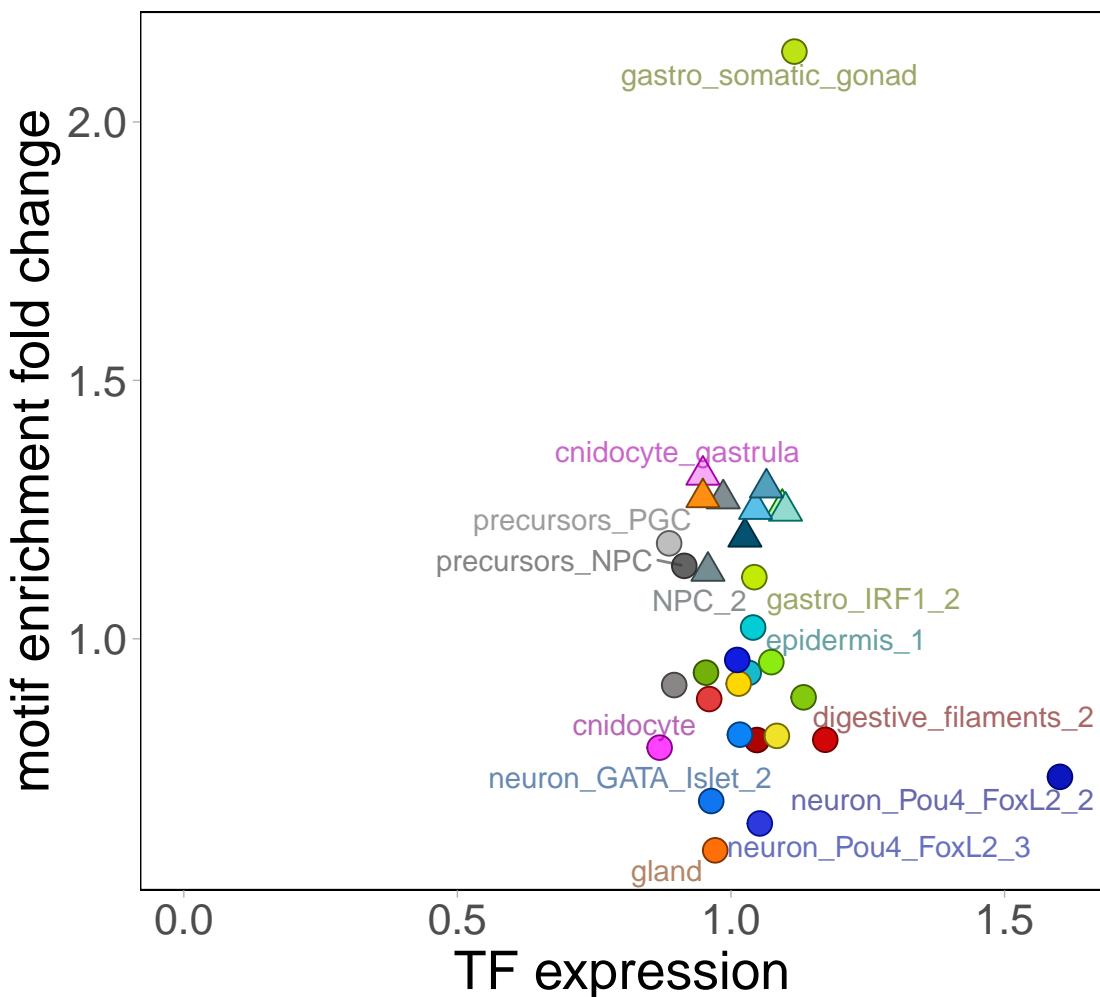
Nvec\_vc1.1\_XM\_001635015.3  
OG: Homeodomains.HG2.68:like:ARX/O  
PFAM: Homeodomain  
motif: ARCH41\_Alx3/Alx4/Alx1\_Barx2...  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: TRUE  
rank: 219  
gene expression correlation: -0.0165  
gene score correlation: -0.1571



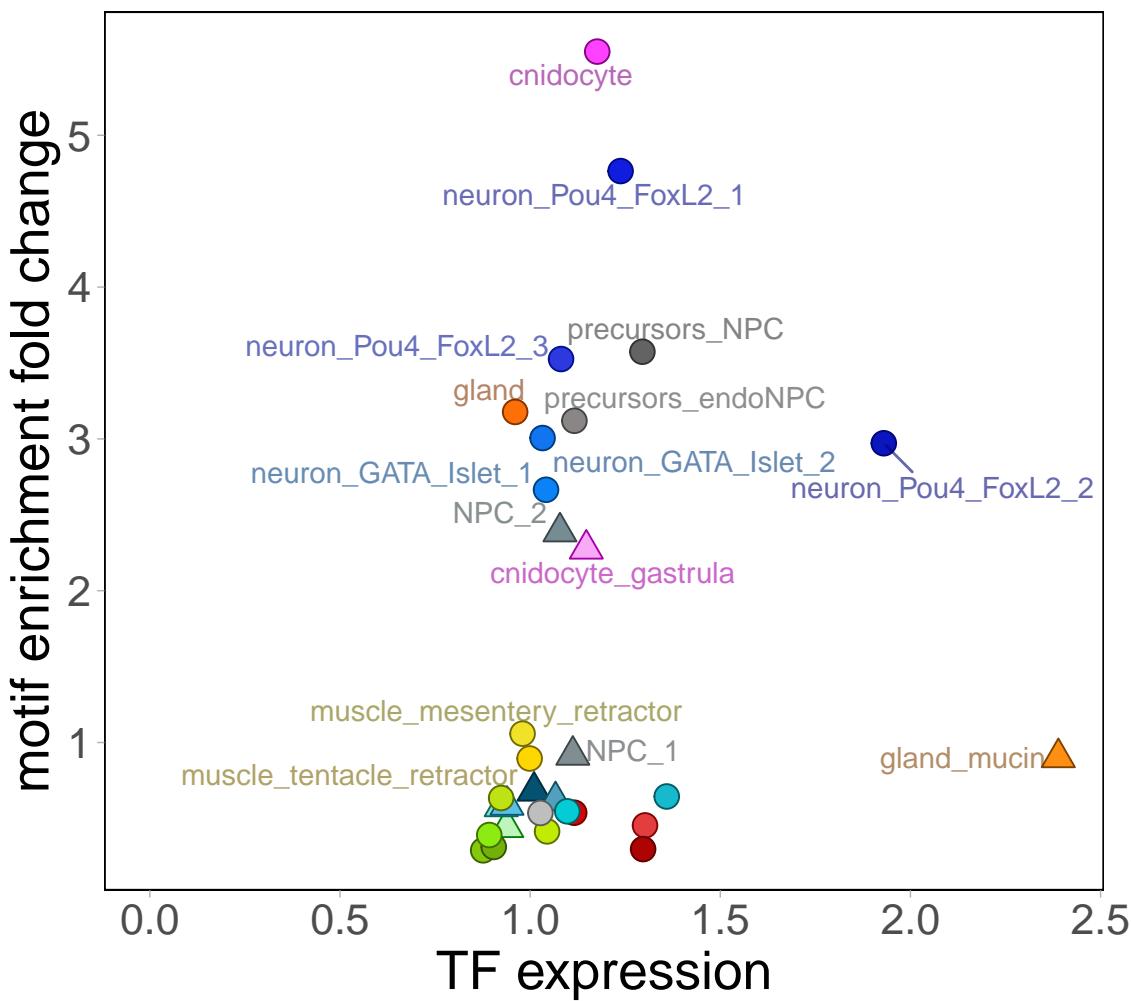
Nvec\_vc1.1\_XM\_001635041.3  
OG: MADS-box\_SRF.HG1.0:SRF  
PFAM: SRF-TF  
motif: ARCH1309\_Srf  
TF family: MADS-box\_SRF  
archetype family: MADS-box\_SRF  
CisBP assigned: TRUE  
rank: 286  
gene expression correlation: -0.1068  
gene score correlation: 0.1813



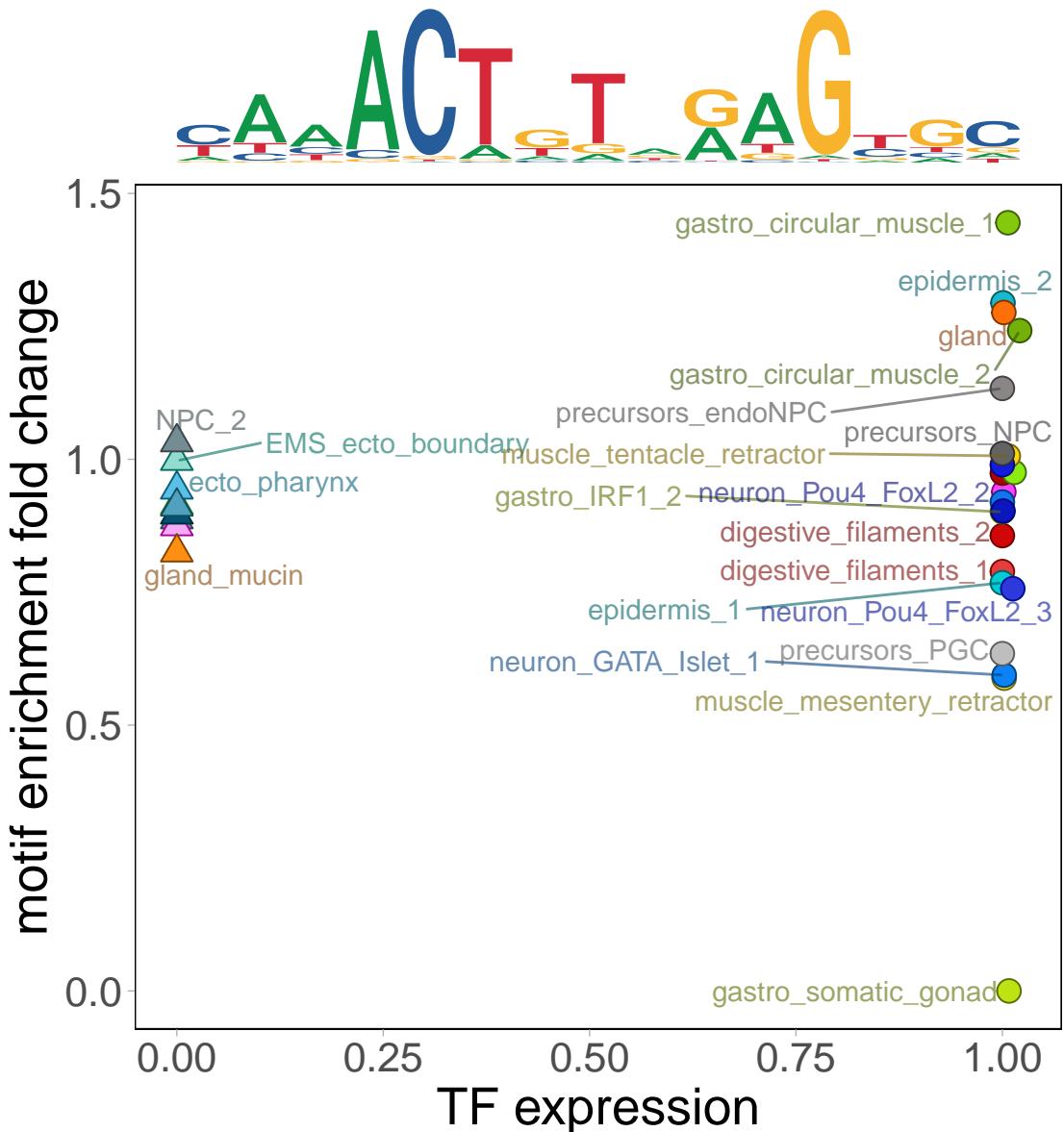
Nvec\_vc1.1\_XM\_001635120.3  
OG: zf-C2H2.HG1.207:like:AC008758.1  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH385\_M08281\_2.00\_ZNF7  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 87  
gene expression correlation: -0.0670  
gene score correlation: 0.0567



Nvec\_vc1.1\_XM\_001635172.3  
OG: HLH.HG1.38:MXD1/MXD3/MXD4/M  
PFAM: HLH  
motif: ARCH867\_ZEB1\_\_PL0011.1\_hlh  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 478  
gene expression correlation: 0.1580  
gene score correlation: -0.0783



Nvec\_vc1.1\_XM\_001635190.3  
OG: zf-C2H2.HG1.30:like:AC008758.1/  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH1370\_M05856\_2.00  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 125  
gene expression correlation: -0.0196  
gene score correlation: -0.1551



Nvec\_vc1.1\_XM\_001635275.3

OG: HLH.HG1.63:like:HES5/HES7

PFAM: HLH

motif: ARCH1533\_BHLH112

TF family: HLH

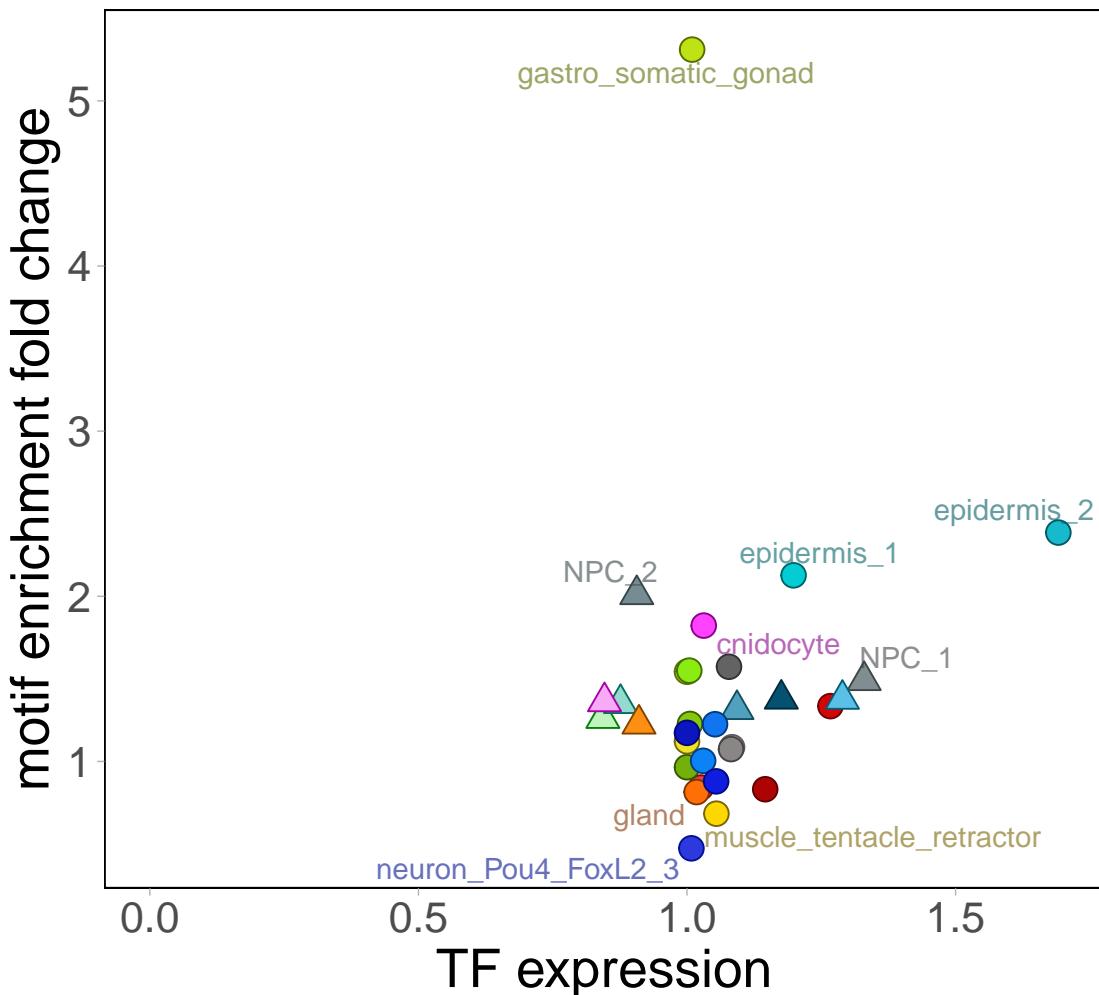
archetype family: HLH

CisBP assigned: FALSE

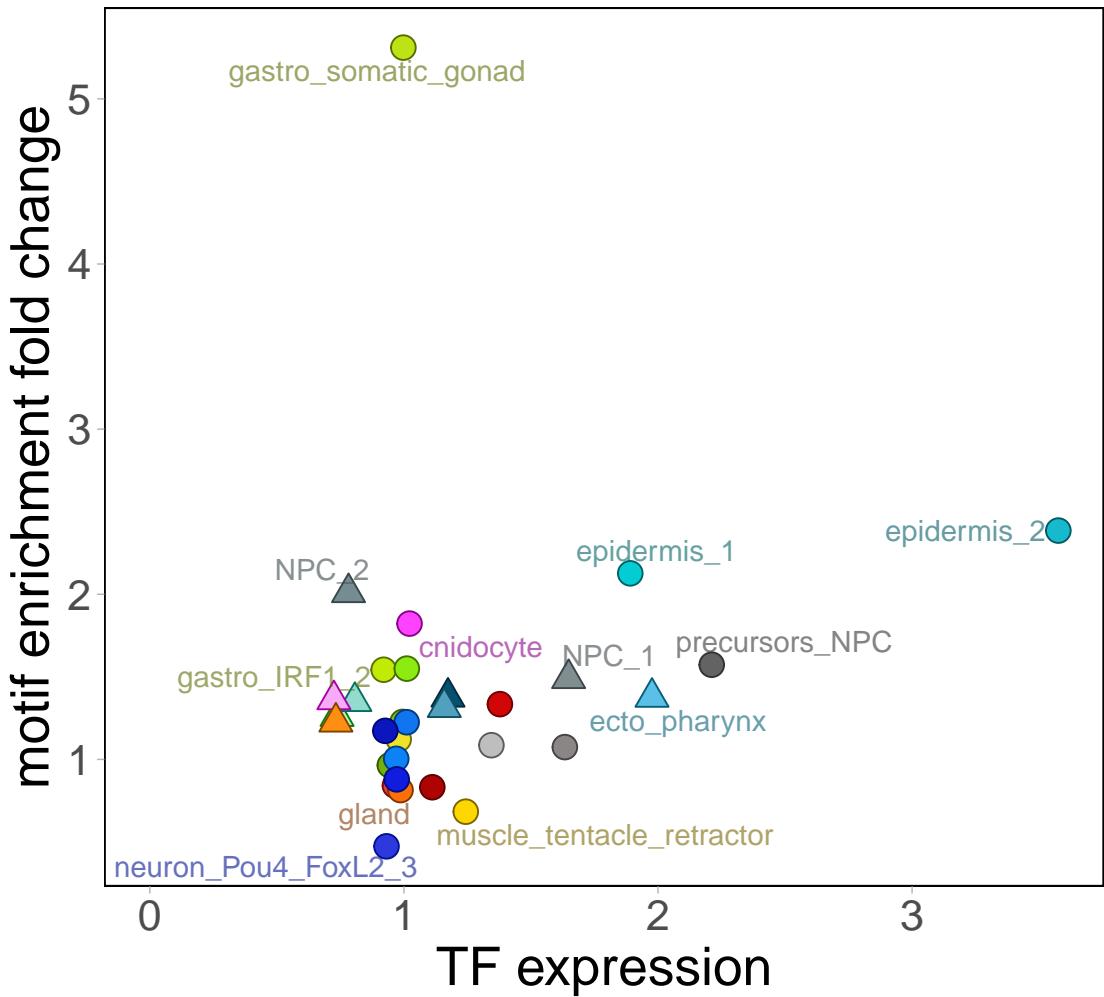
rank: 93

gene expression correlation: 0.1436

gene score correlation: 0.1404



Nvec\_vc1.1\_XM\_001635276.3  
OG: HLH.HG1.63:like:HES5/HES7  
PFAM: HLH  
motif: ARCH1533\_BHLH112  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 15  
gene expression correlation: 0.1998  
gene score correlation: 0.2300



Nvec\_vc1.1\_XM\_001635277.3

OG: HLH.HG1.62:like:HES5/HES7

PFAM: HLH/Hairy\_orange

motif: ARCH1533\_BHLH112

TF family: HLH

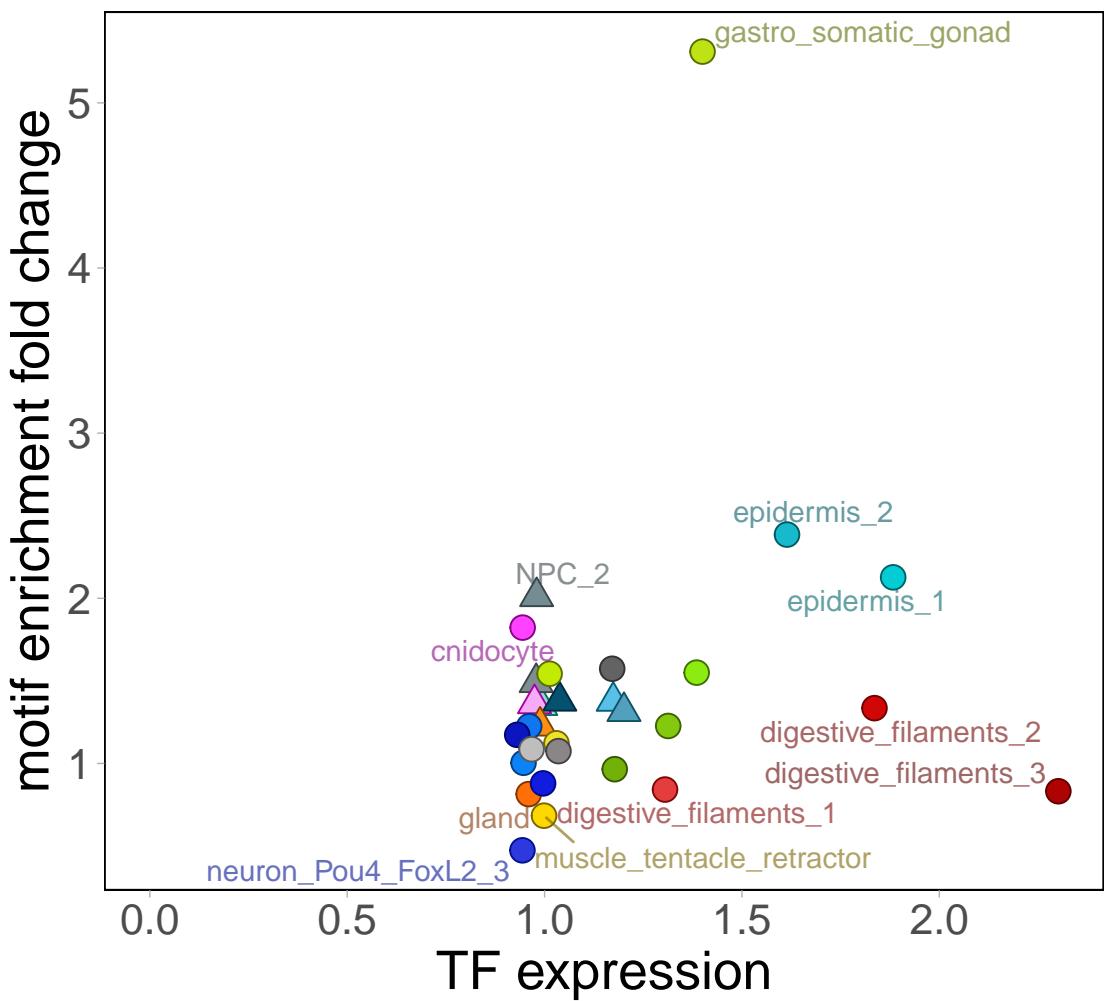
archetype family: HLH

CisBP assigned: FALSE

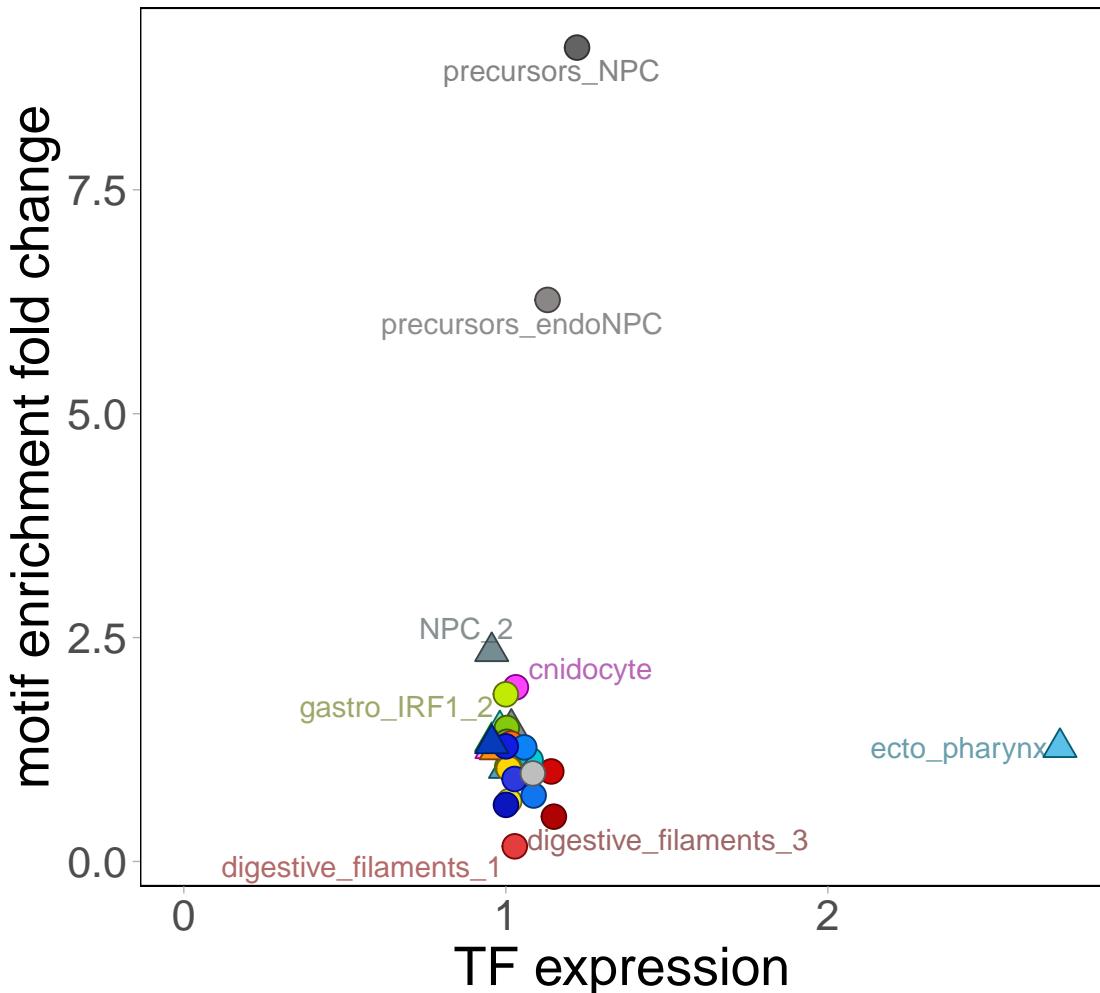
rank: 85

gene expression correlation: 0.2174

gene score correlation: 0.1498



Nvec\_vc1.1\_XM\_001635315.3  
OG: HLH.HG1.63:like:HES5/HES7  
PFAM: HLH  
motif: M00933\_2.00  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.0765  
gene score correlation: 0.3102



Nvec\_vc1.1\_XM\_001635316.3

OG: HLH.HG1.53:HES5/HES7

PFAM: HLH

motif: ARCH1533\_BHLH112

TF family: HLH

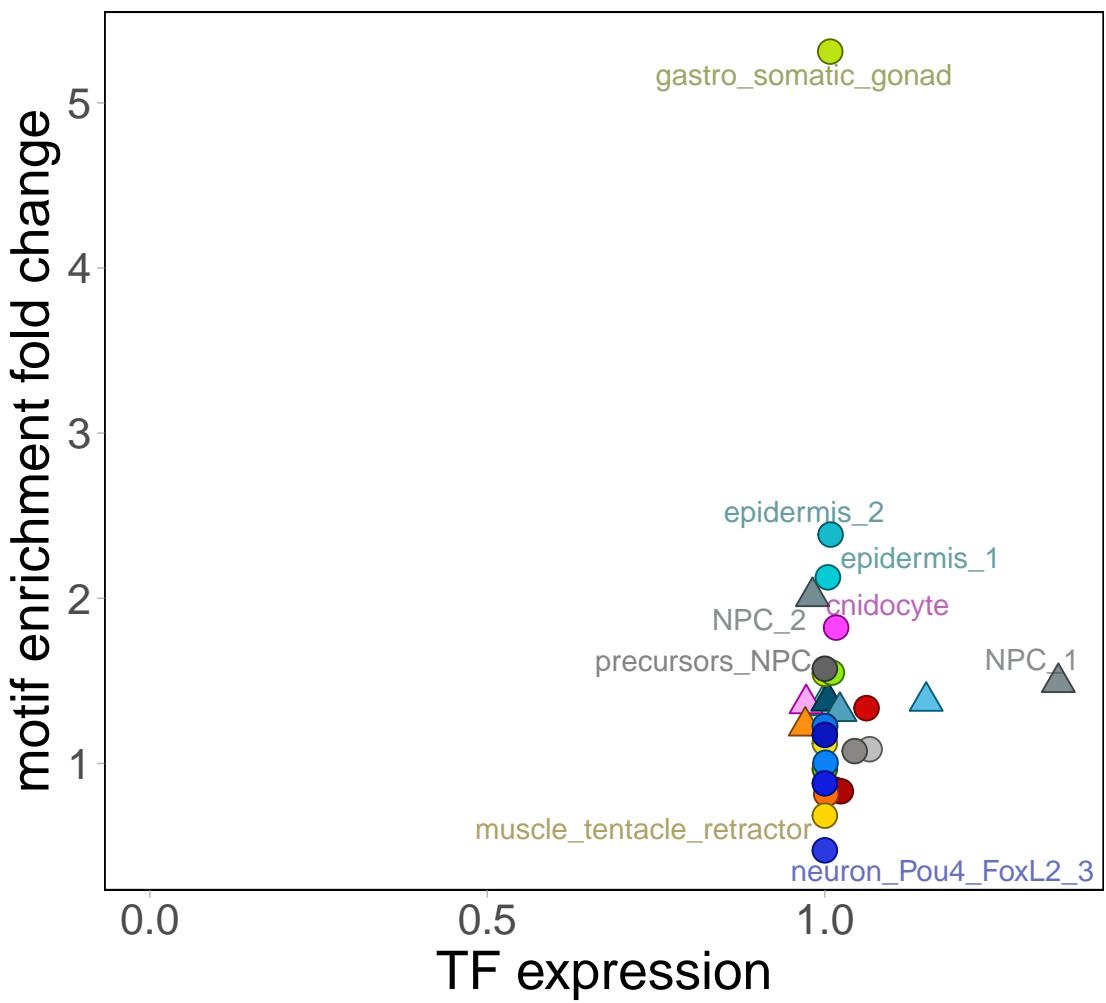
archetype family: HLH

CisBP assigned: FALSE

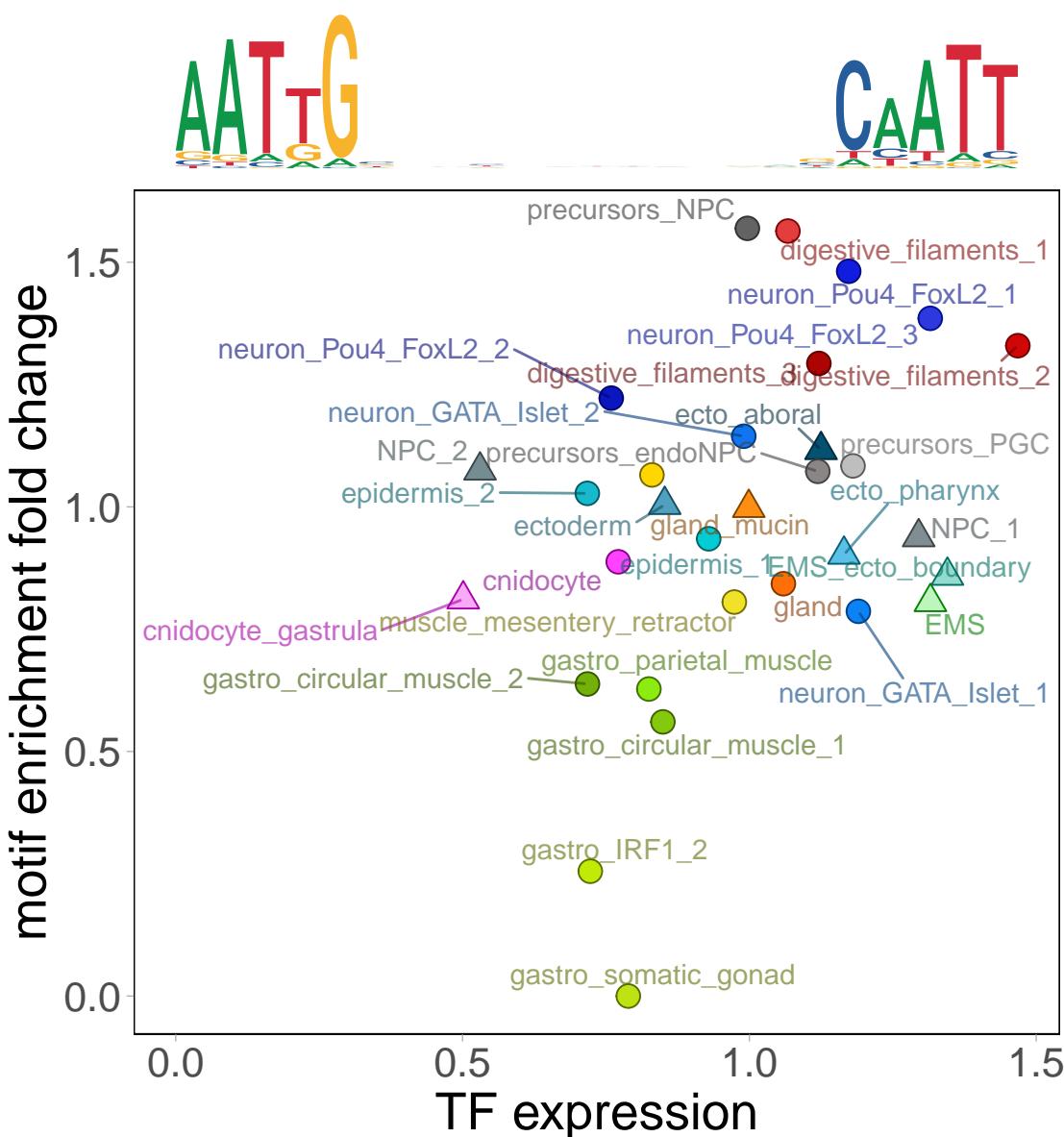
rank: 351

gene expression correlation: 0.0021

gene score correlation: 0.0389



Nvec\_vc1.1\_XM\_001635374.3  
OG: Homeodomains.HG3.7:PBX1/PBX2  
PFAM: PBC/Homeodomain  
motif: ARCH300\_Emx1/Emx2\_Hmx1/Hr  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 9  
gene expression correlation: 0.3741  
gene score correlation: 0.4034



Nvec\_vc1.1\_XM\_001636116.3

OG: TBP.HG1.3:TBP/TBPL2

PFAM: TBP/TBP

motif: M00216\_2.00

TF family: TBP

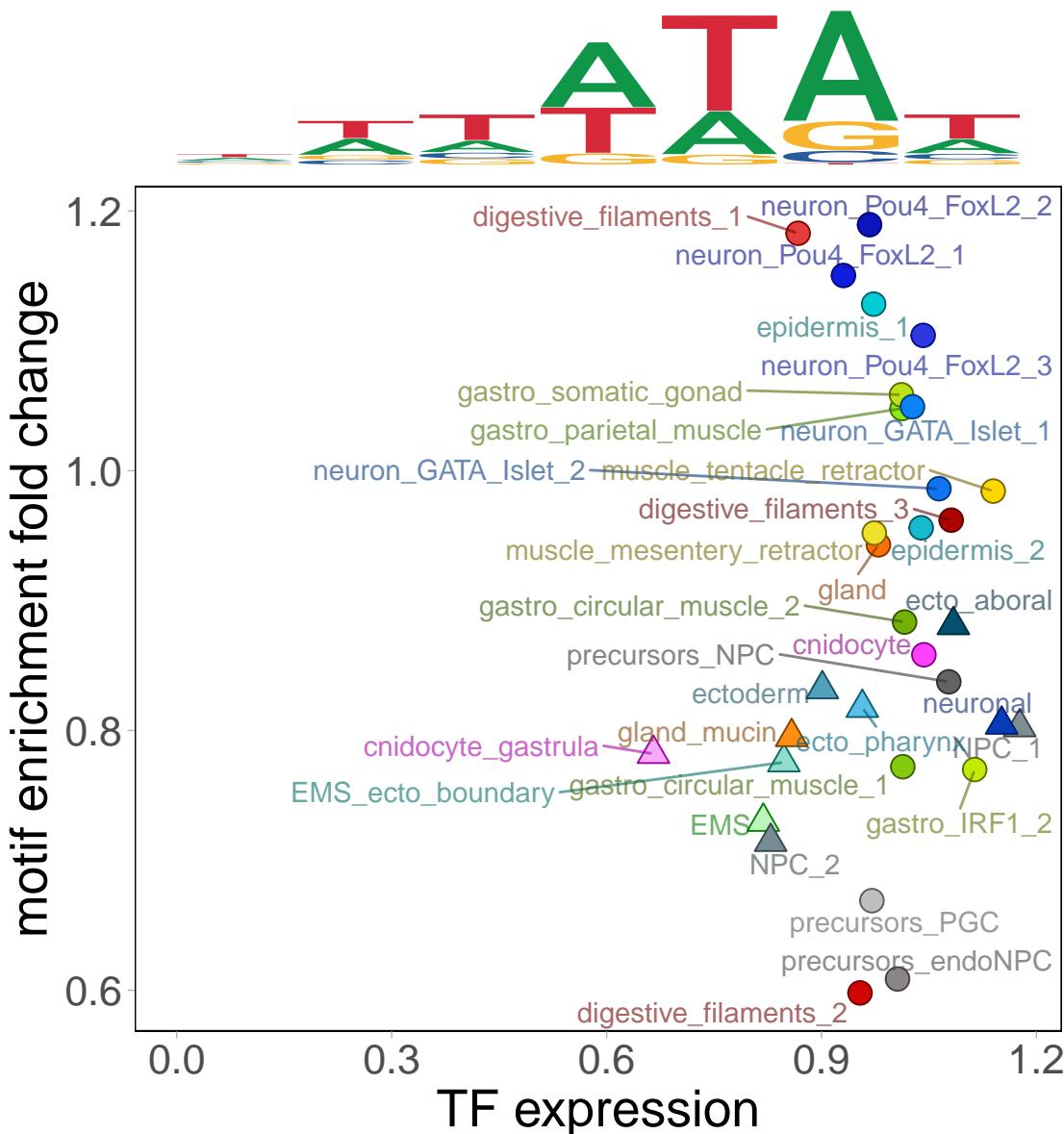
archetype family: TBP

CisBP assigned: TRUE

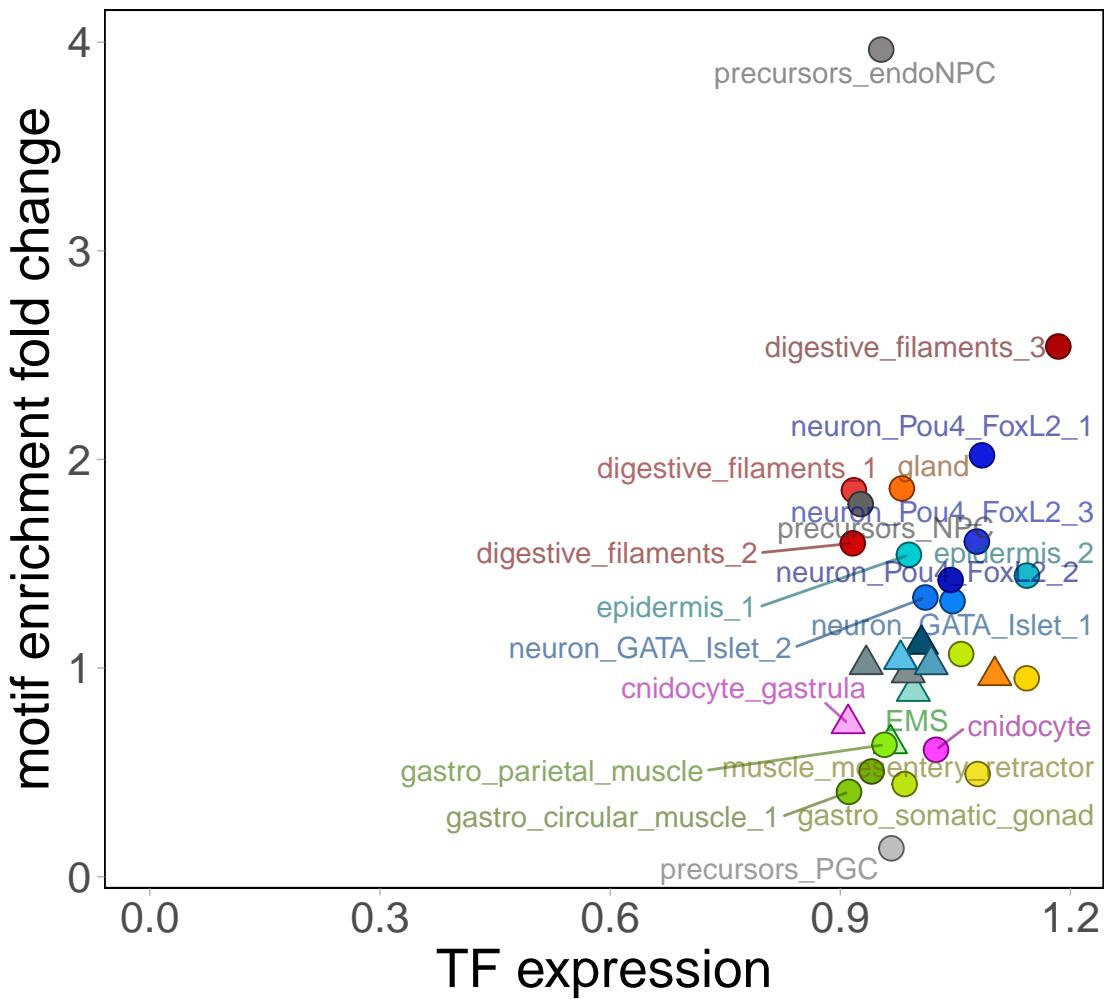
rank: 0

gene expression correlation: 0.1352

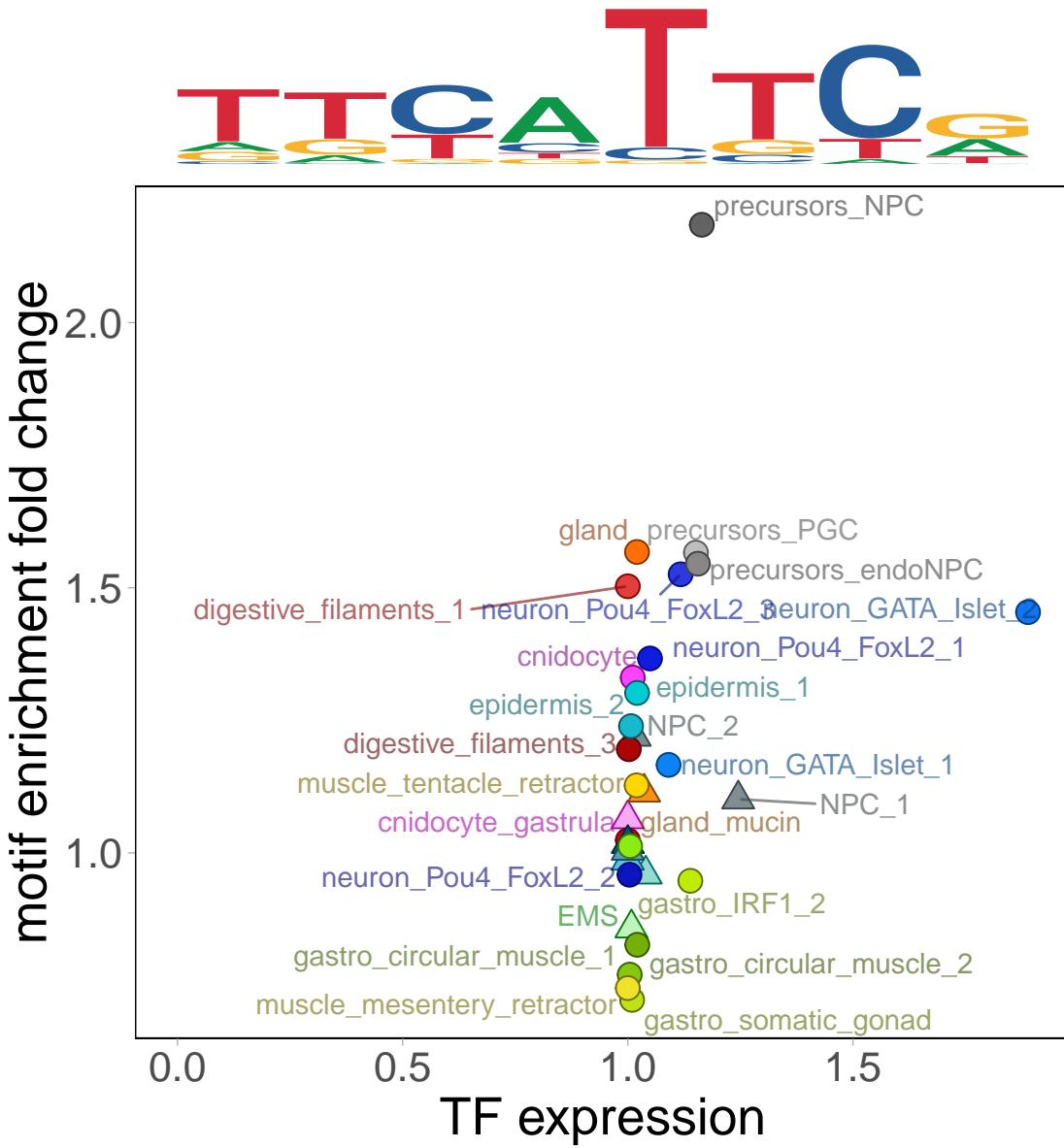
gene score correlation: 0.1002



Nvec\_vc1.1\_XM\_001636163.3  
OG: Homeodomains.HG4.4:POU6F1/P  
PFAM: DFP/DFP/Pou/Homeodomain  
motif: ARCH1054\_POU3F1  
TF family: Pou/Homeodomain  
archetype family: Pou/Homeodomain  
CisBP assigned: FALSE  
rank: 126  
gene expression correlation: 0.1462  
gene score correlation: 0.1066



Nvec\_vc1.1\_XM\_001636315.3  
OG: zf-C2H2.HG1.35:FEZF1/FEZF2/G  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: ARCH1204\_ARR1\_ZNF24  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 34  
gene expression correlation: 0.3342  
gene score correlation: 0.4552



Nvec\_vc1.1\_XM\_001636352.3

OG: Ets.HG1.2:ELK1/ELK3/ELK4

PFAM: Ets

motif: ARCH585\_Spdef

TF family: Ets

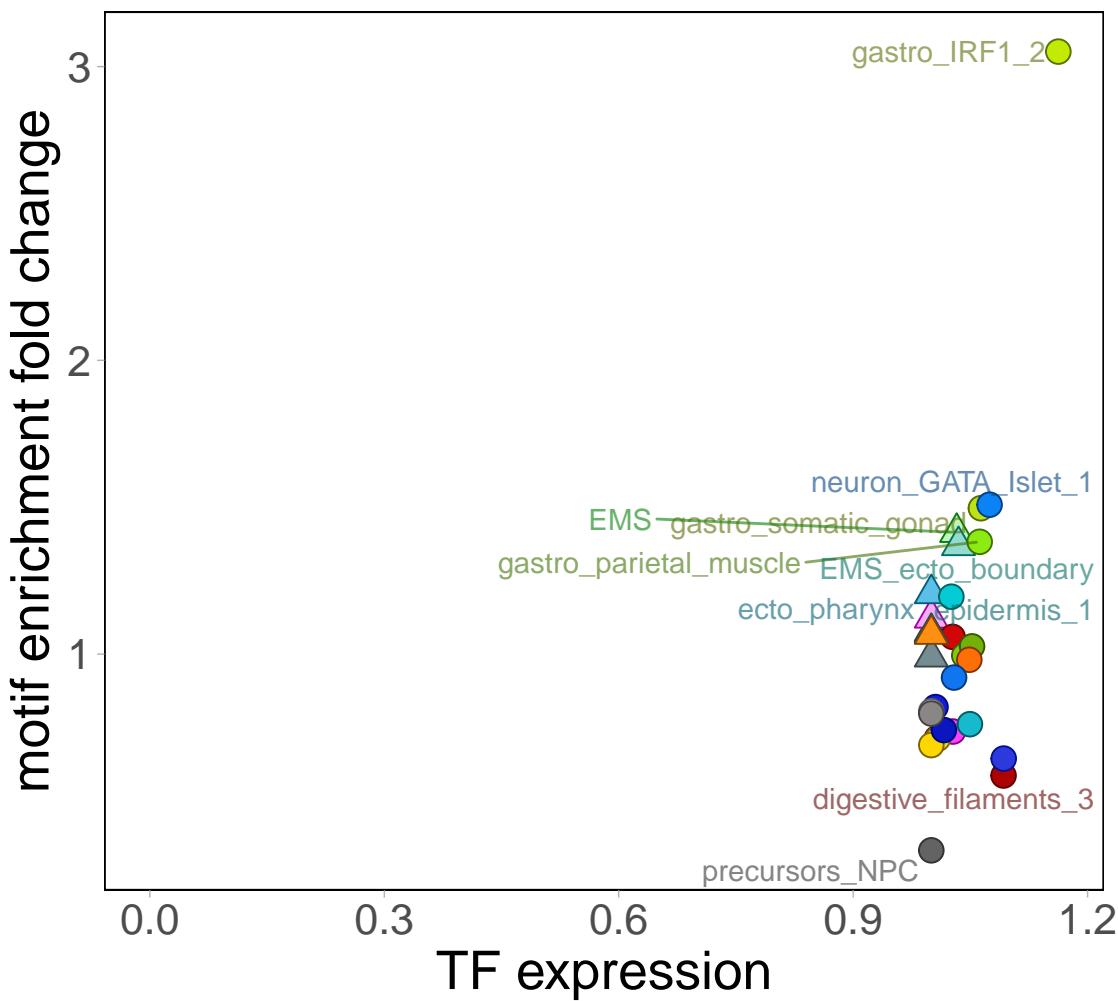
archetype family: Ets

CisBP assigned: FALSE

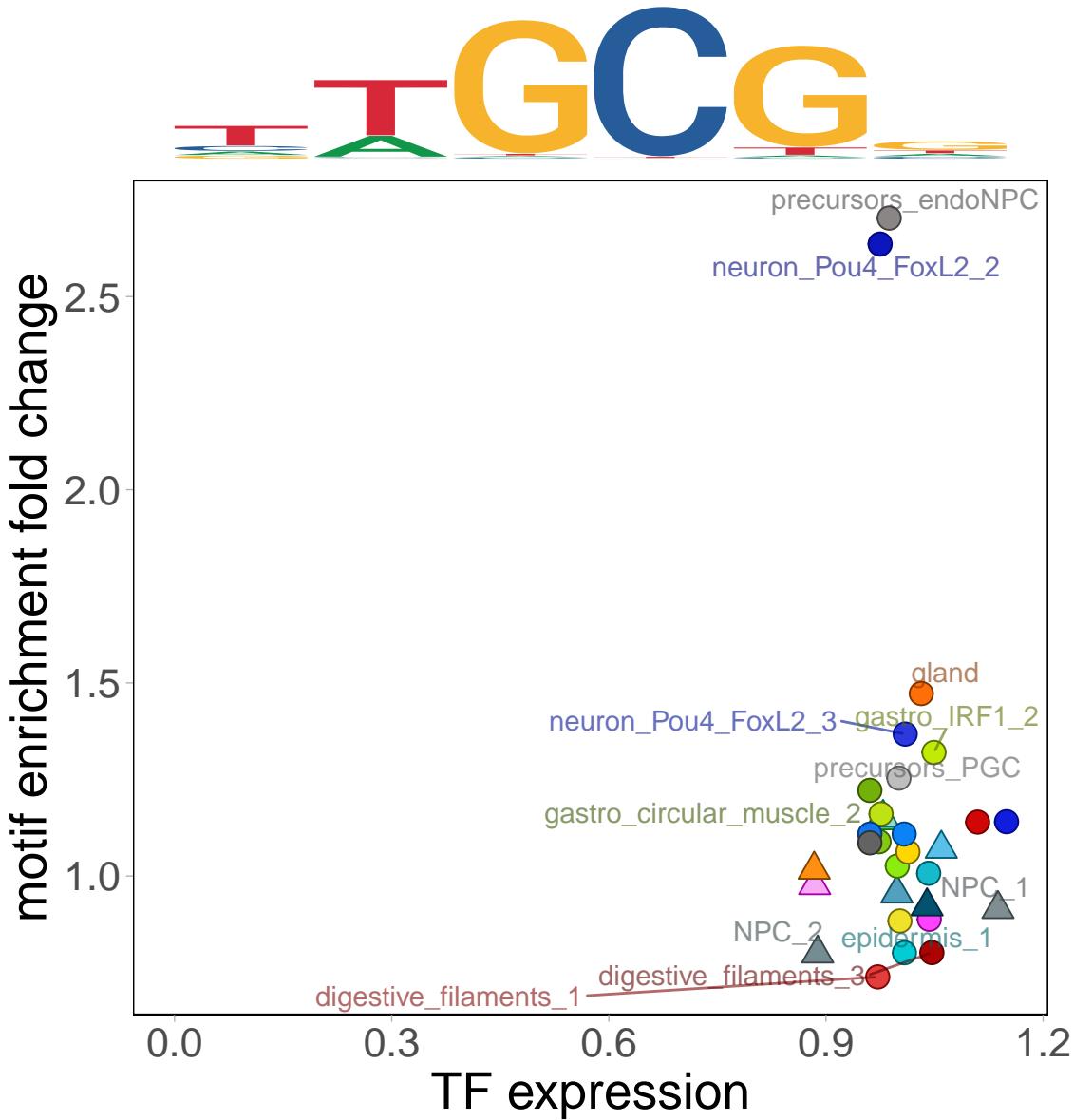
rank: 1

gene expression correlation: 0.5985

gene score correlation: 0.5800



Nvec\_vc1.1\_XM\_001636464.3  
OG: Myb.HG7.0:TERF2IP  
PFAM: BRCT\_2/Myb\_DNA-bind\_2  
motif: ARCH646\_Msantd4/Mypop\_Terf2  
TF family: Myb  
archetype family: Myb  
CisBP assigned: TRUE  
rank: 65  
gene expression correlation: -0.0428  
gene score correlation: 0.4419



Nvec\_vc1.1\_XM\_001636622.3

OG: HLH.HG1.37:MNT

PFAM: HLH

motif: M05979\_2.00

TF family: HLH

archetype family: HLH

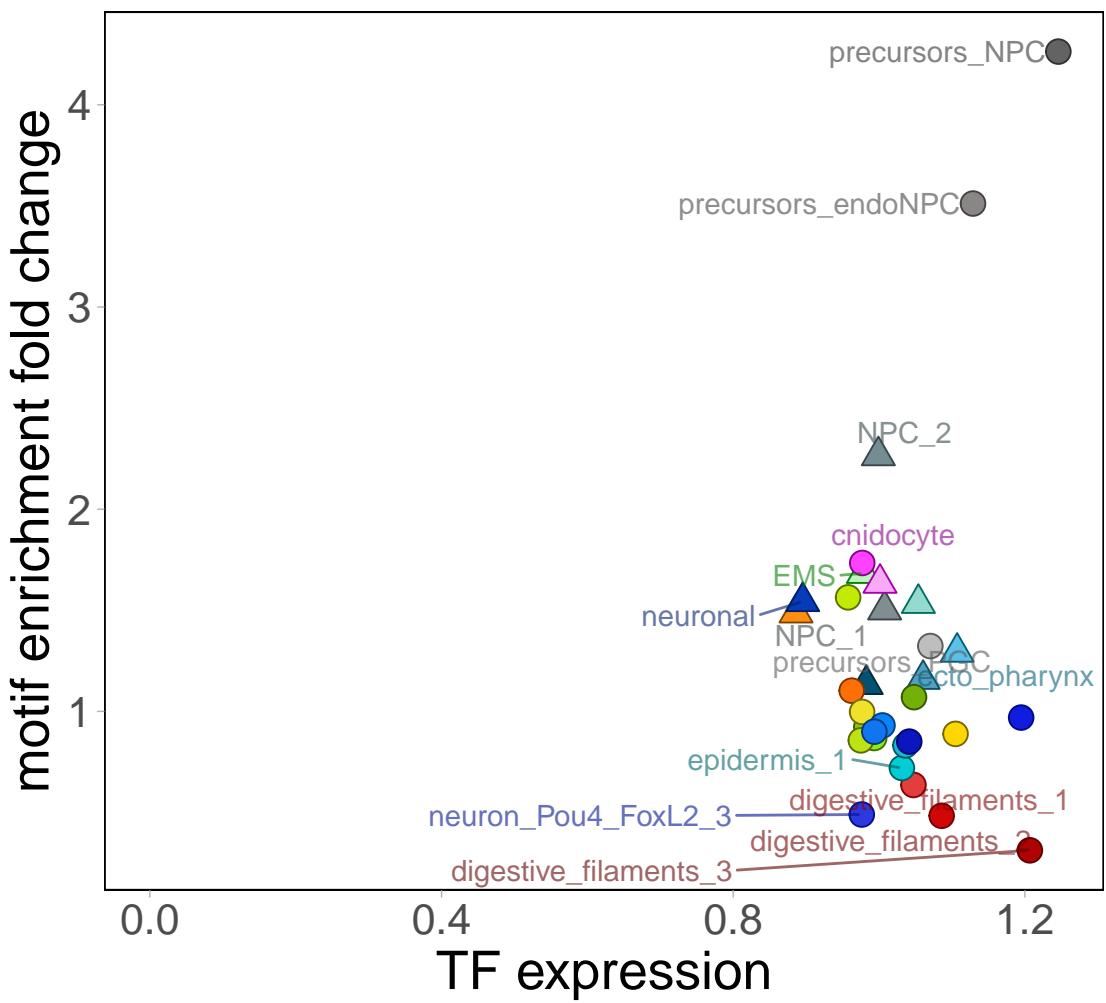
CisBP assigned: FALSE

rank: 0

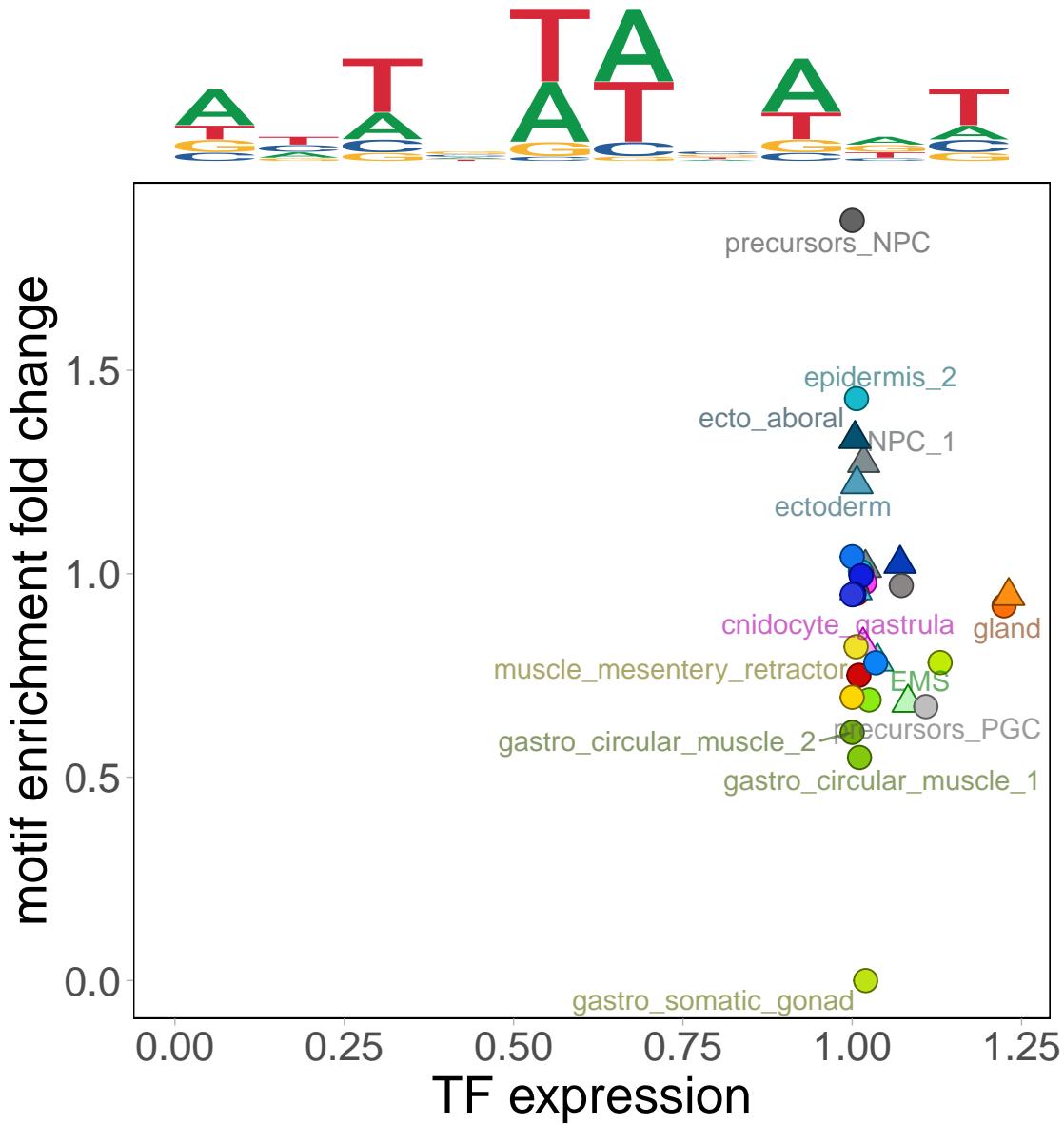
gene expression correlation: 0.2590

gene score correlation: 0.1262

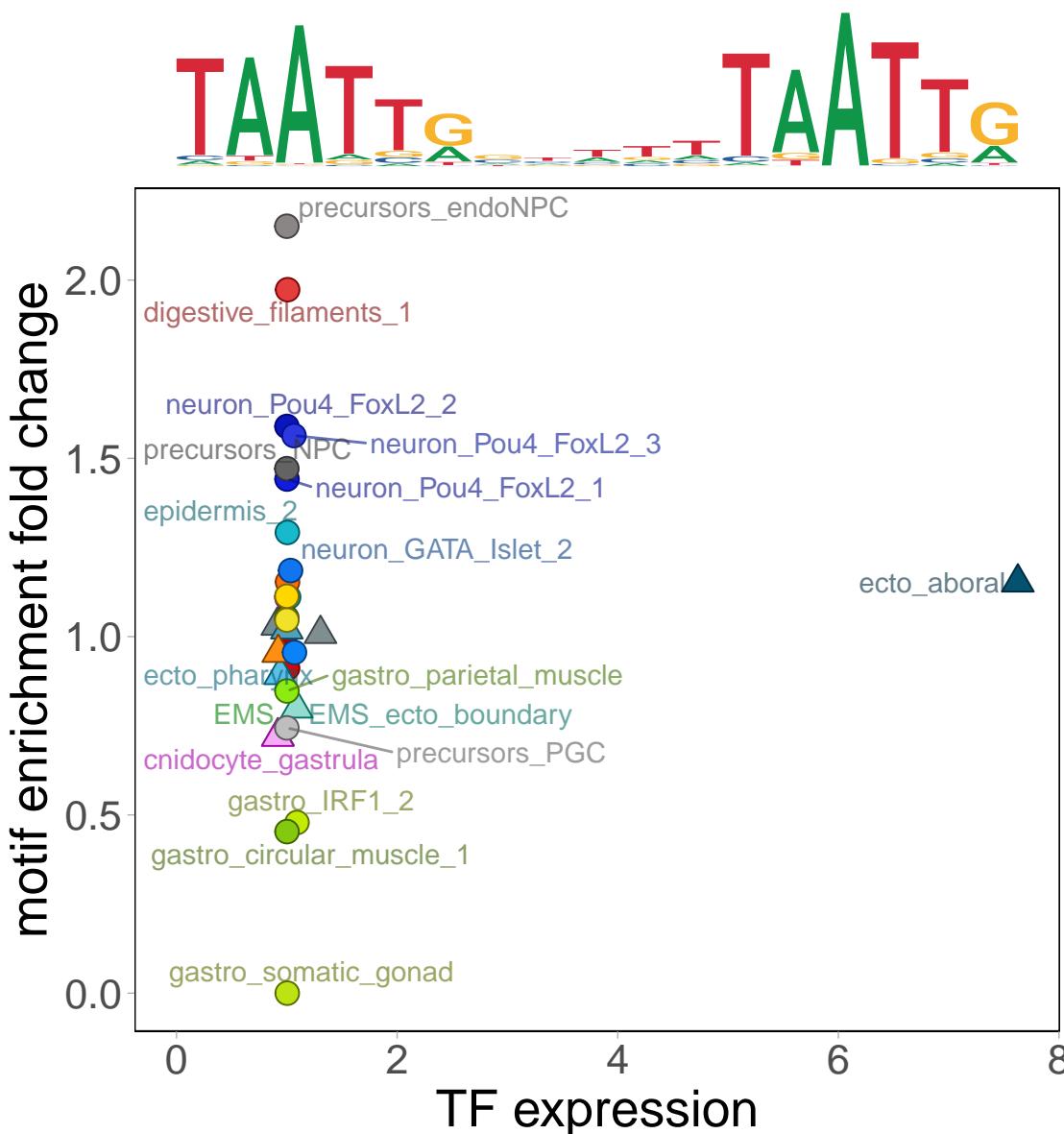
cCACGTG



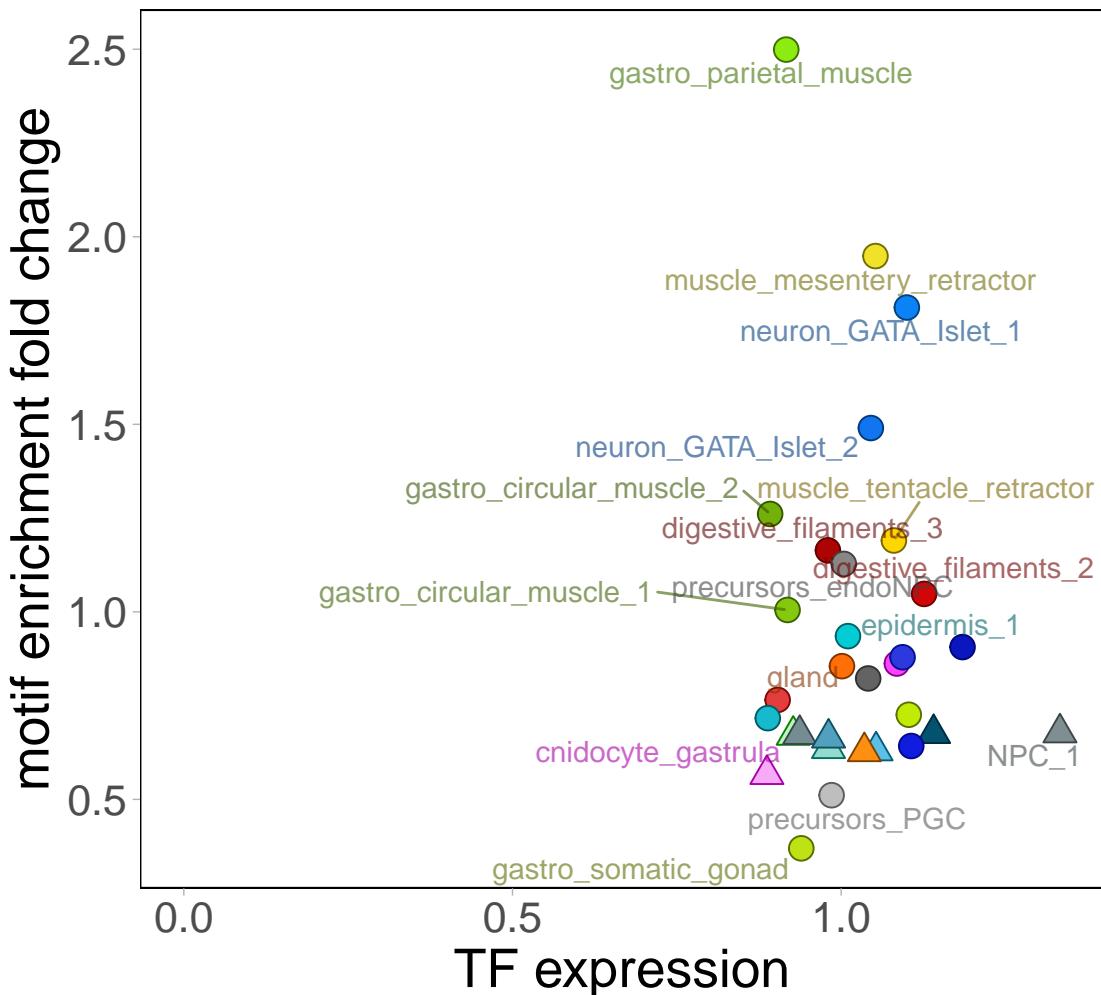
Nvec\_vc1.1\_XM\_001636859.3  
OG: Homeodomains.HG2.58:UNCX  
PFAM: Homeodomain/OAR  
motif: M02082\_2.00  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: TRUE  
rank: 0  
gene expression correlation: -0.1224  
gene score correlation: 0.1709



Nvec\_vc1.1\_XM\_001636862.3  
OG: Homeodomains.HG2.33:like:PAX1/  
PFAM: Homeodomain  
motif: ARCH299\_Alx3/Alx4/Alx1\_Barx...  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 3  
gene expression correlation: 0.0409  
gene score correlation: 0.1506



Nvec\_vc1.1\_XM\_001636971.3  
OG: GATA.HG2.1:RERE  
PFAM: BAH/ELM2/GATA  
motif: ARCH1456\_Gata3/Gata1/Gata2  
TF family: GATA  
archetype family: GATA  
CisBP assigned: TRUE  
rank: 60  
gene expression correlation: -0.0273  
gene score correlation: 0.3453



Nvec\_vc1.1\_XM\_001637044.3

OG: HLH.HG1.54:like:HES5/HES7

PFAM: HLH/Hairy\_orange

motif: ARCH1533\_BHLH112

TF family: HLH

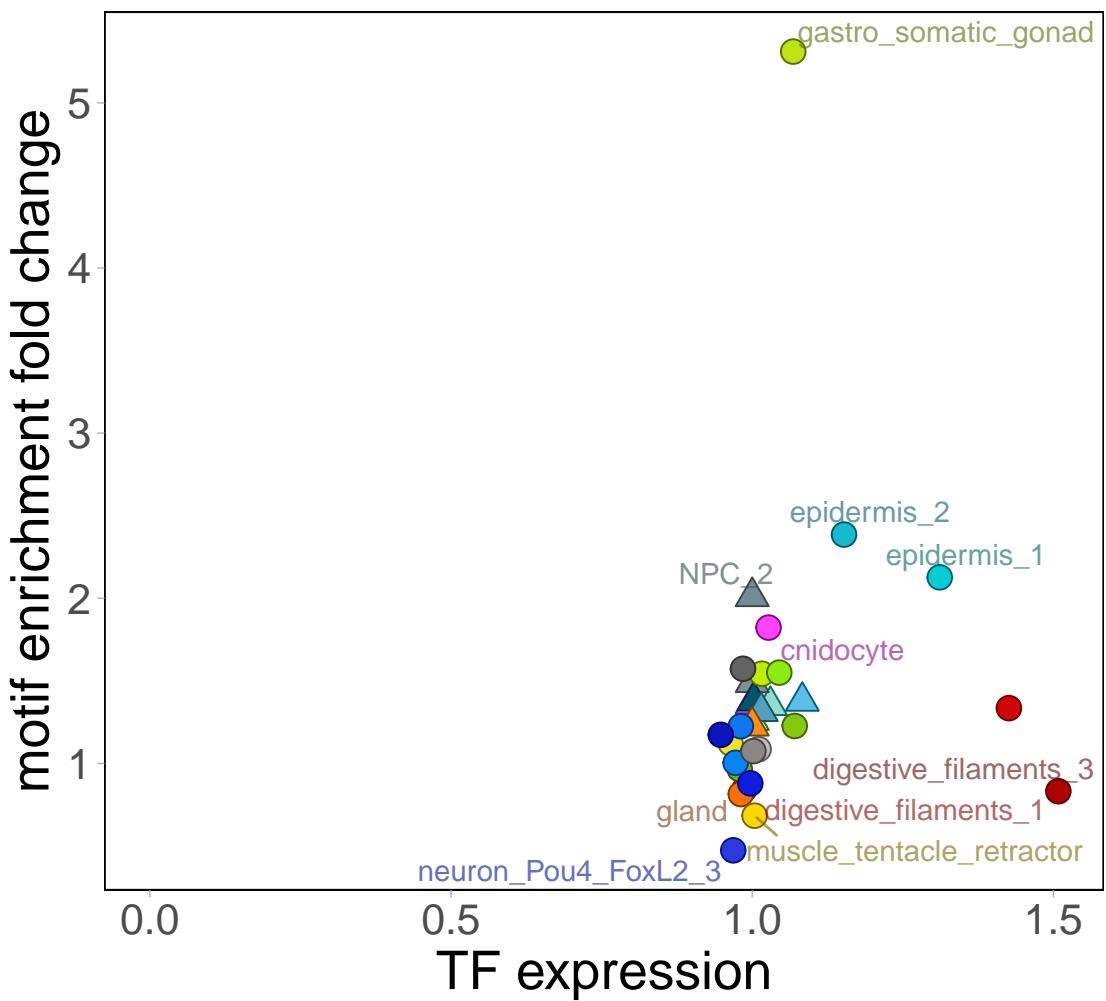
archetype family: HLH

CisBP assigned: FALSE

rank: 282

gene expression correlation: 0.1205

gene score correlation: 0.0985



Nvec\_vc1.1\_XM\_001637155.3

OG: Myb.HG5.0:DMAP1

PFAM: SANT\_DAMP1\_like/DMAP1

motif: ARCH193\_MYB116

TF family: Myb

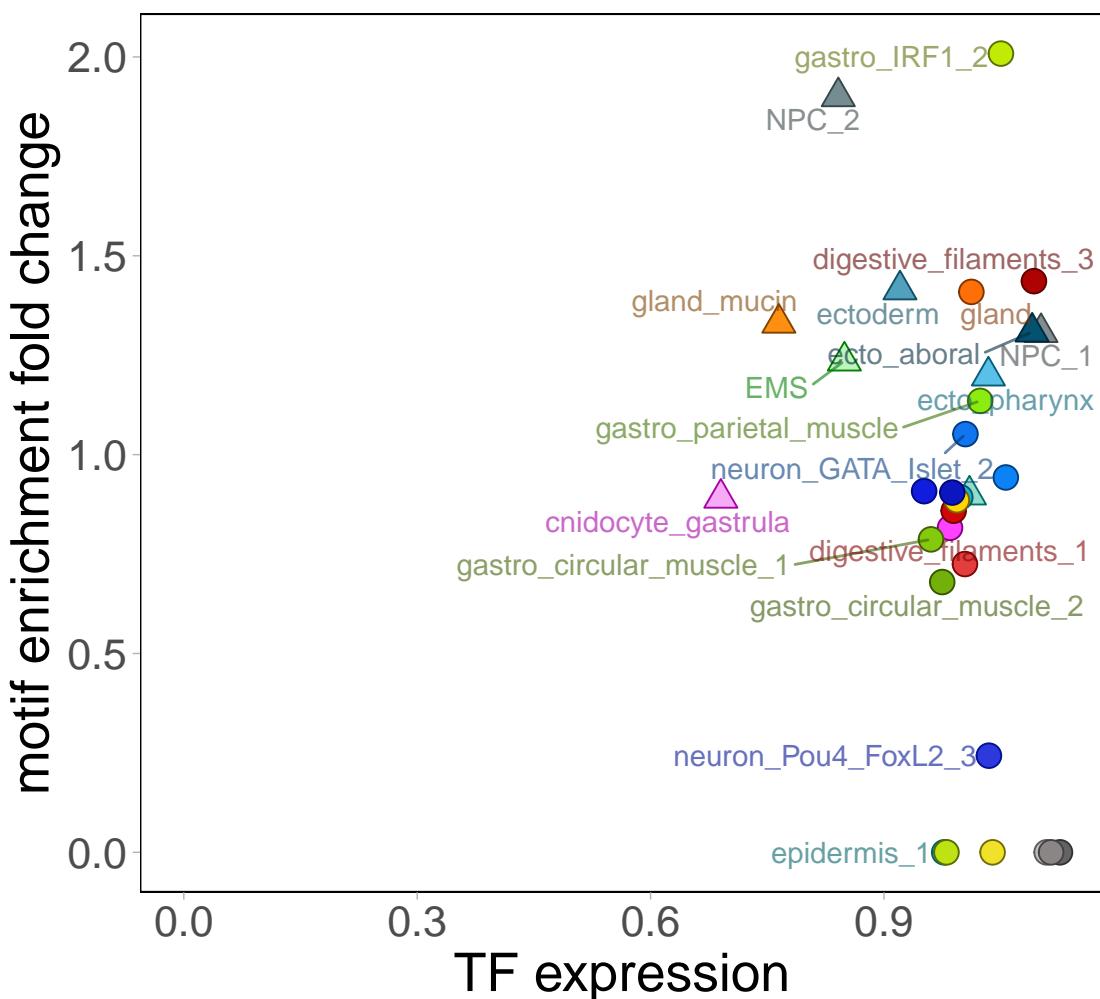
archetype family: Myb

CisBP assigned: FALSE

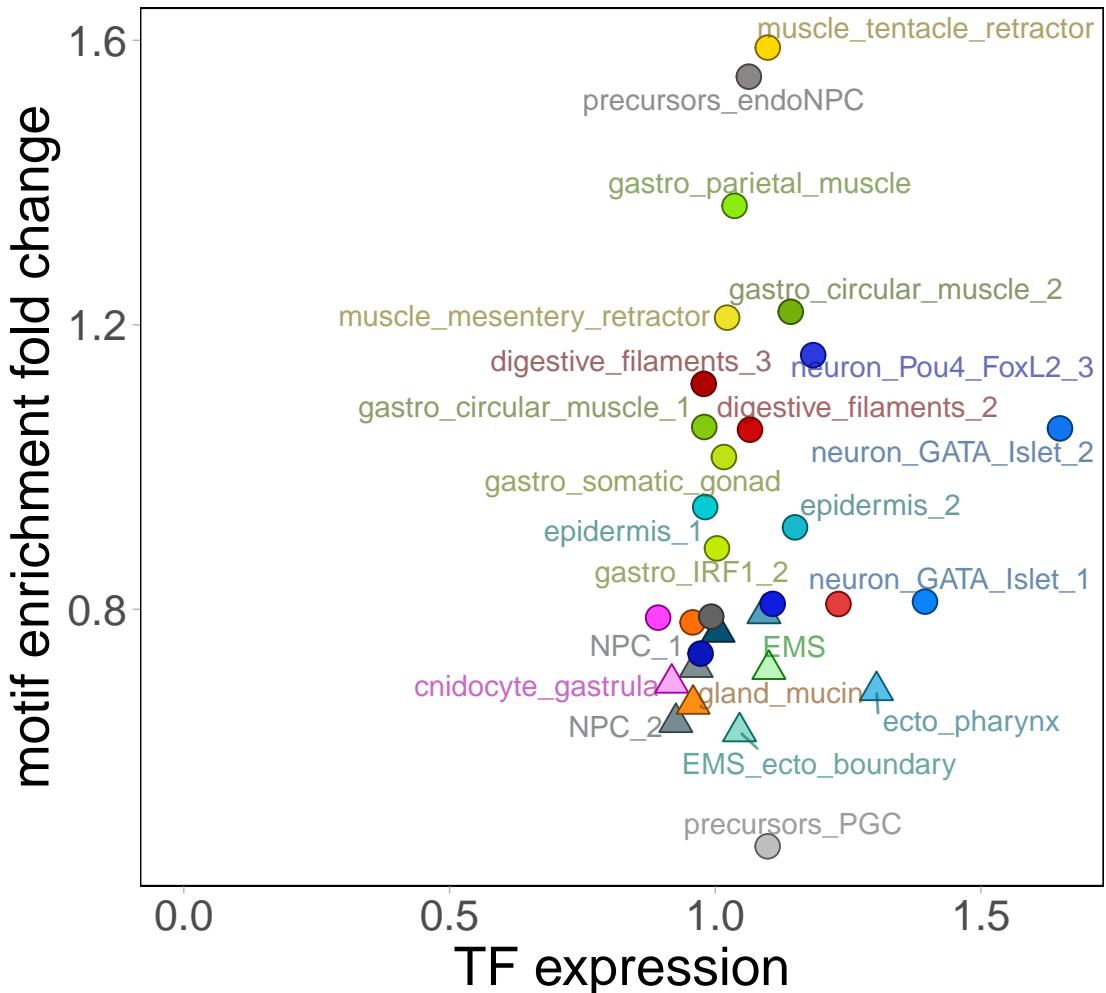
rank: 89

gene expression correlation: -0.2882

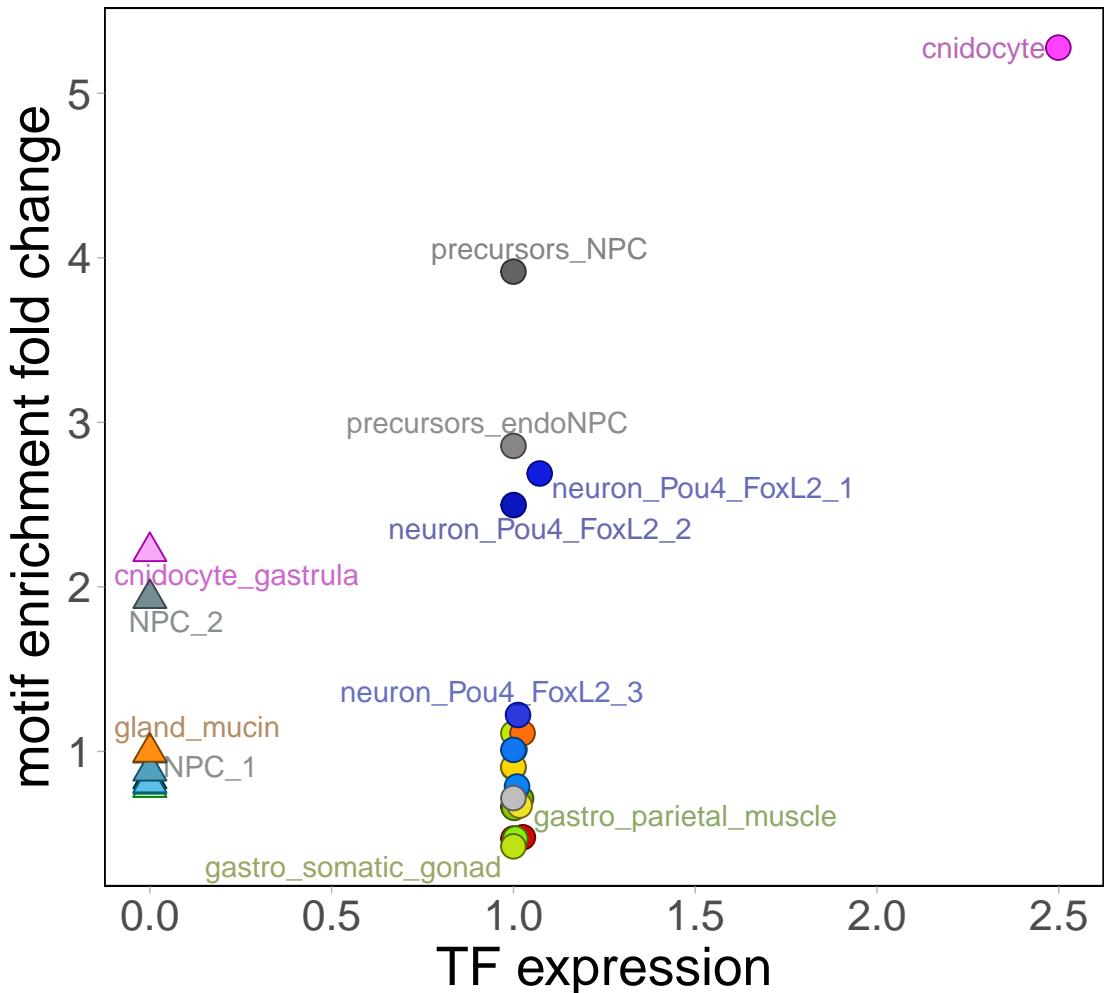
gene score correlation: 0.0958



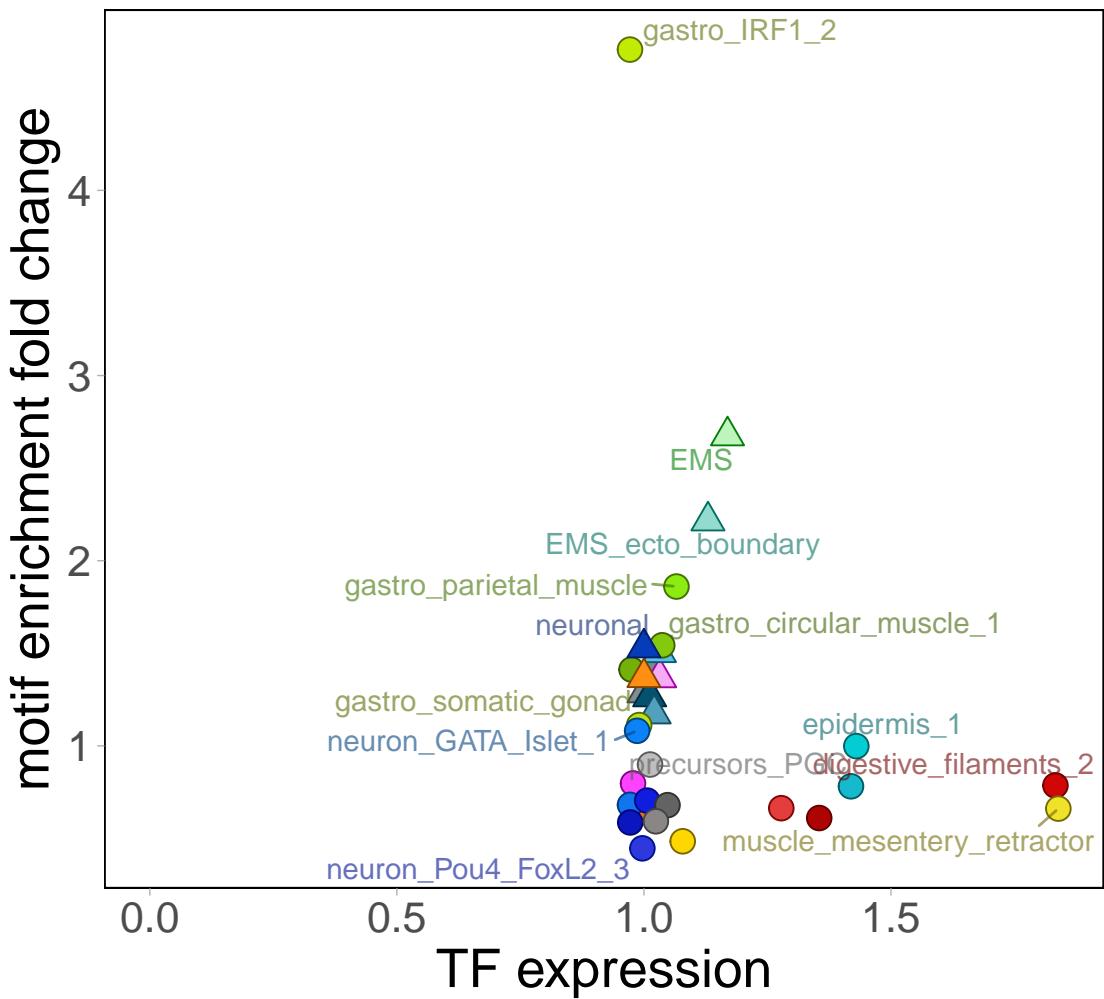
Nvec\_vc1.1\_XM\_001637190.3  
OG: zf-C2H2.HG4.11:GLIS1/GLIS3  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH1043\_ZNF652  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 27  
gene expression correlation: 0.1203  
gene score correlation: 0.3344



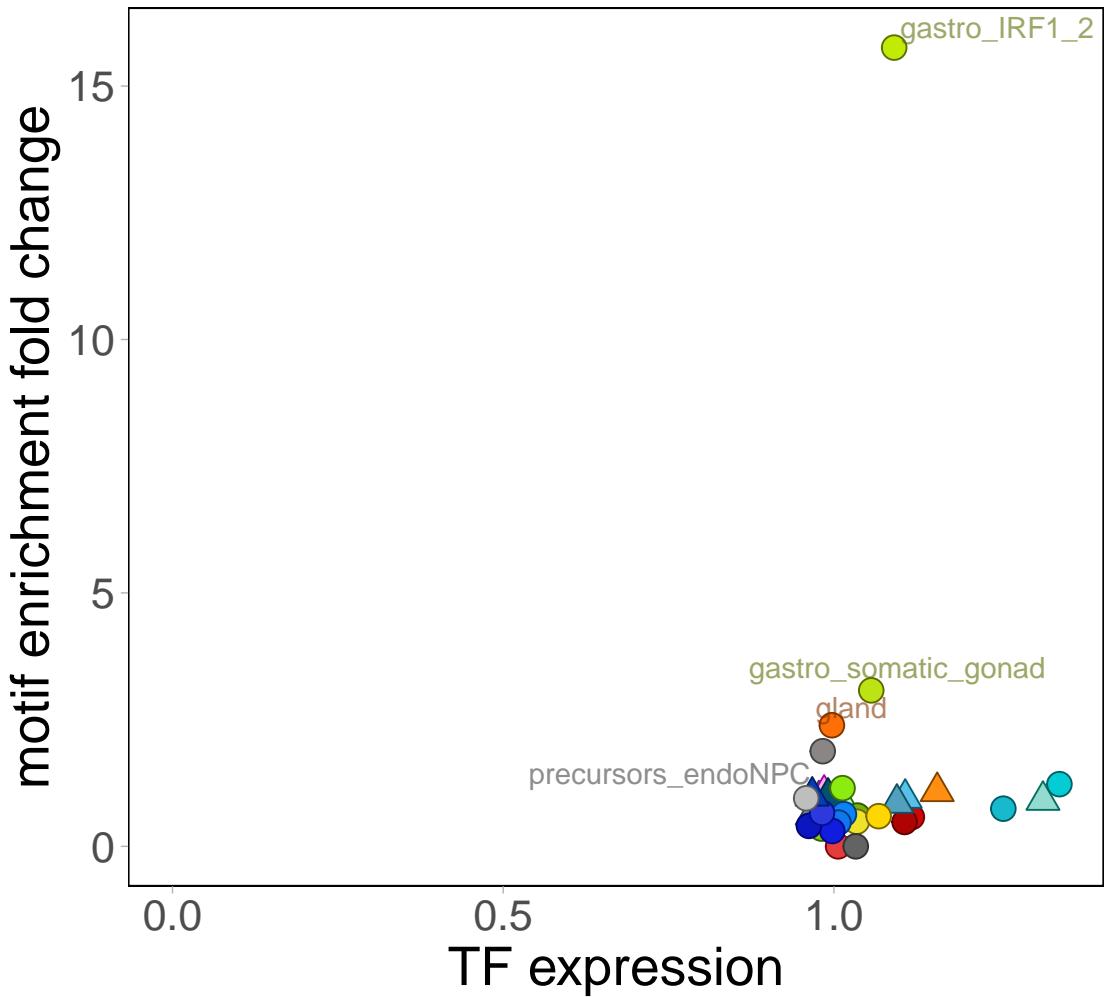
Nvec\_vc1.1\_XM\_001637272.3  
OG: zf-C2H2.HG95.1:NA  
PFAM: HNF-1\_N/zf-C2H2/zf-C2H2/zf-  
motif: ARCH861\_Scrt2/Scrt1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 1  
gene expression correlation: 0.4060  
gene score correlation: 0.7692



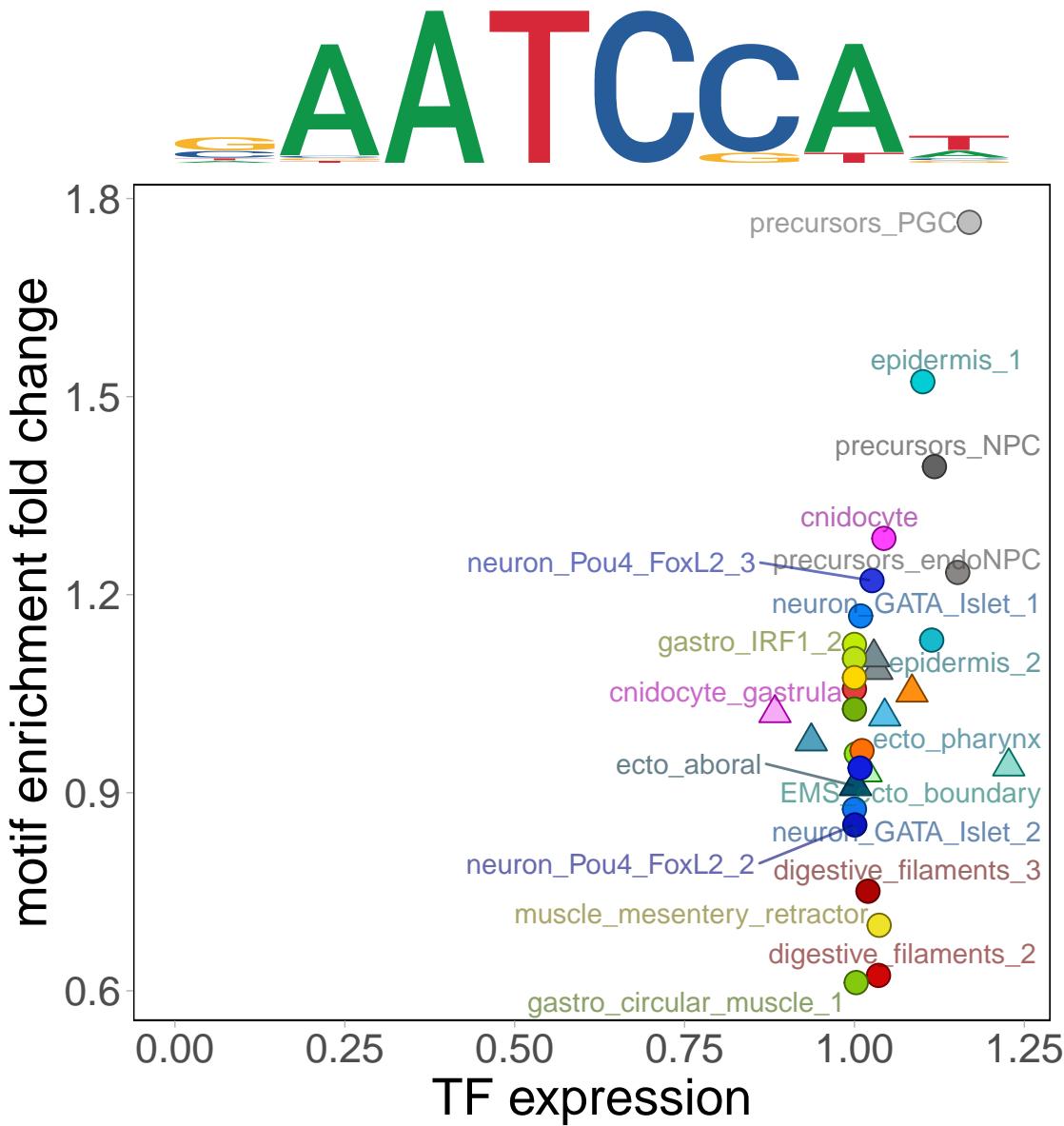
Nvec\_vc1.1\_XM\_001637374.3  
OG: Ets.HG1.2:ELK1/ELK3/ELK4  
PFAM: Ets  
motif: Nvec\_vc1.1\_XM\_001637374.3\_E  
TF family: Ets  
archetype family: Ets  
CisBP assigned: TRUE  
rank: 0  
gene expression correlation: -0.1946  
gene score correlation: 0.2831



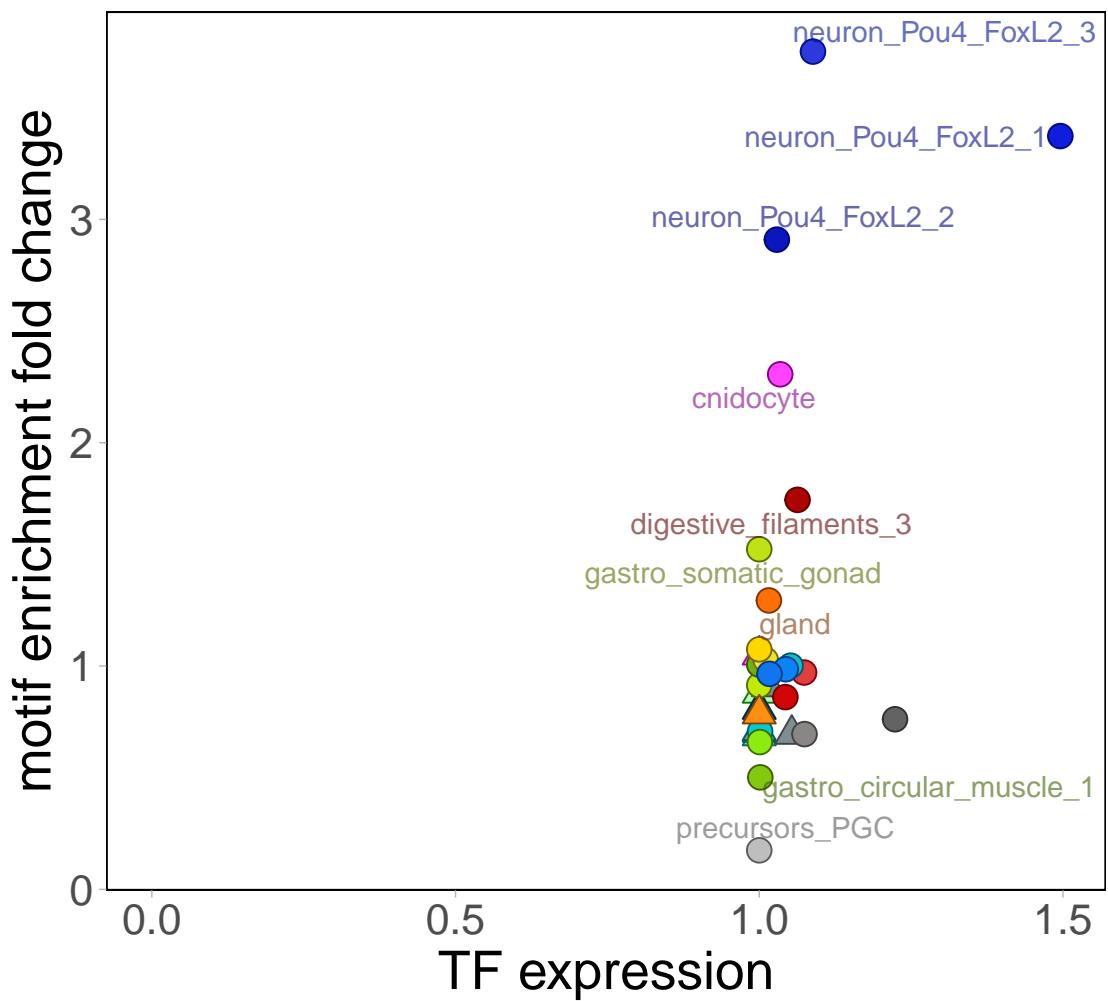
Nvec\_vc1.1\_XM\_001637508.3  
OG: IRF.HG1.1:IRF1/IRF2/IRF3/IRF4/IRF5  
PFAM: IRF  
motif: Nvec\_vc1.1\_XM\_001637508.3\_IRF  
TF family: IRF  
archetype family: IRF  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.0891  
gene score correlation: 0.4042



Nvec\_vc1.1\_XM\_001637529.3  
OG: Myb.HG1.2:DMTF1/TTF1  
PFAM: Myb\_DNA-binding/Myb\_DNA-b  
motif: ARCH153\_Msantd2\_Rcor1/Rcor2  
TF family: Myb  
archetype family: Myb  
CisBP assigned: FALSE  
rank: 364  
gene expression correlation: 0.4348  
gene score correlation: 0.0196



Nvec\_vc1.1\_XM\_001637733.3  
OG: Homeodomains.HG1.67:GSX1/GS  
PFAM: Homeodomain  
motif: ARCH103\_Hnf1a/Hnf1b  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 32  
gene expression correlation: 0.5237  
gene score correlation: 0.2514



Nvec\_vc1.1\_XM\_001638266.3

OG: bZIP.HG1.0:CREBL2

PFAM: bZIP\_2

motif: Crebl2\_250224\_streme

TF family: bZIP

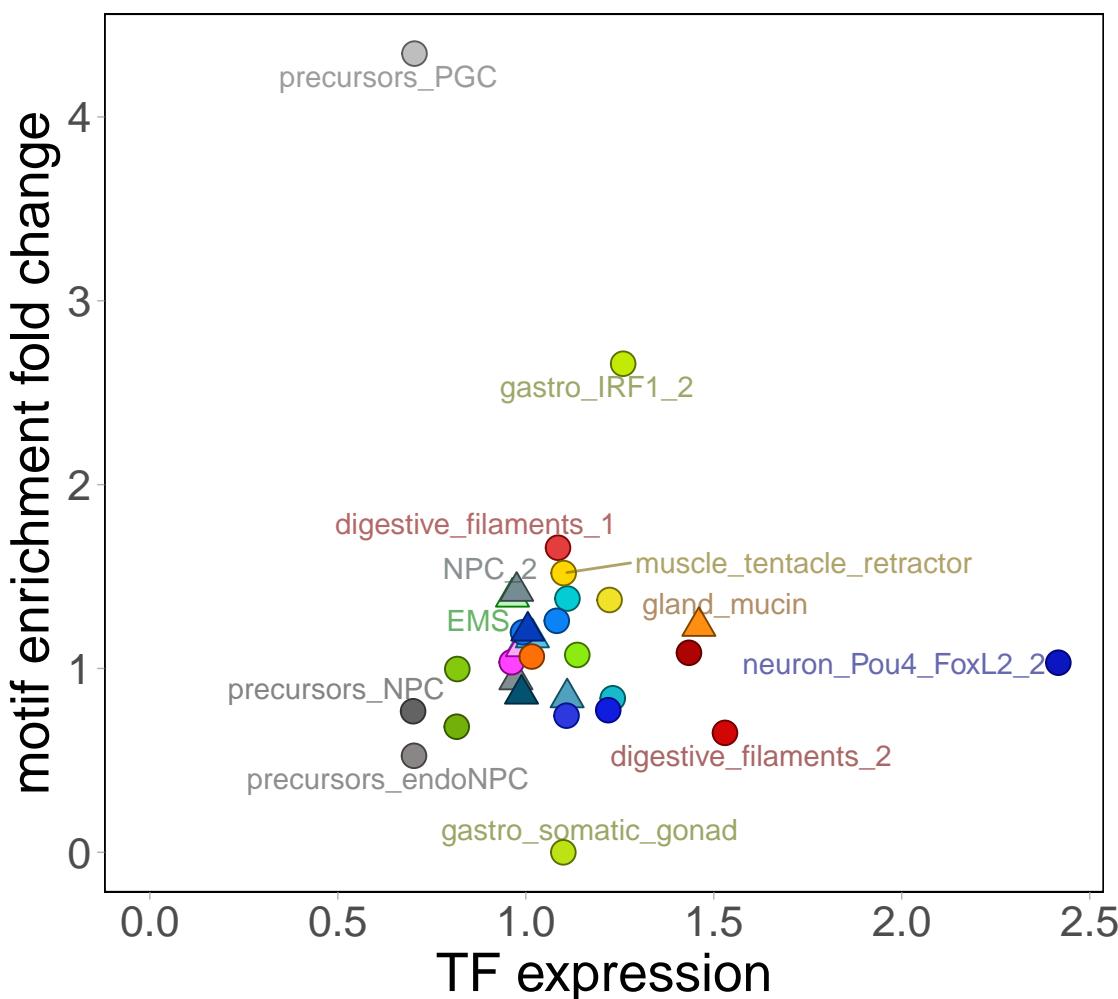
archetype family: bZIP

CisBP assigned: FALSE

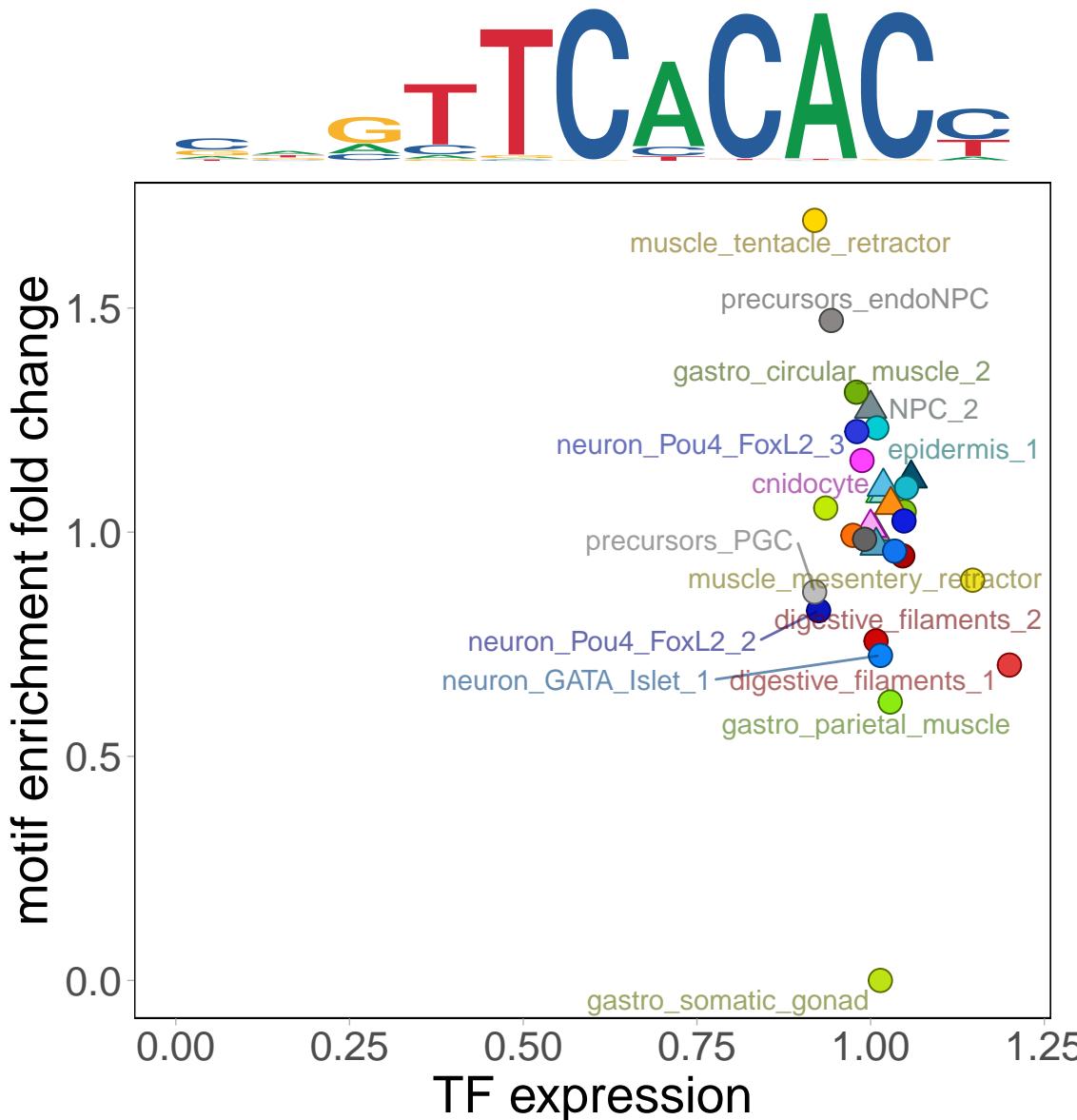
rank: 0

gene expression correlation: -0.1265

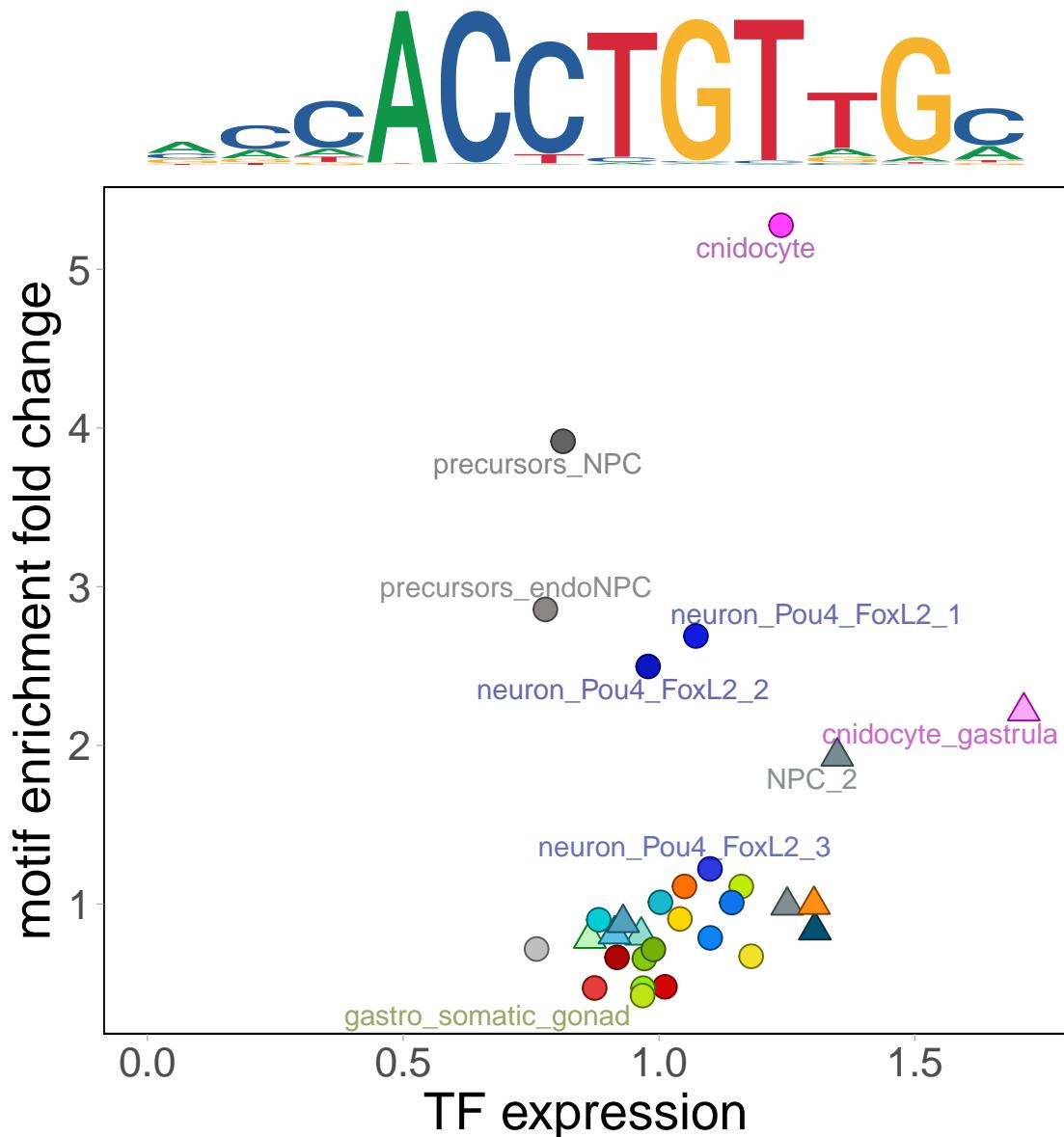
gene score correlation: 0.0172



Nvec\_vc1.1\_XM\_001638641.3  
OG: zf-C2H2.HG2.4:MTF1/ZNF76/ZNF  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: ARCH836\_M08316\_2.00\_\_M089  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 32  
gene expression correlation: -0.3236  
gene score correlation: 0.0680



Nvec\_vc1.1\_XM\_001638761.3  
OG: zf-C2H2.HG16.2:like:TRERF1/ZNF  
PFAM: zf-C2H2/zf-C2H2\_6/ELM2  
motif: ARCH861\_Scrt2/Scrt1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 322  
gene expression correlation: 0.1562  
gene score correlation: 0.2688



Nvec\_vc1.1\_XM\_001638841.3

OG: Forkhead.HG1.22:FOXG1

PFAM: Forkhead

motif: ARCH829\_PB0121.1\_Foxj3\_2

TF family: Forkhead

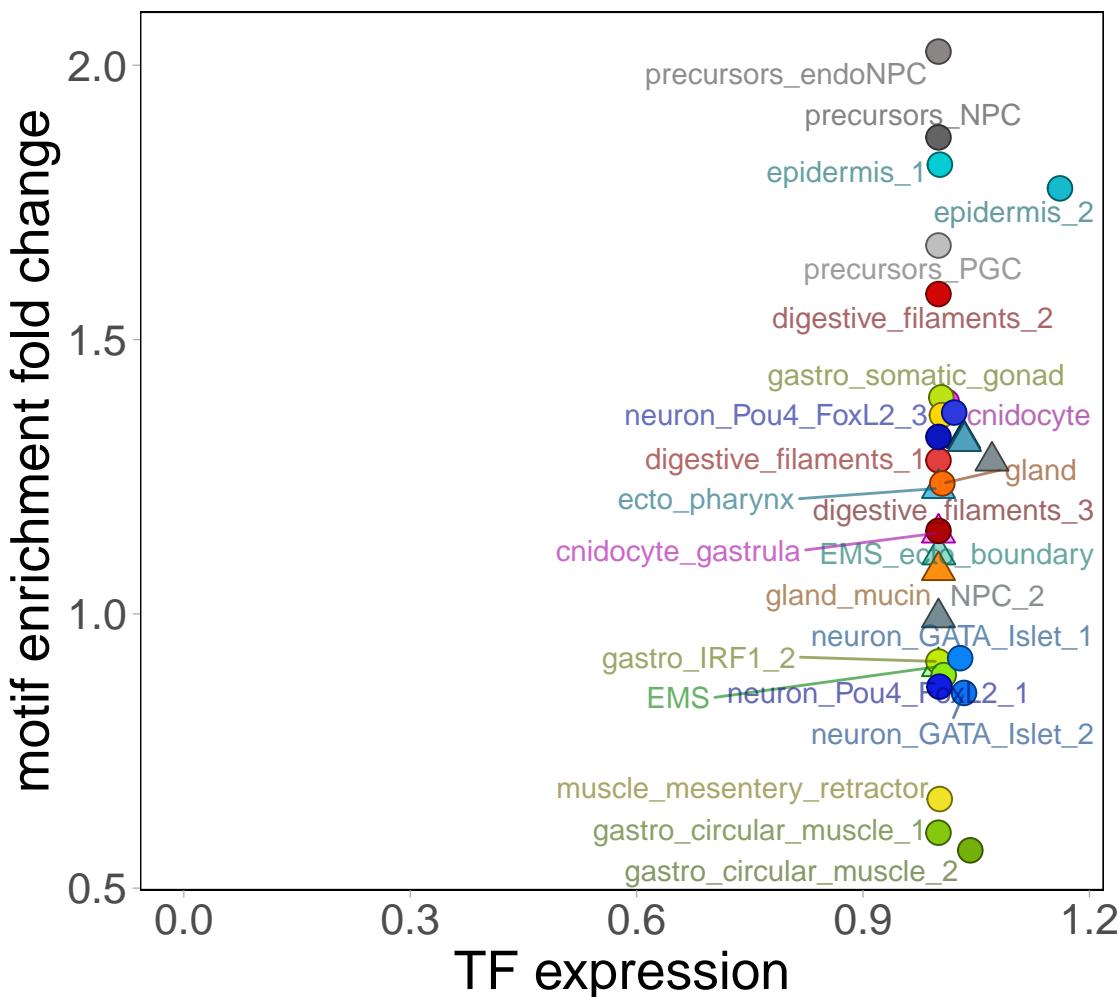
archetype family: Forkhead

CisBP assigned: FALSE

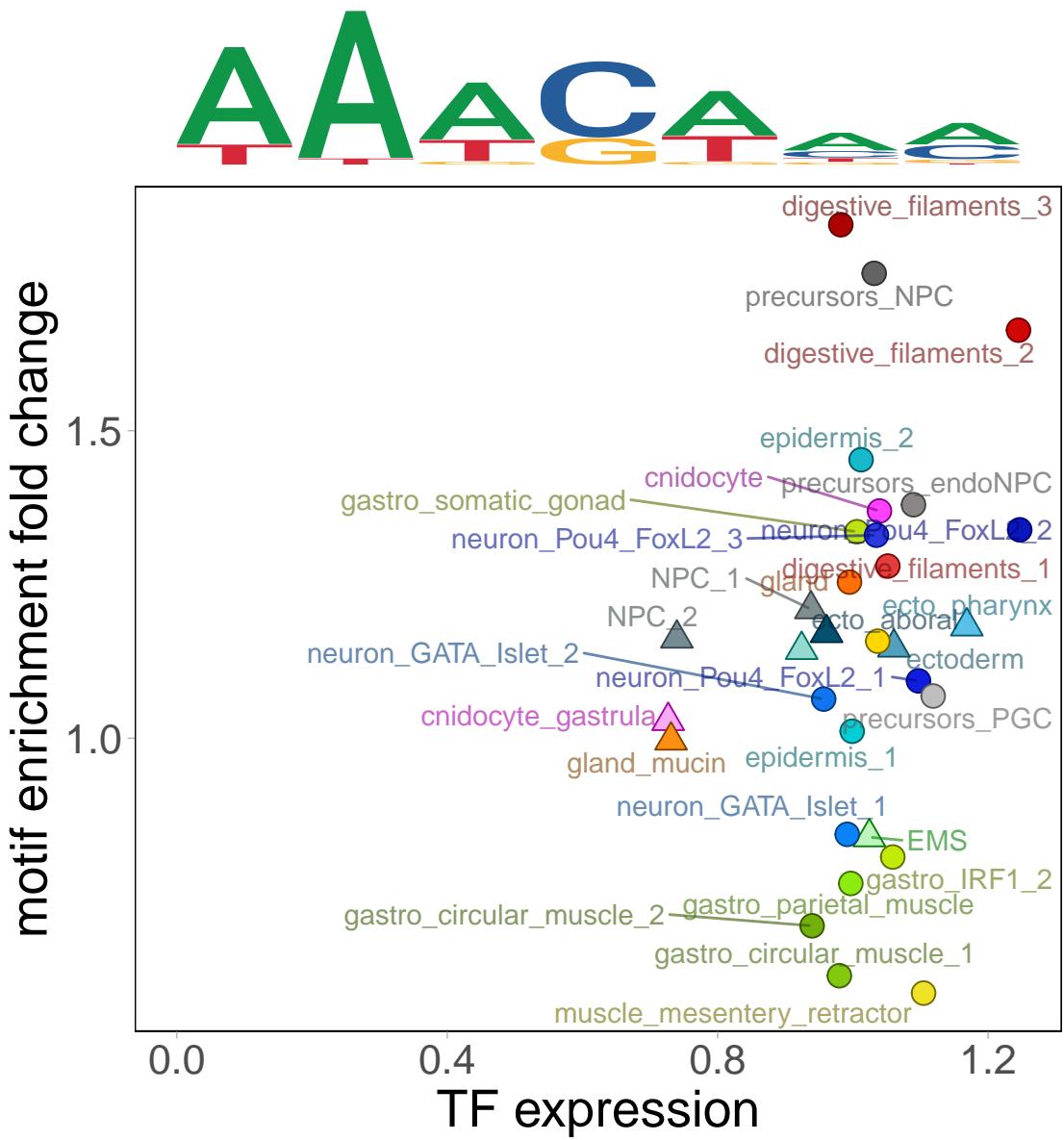
rank: 1

gene expression correlation: 0.1534

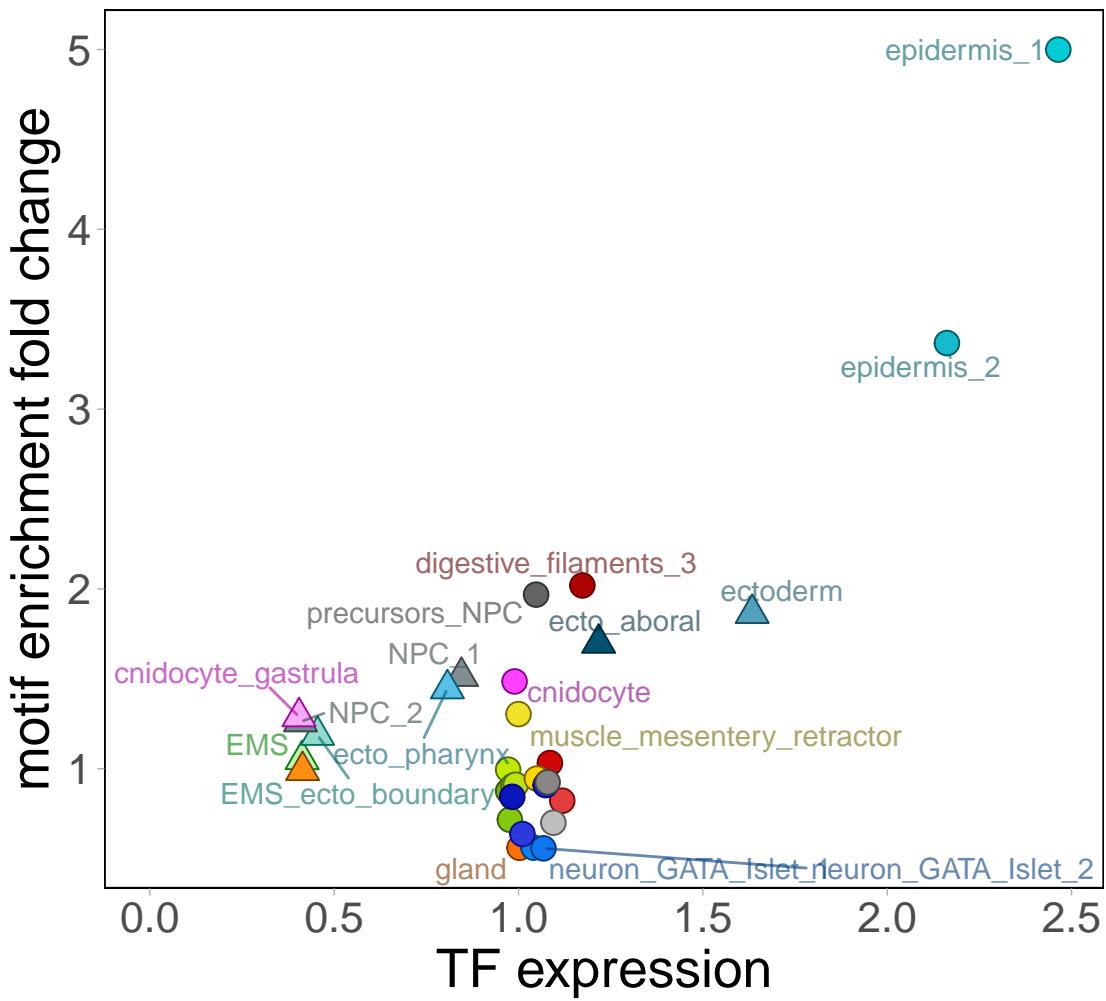
gene score correlation: 0.5891



Nvec\_vc1.1\_XM\_001638852.3  
OG: HMGbox\_Sox.HG1.47:like:NSD2  
PFAM: HMG\_box/HMG\_box/HMG\_box  
motif: ARCH1177\_Sox4/Sox11\_Sox13/  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: FALSE  
rank: 165  
gene expression correlation: 0.2208  
gene score correlation: 0.0457



Nvec\_vc1.1\_XM\_001639101.3  
OG: Homeodomains.HG2.27:like:PAX1/  
PFAM: PAX/Homeodomain  
motif: ARCH873\_Pax5/Pax8/Pax2  
TF family: Pax/Homeodomain  
archetype family: Pax/Homeodomain  
CisBP assigned: TRUE  
rank: 1  
gene expression correlation: 0.7261  
gene score correlation: 0.9313



Nvec\_vc1.1\_XM\_001639164.3

OG: Homeodomains.HG2.36:like:AC025

PFAM: Homeodomain

motif: ARCH41\_Alx3/Alx4/Alx1\_Barx2...

TF family: Homeodomains

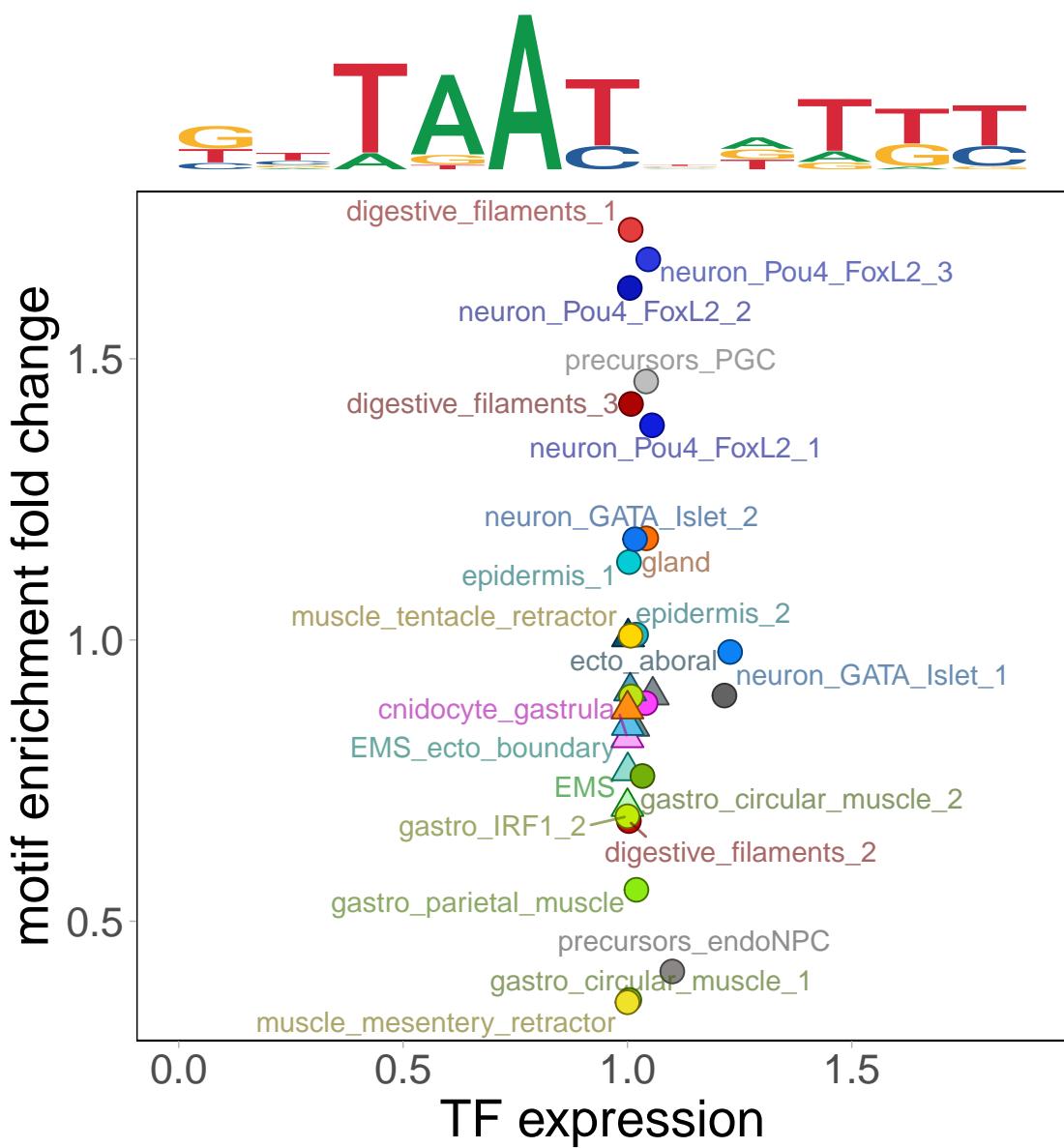
archetype family: Homeodomains

CisBP assigned: TRUE

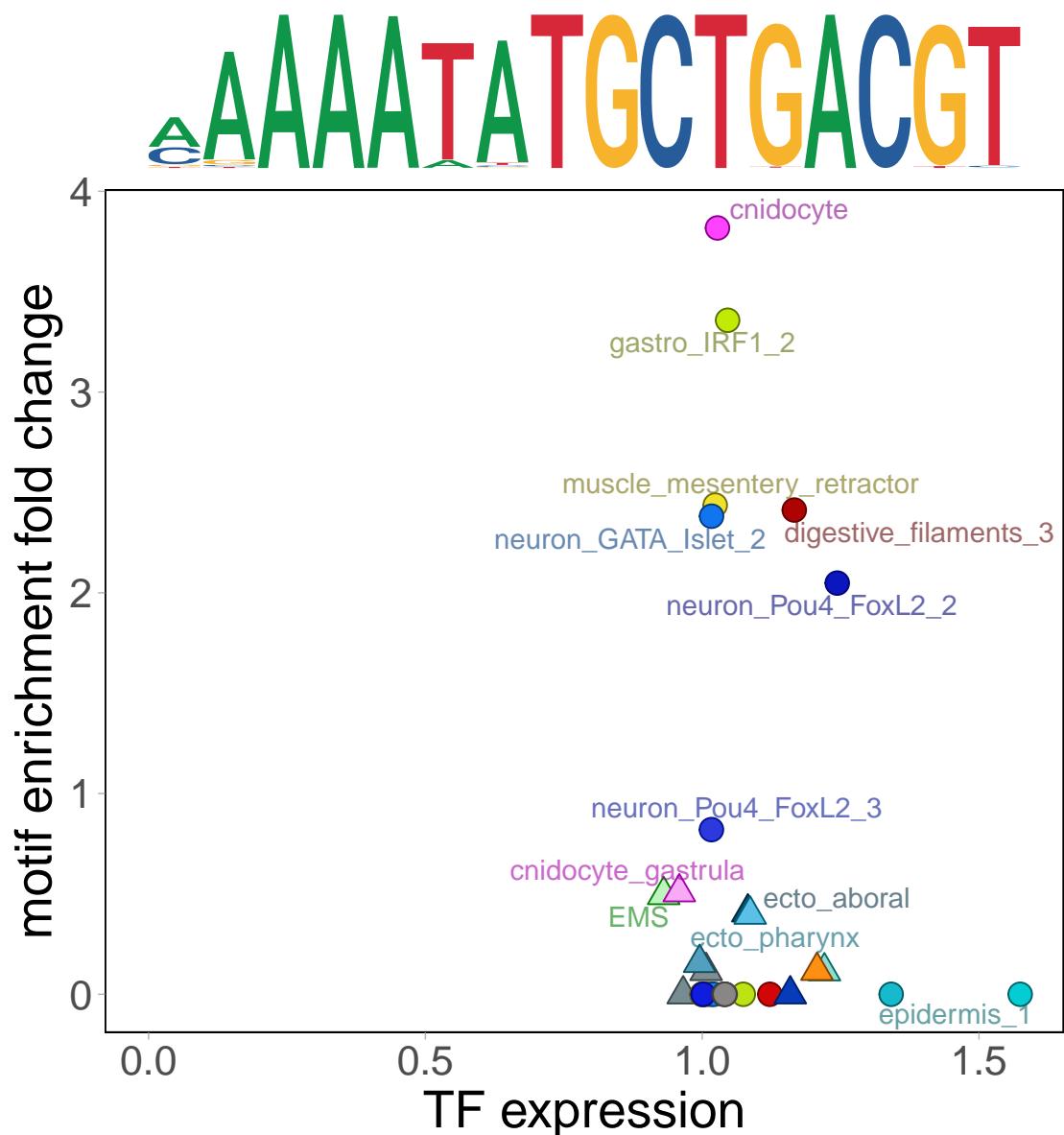
rank: 56

gene expression correlation: 0.0134

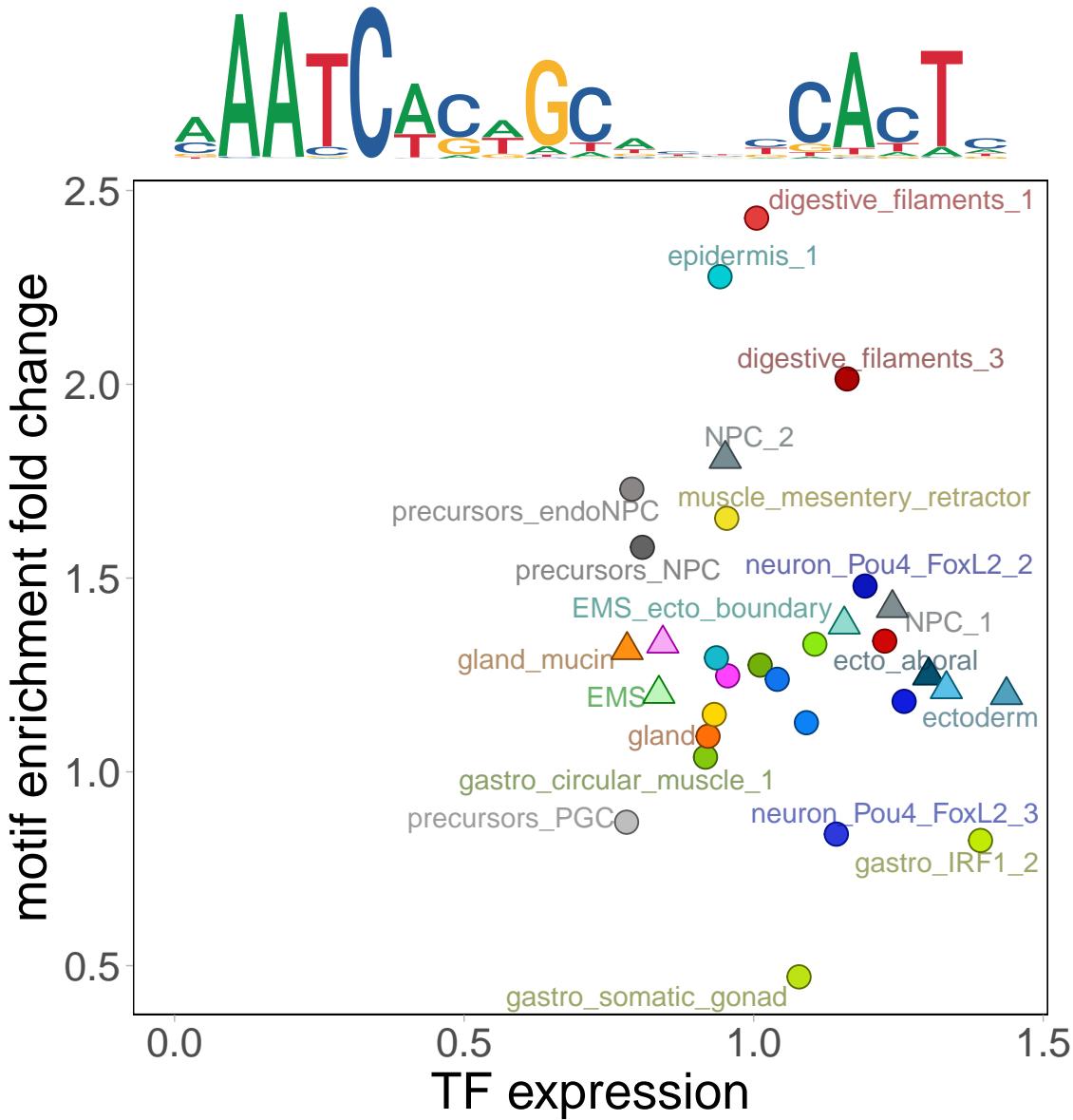
gene score correlation: 0.1737



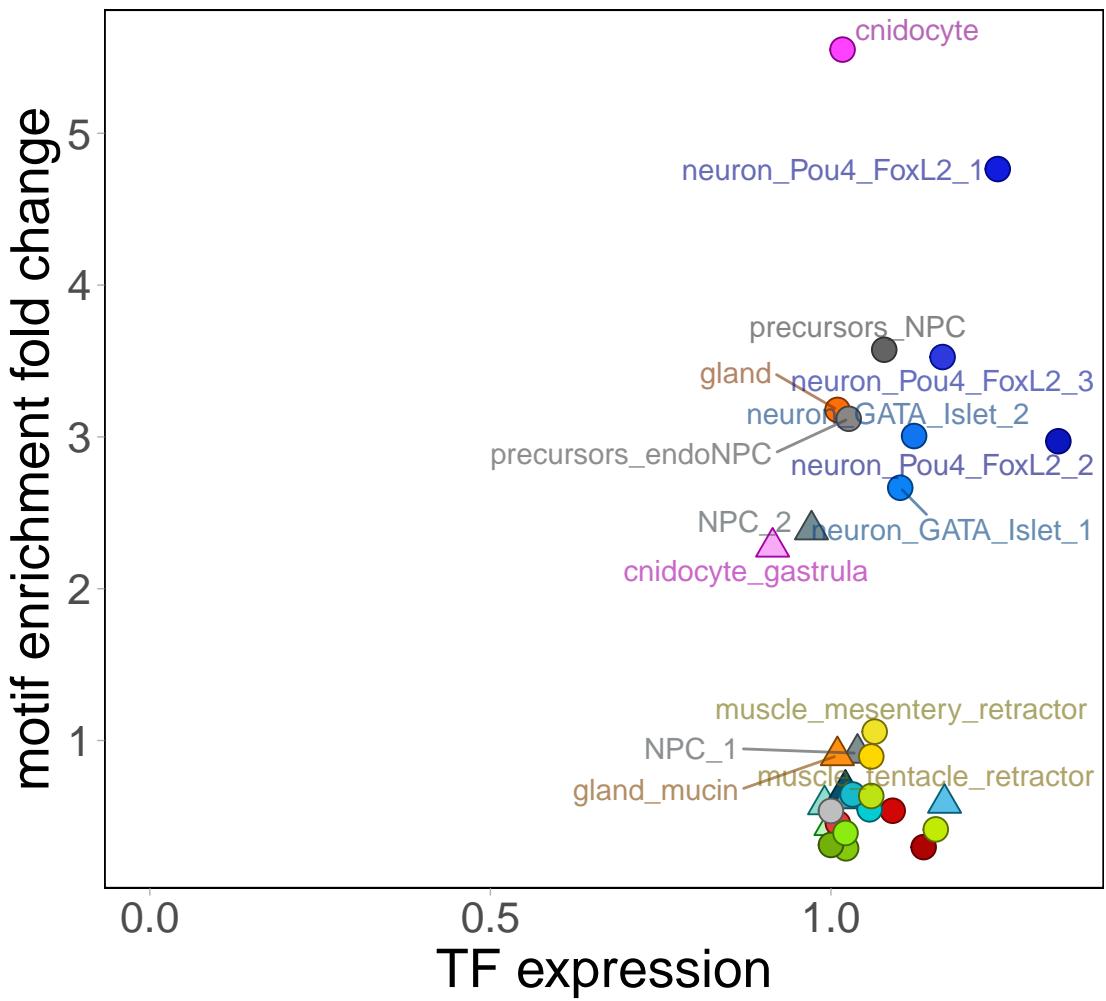
Nvec\_vc1.1\_XM\_001639307.3  
OG: bZIP.HG3.3:like:MAF/MAFA/MAFB  
PFAM: bZIP\_Maf  
motif: Nvec\_vc1.1\_XM\_001639307.3\_b  
TF family: bZIP  
archetype family: bZIP  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.0361  
gene score correlation: -0.2481



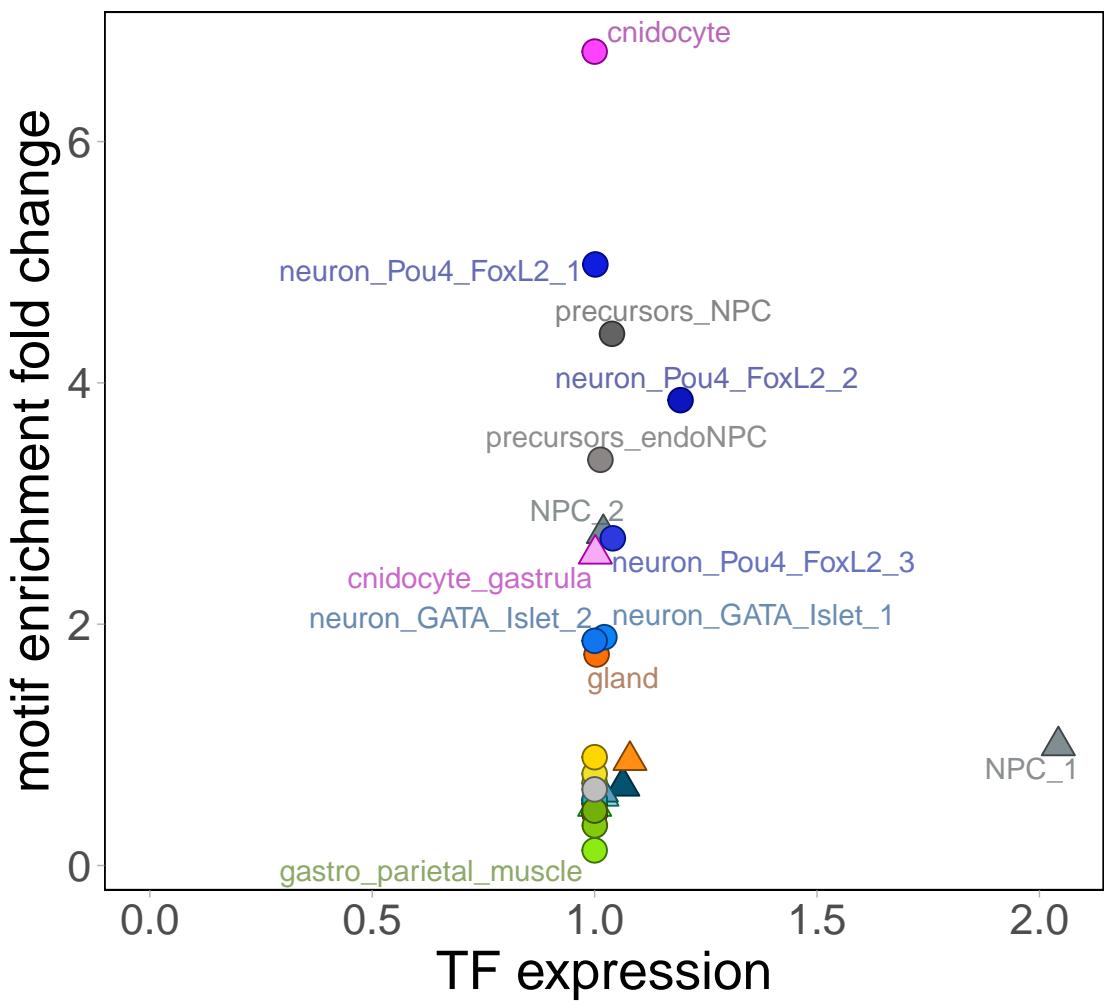
Nvec\_vc1.1\_XM\_001639547.3  
OG: zf-C2H2.HG2.11:KLF10/KLF11  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH1345\_Gfi1b/Gfi1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 14  
gene expression correlation: -0.1760  
gene score correlation: 0.2029



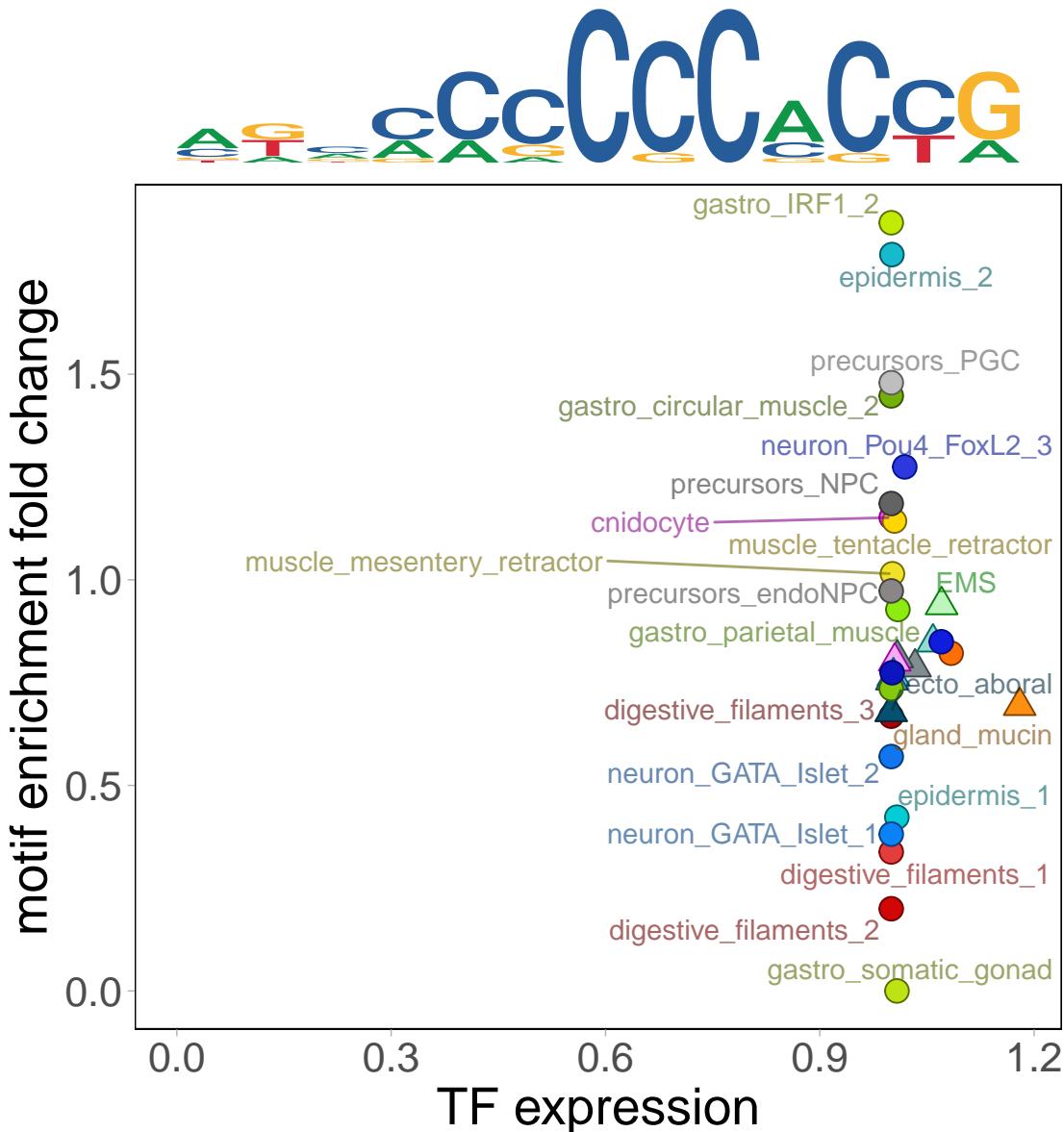
Nvec\_vc1.1\_XM\_001639692.3  
OG: HLH.HG1.0:AC019117.4/AHR/AHF  
PFAM: HLH/PAS/PAS\_11  
motif: ARCH867\_ZEB1\_PL0011.1\_hlh  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 30  
gene expression correlation: 0.2916  
gene score correlation: 0.3492



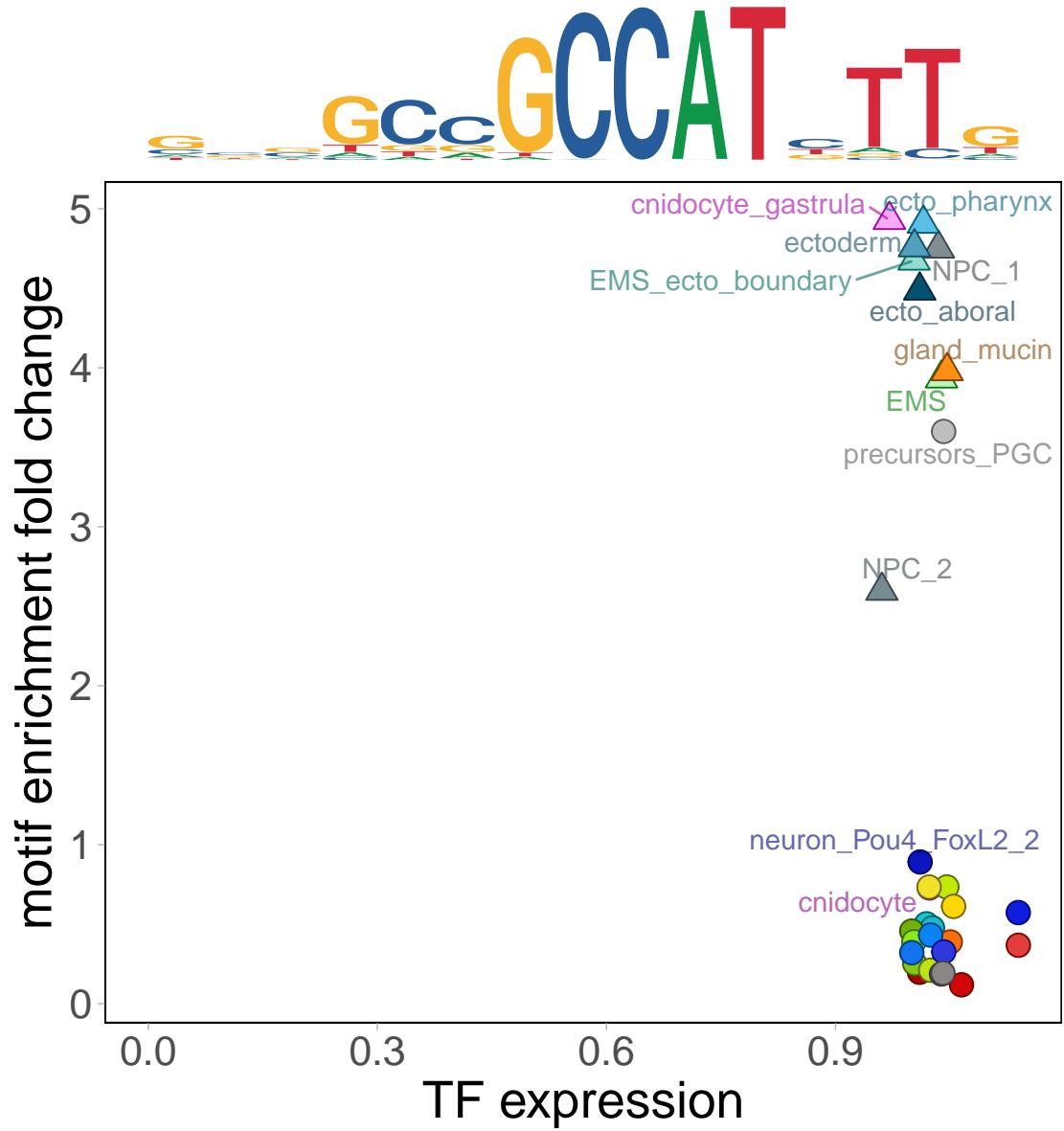
Nvec\_vc1.1\_XM\_001639705.3  
OG: zf-C2H2.HG1.30:like:AC008758.1/  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH480\_Snai2  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 17  
gene expression correlation: -0.0097  
gene score correlation: 0.2444



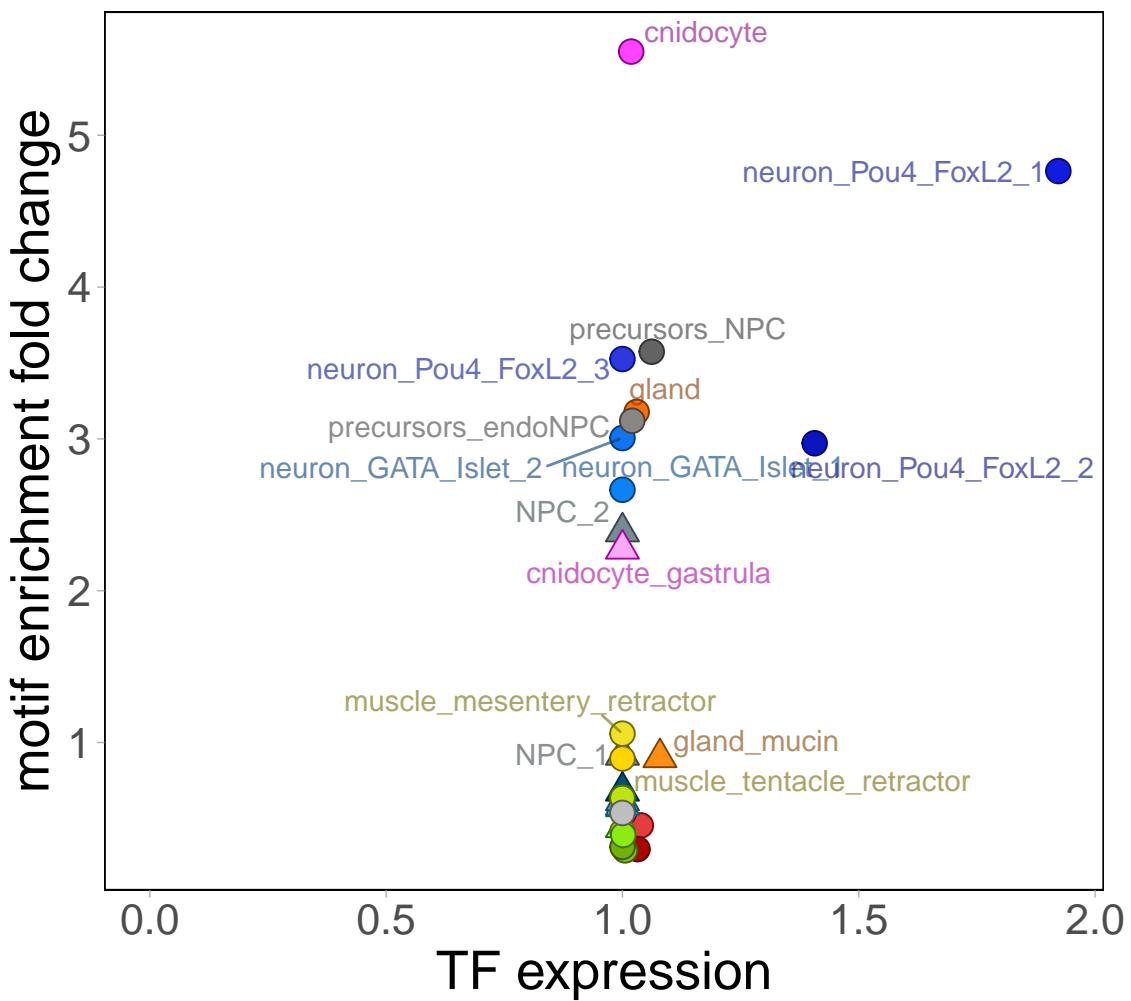
Nvec\_vc1.1\_XM\_001639717.3  
OG: zf-C2H2.HG1.35:FEZF1/FEZF2/G  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: ARCH502\_M06063\_2.00  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 23  
gene expression correlation: -0.0838  
gene score correlation: 0.0187



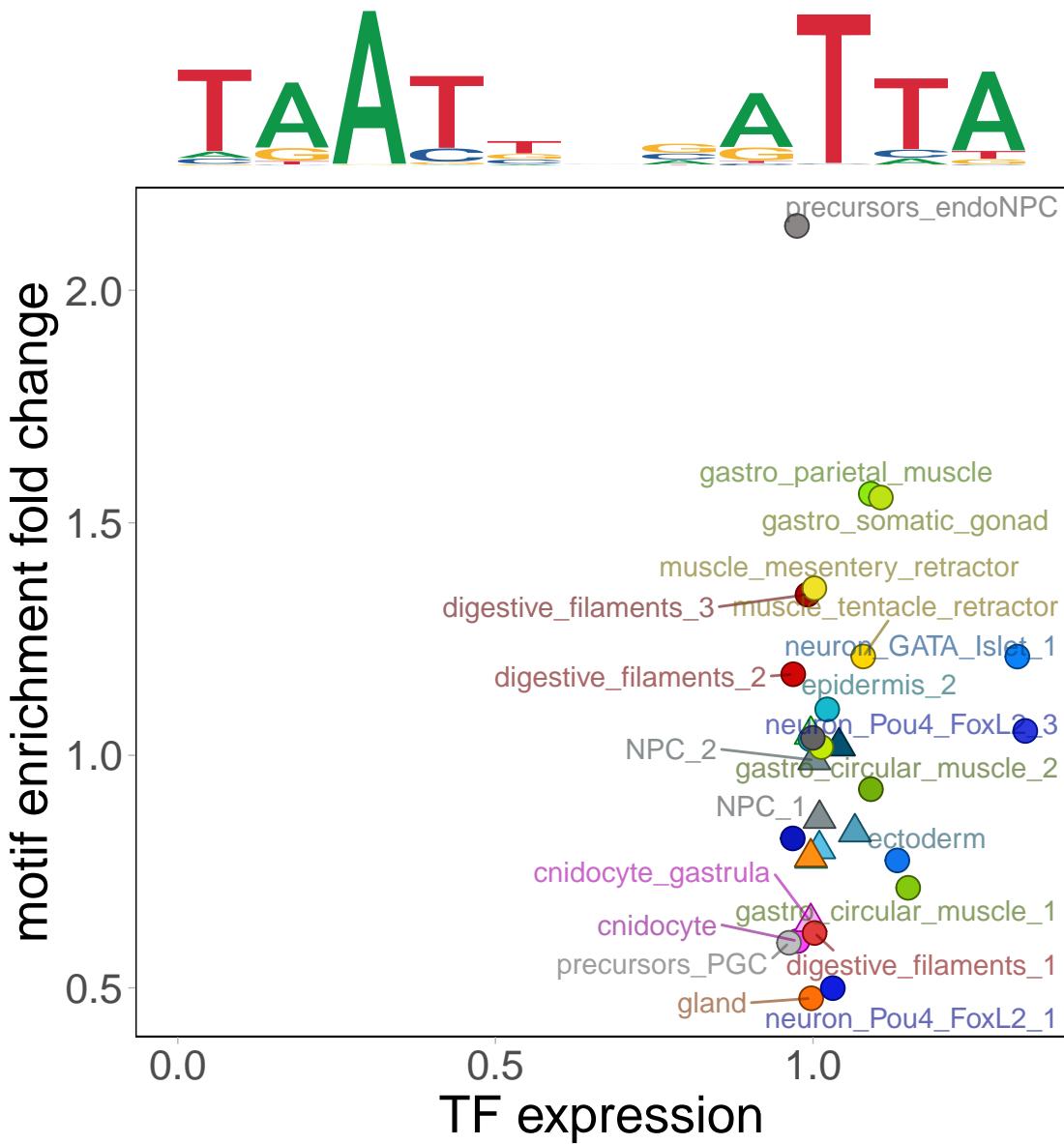
Nvec\_vc1.1\_XM\_001639766.3  
OG: zf-C2H2.HG3.18:like:HINFP/HIVE  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH419\_Yy1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 1  
gene expression correlation: -0.2957  
gene score correlation: -0.2263



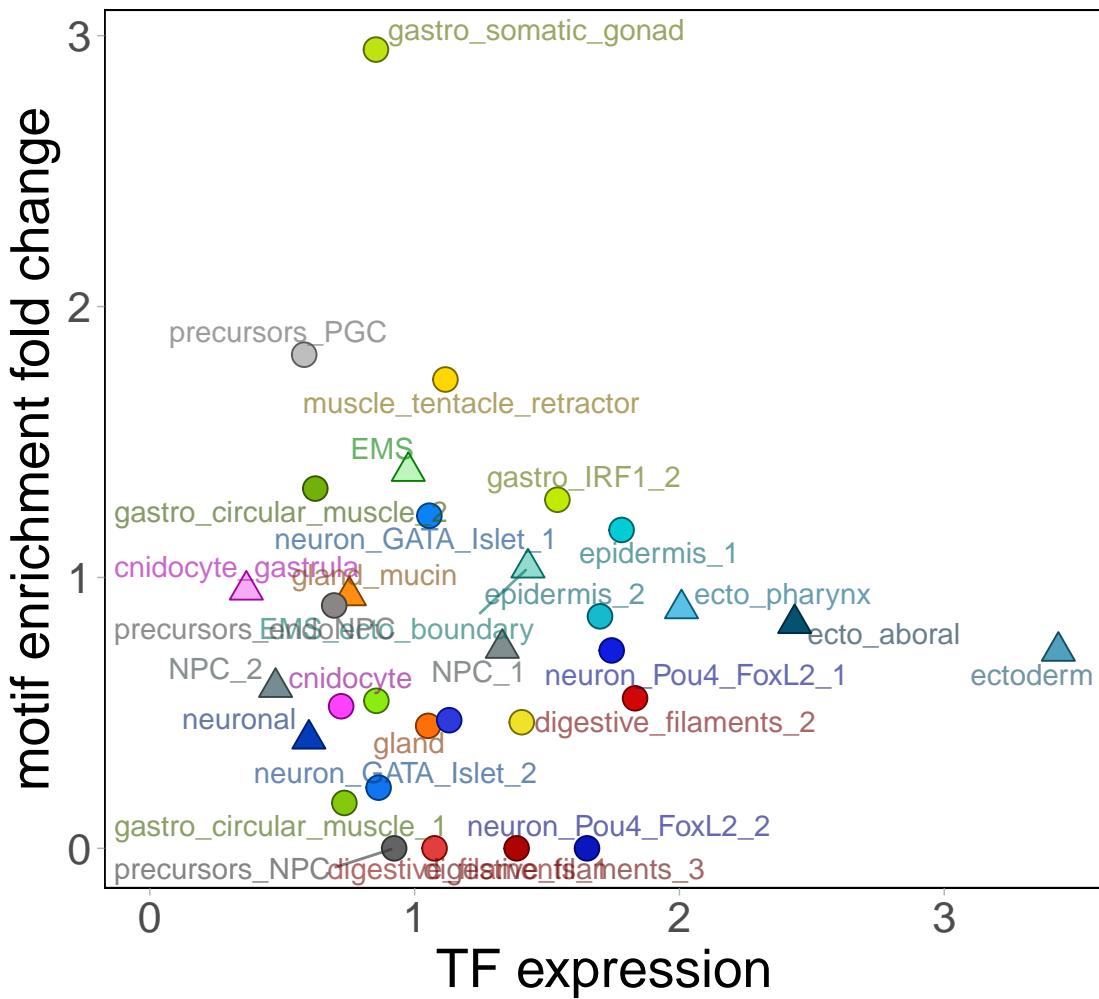
Nvec\_vc1.1\_XM\_001640743.3  
OG: HLH.HG1.29:MYC/MYCL/MYCN  
PFAM: HLH  
motif: ARCH867\_ZEB1\_\_PL0011.1\_hlh  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 10  
gene expression correlation: 0.4623  
gene score correlation: 0.4780



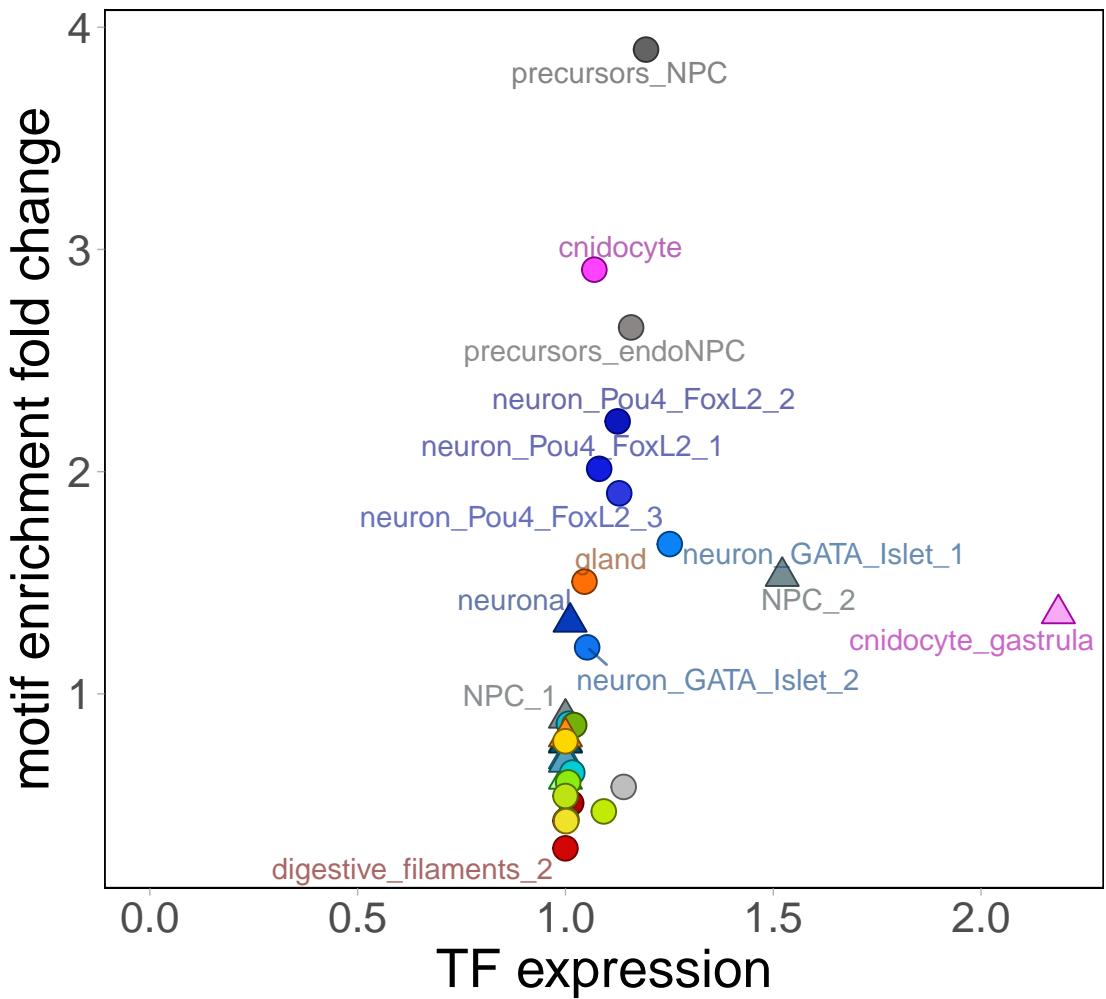
Nvec\_vc1.1\_XM\_001640781.3  
OG: Homeodomains.HG1.41:NKX1-1/N  
PFAM: Homeodomain  
motif: ARCH91\_Alx3/Alx4/Alx1\_Barx2...  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: TRUE  
rank: 39  
gene expression correlation: 0.1269  
gene score correlation: 0.1957



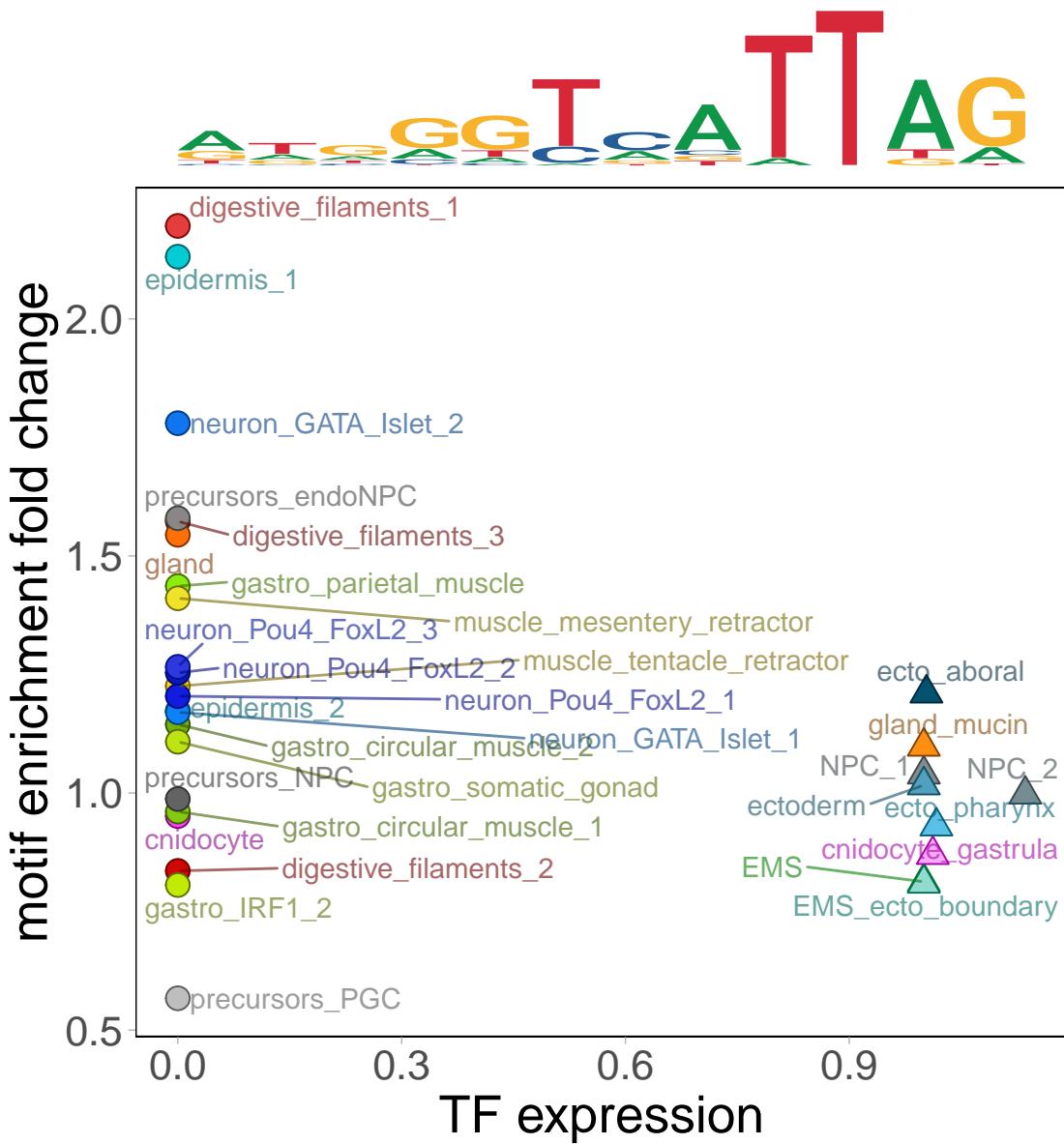
Nvec\_vc1.1\_XM\_001640853.3  
OG: bZIP.HG1.6:JUN/JUNB/JUND  
PFAM: Jun/bZIP\_1  
motif: Jund/Junb/Jun\_250224\_dimont  
TF family: bZIP  
archetype family: bZIP  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.0876  
gene score correlation: -0.0399



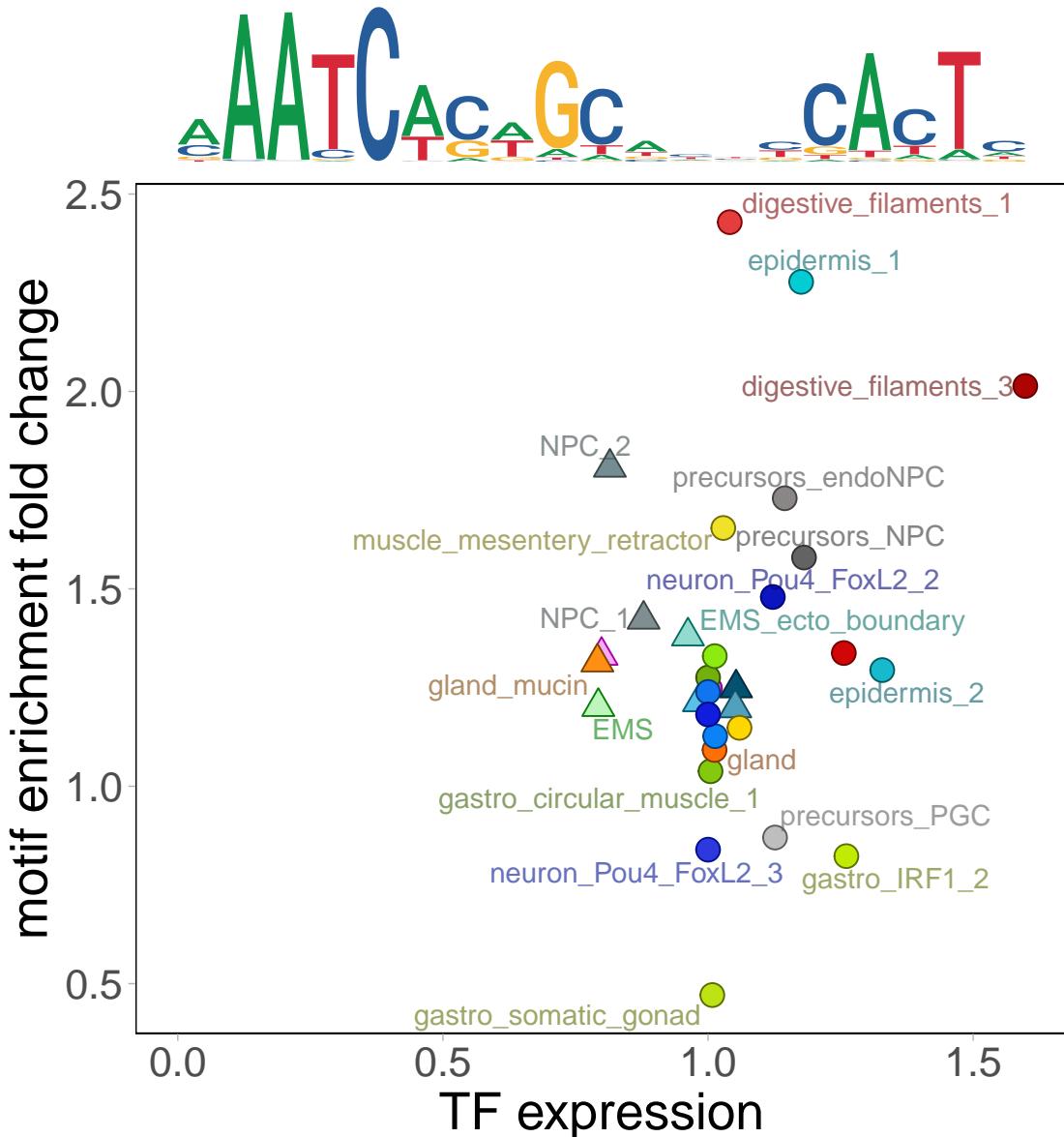
Nvec\_vc1.1\_XM\_001640990.3  
OG: HLH.HG1.77:like:NEUROD1/NEUROD2  
PFAM: HLH  
motif: M06004\_2.00  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.2741  
gene score correlation: 0.5202



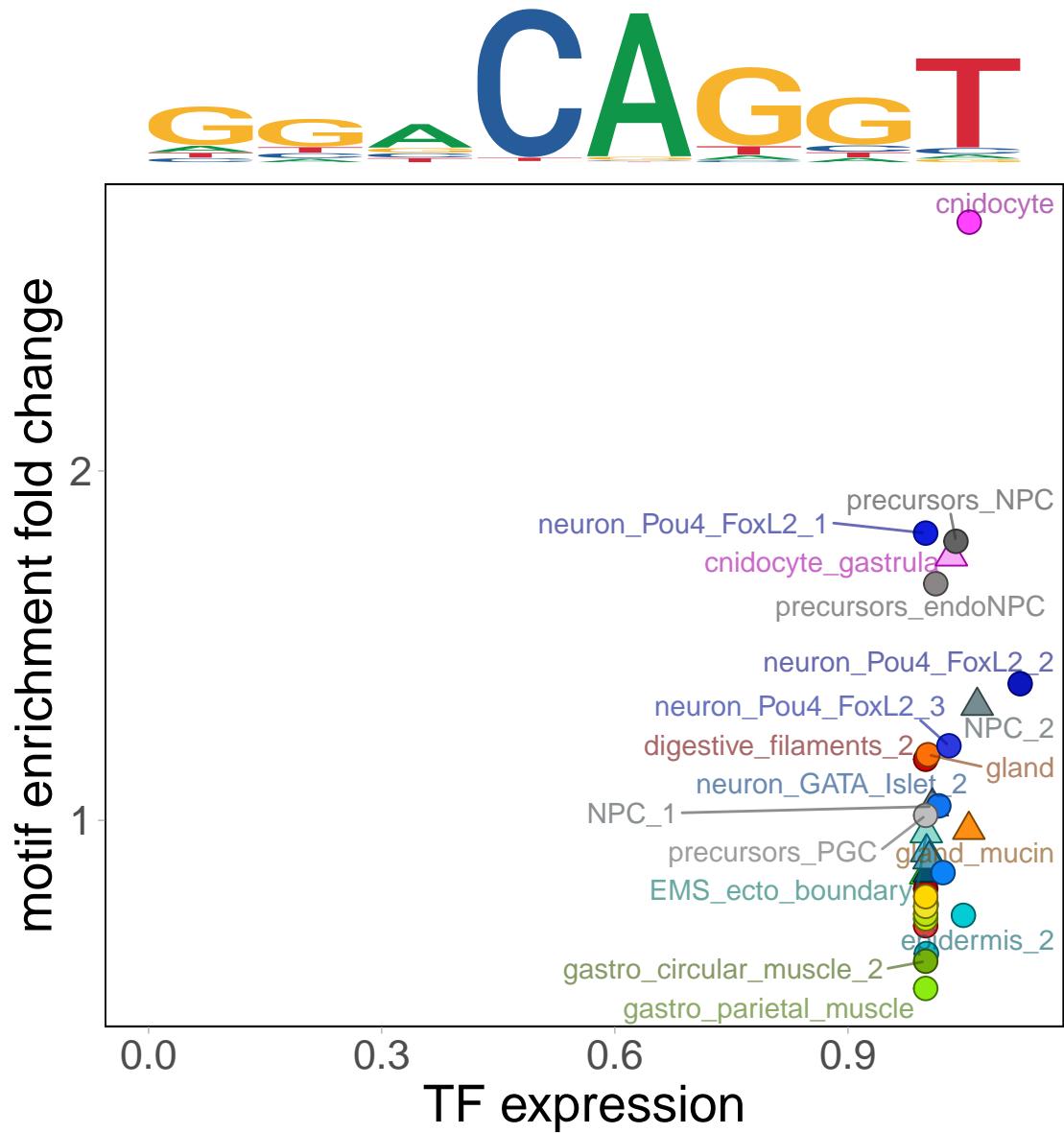
Nvec\_vc1.1\_XM\_001641032.3  
OG: Homeodomains.HG1.18:NANOG/N  
PFAM: Homeodomain  
motif: ARCH273\_HOXD3  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 64  
gene expression correlation: -0.3839  
gene score correlation: -0.3853



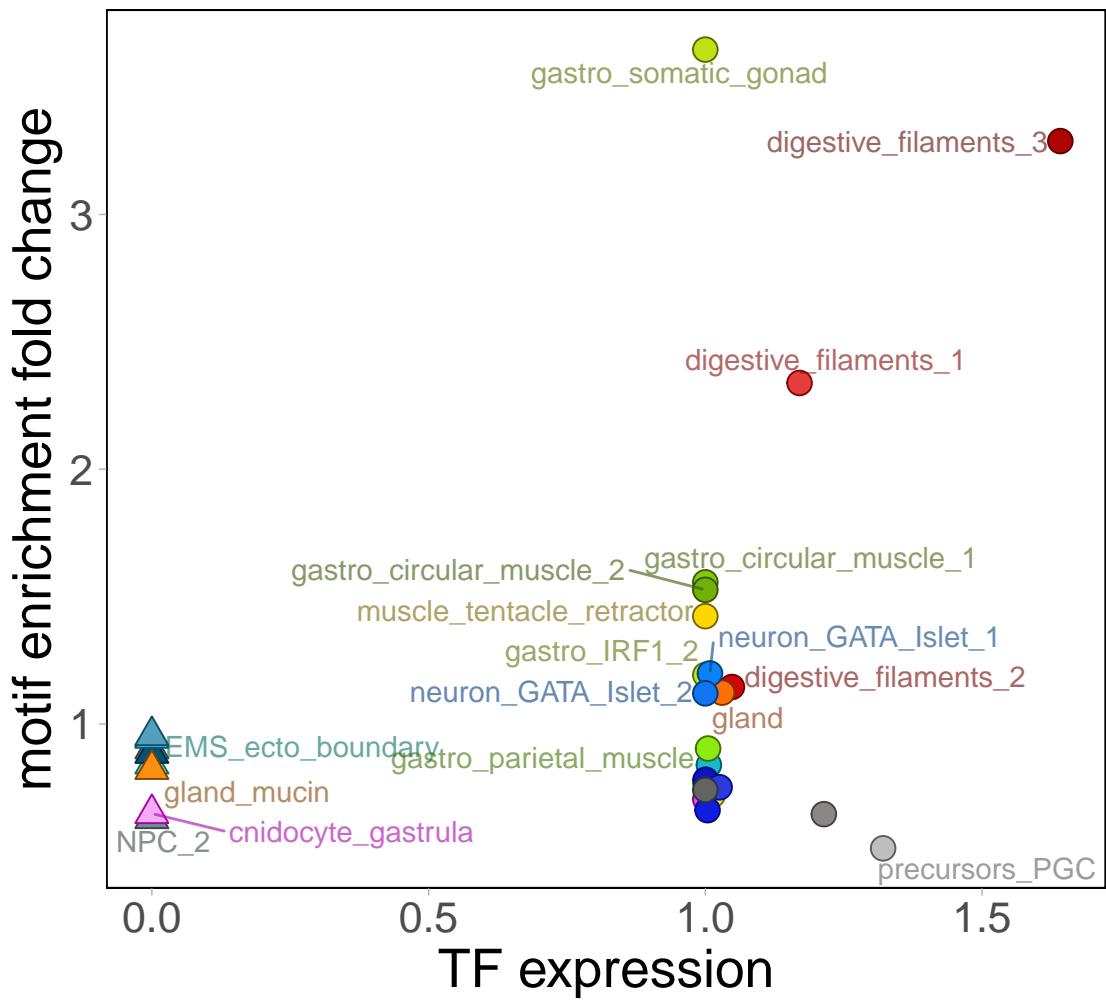
Nvec\_vc1.1\_XM\_001641086.3  
OG: zf-C2H2.HG7.5:SNAI1/SNAI2/SNA  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: ARCH1345\_Gfi1b/Gfi1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 39  
gene expression correlation: 0.2113  
gene score correlation: 0.2239



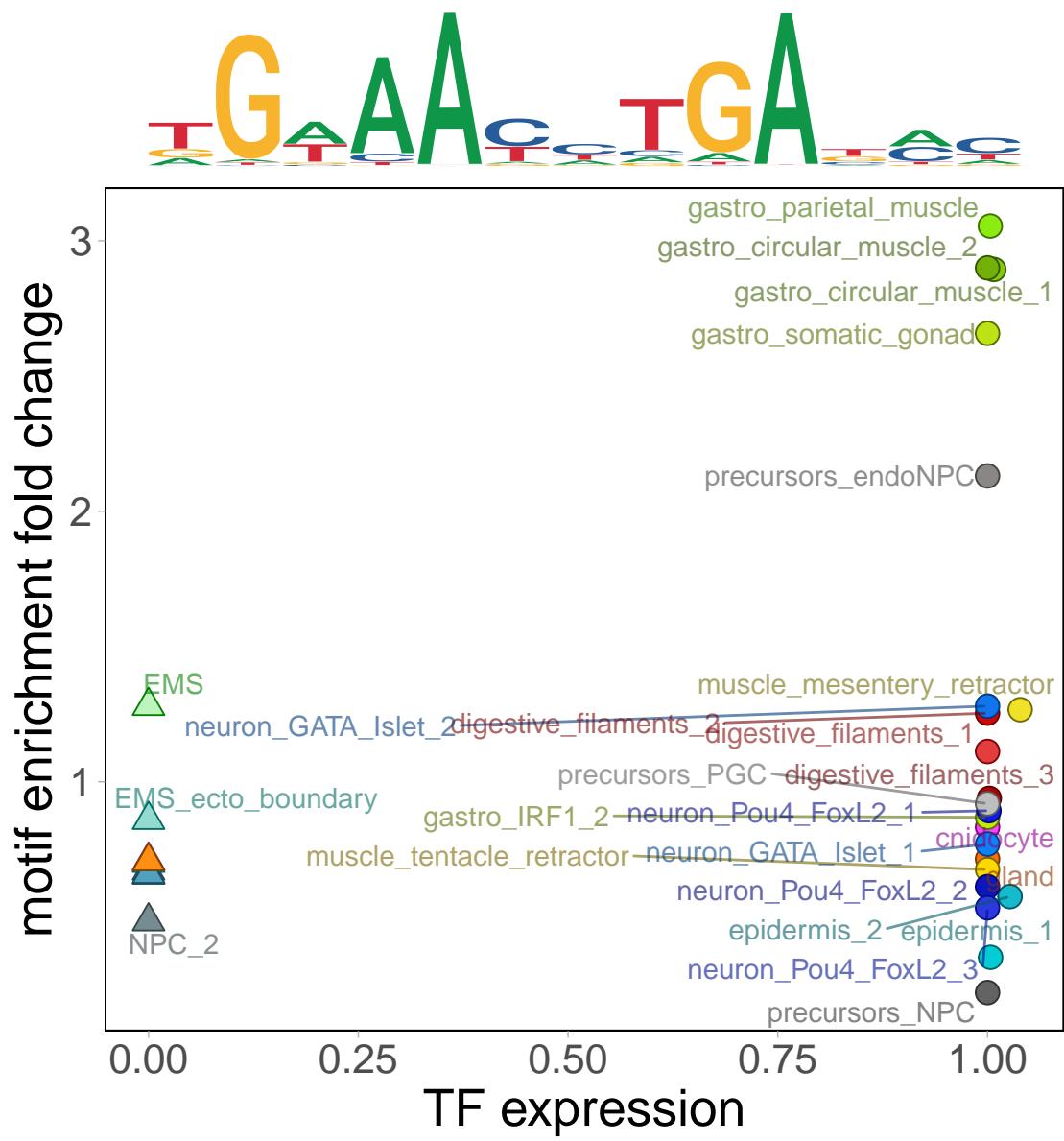
Nvec\_vc1.1\_XM\_001641264.3  
OG: Homeodomains.HG1.61:NOTO  
PFAM: Homeodomain  
motif: ARCH487\_Meis3/Meis2/Meis1\_P  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 18  
gene expression correlation: 0.4609  
gene score correlation: 0.6219



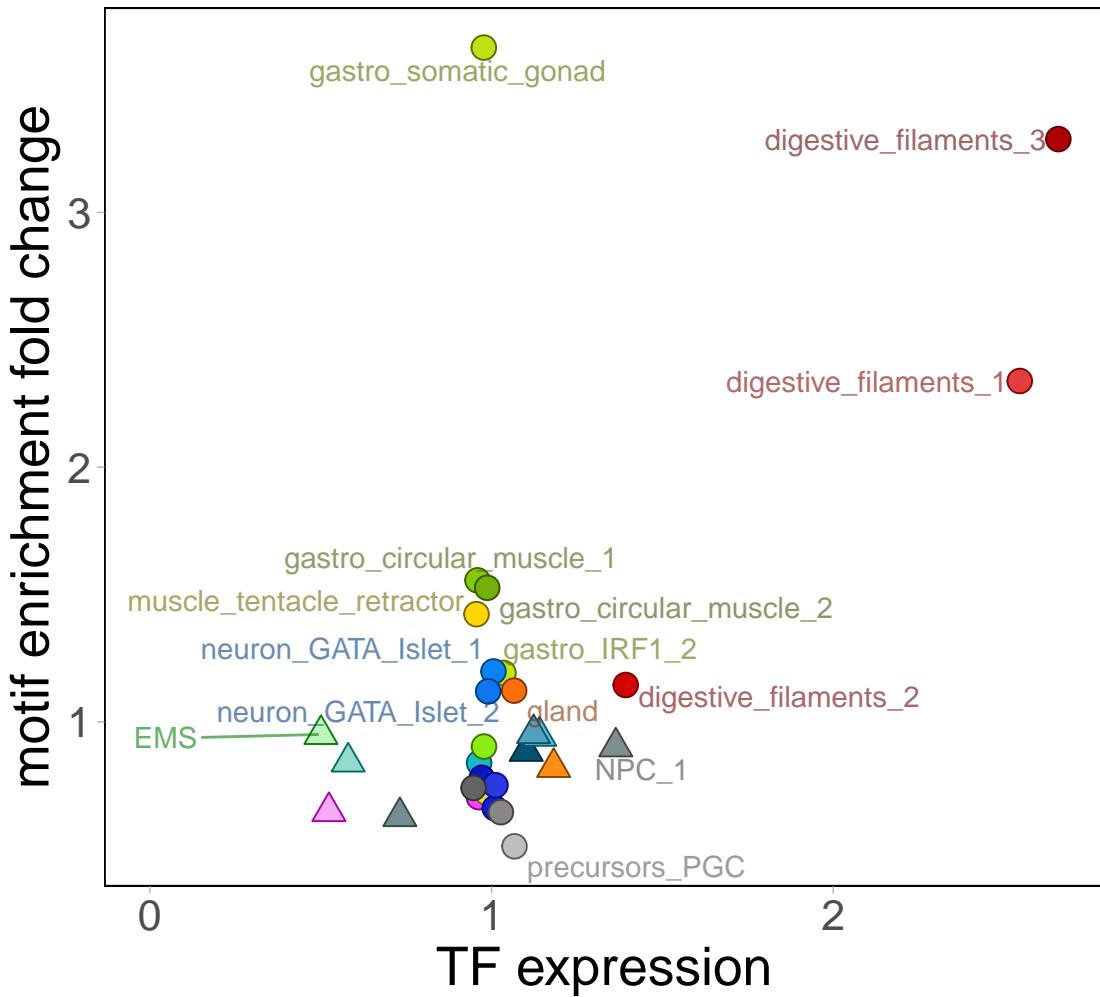
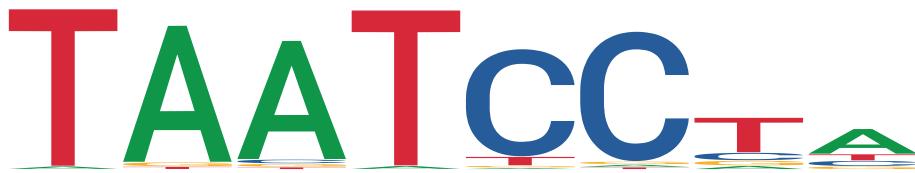
Nvec\_vc1.1\_XM\_001641552.3  
OG: Homeodomains.HG1.47:like:MSX1  
PFAM: Homeodomain  
motif: ARCH1437\_  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 12  
gene expression correlation: 0.3531  
gene score correlation: 0.5410



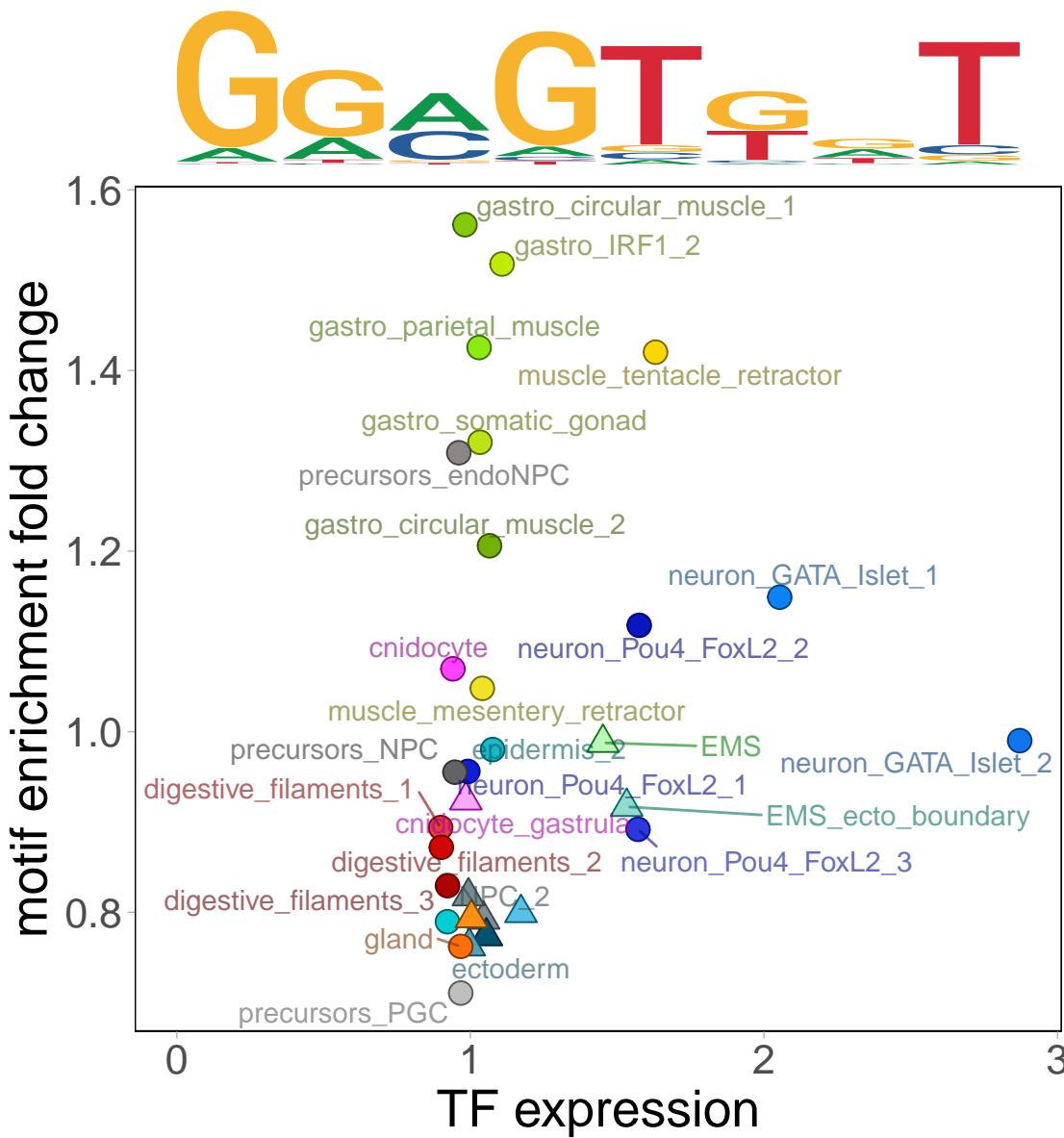
Nvec\_vc1.1\_XM\_001641575.3  
OG: Homeodomains.HG1.68:AC004080  
PFAM: Homeodomain  
motif: ARCH1362\_Six1/\_Six4/Six5  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 3  
gene expression correlation: 0.2960  
gene score correlation: 0.7079



Nvec\_vc1.1\_XM\_001641660.3  
OG: Homeodomains.HG2.64:PITX1/PIT  
PFAM: Homeodomain  
motif: ARCH1437\_  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: TRUE  
rank: 1  
gene expression correlation: 0.5908  
gene score correlation: 0.8718



Nvec\_vc1.1\_XM\_001647488.3  
OG: Homeodomains.HG2.46:CRX/OTX  
PFAM: Homeodomain  
motif: ARCH697\_Six1/\_Six4/Six5  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 25  
gene expression correlation: 0.1263  
gene score correlation: 0.5295



Nvec\_vc1.1\_XM\_032361813.2

OG: Myb.HG1.23:TERB1/TERF2

PFAM: Myb\_DNA-binding

motif: ARCH1391\_MYB113

TF family: Myb

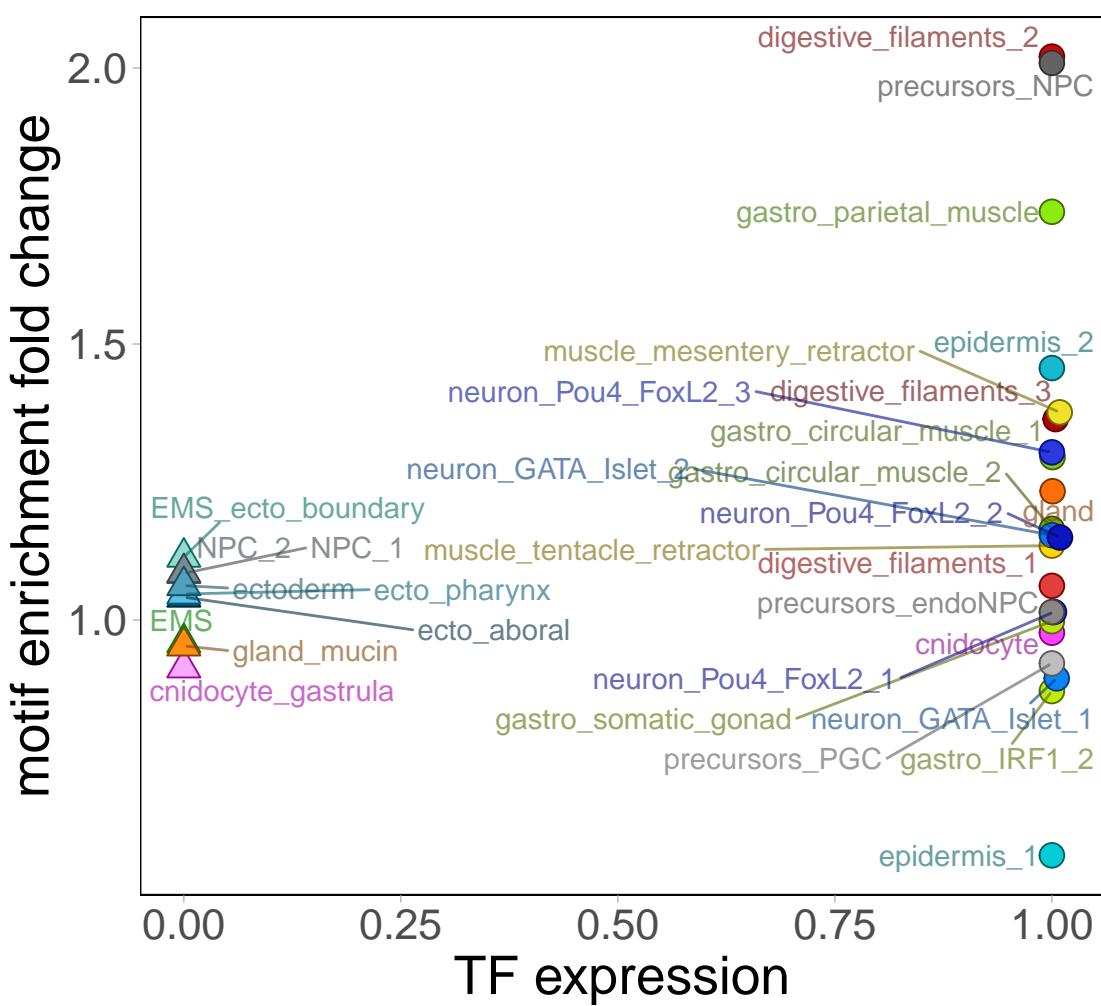
archetype family: Myb

CisBP assigned: FALSE

rank: 846

gene expression correlation: 0.2768

gene score correlation: -0.0486



Nvec\_vc1.1\_XM\_032361849.2

OG: Ets.HG1.2:ELK1/ELK3/ELK4

PFAM: Ets

motif: ARCH578\_Elf3/Ehf/Elf5\_Etv6

TF family: Ets

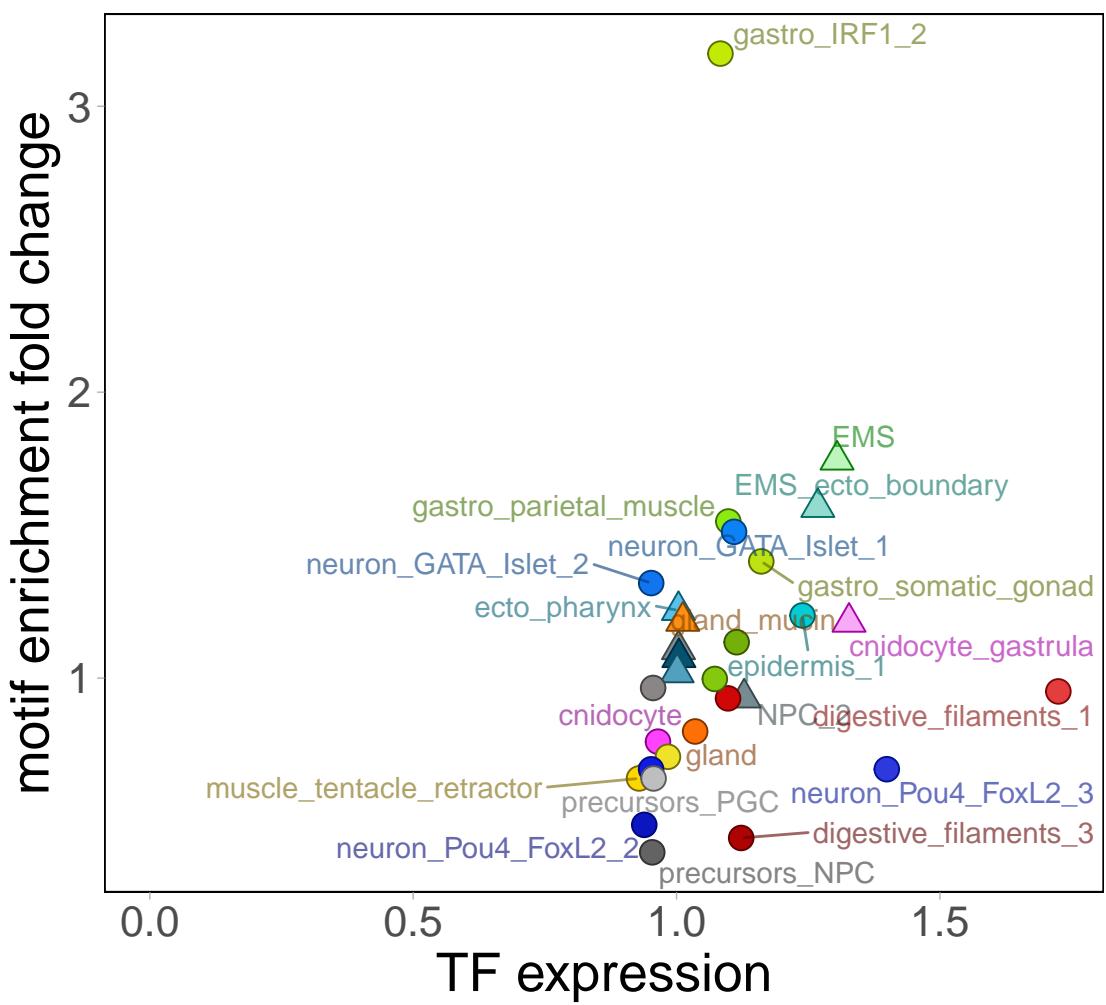
archetype family: Ets

CisBP assigned: FALSE

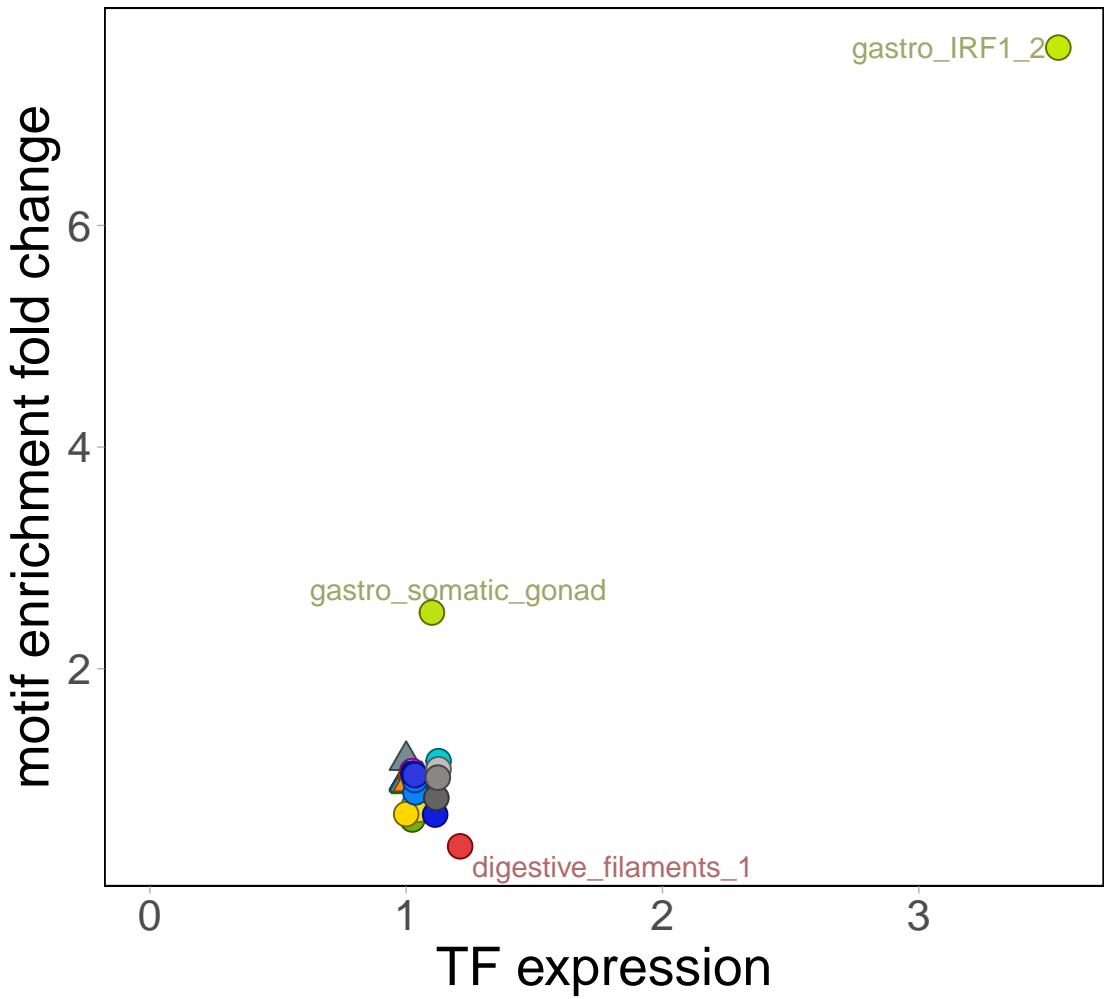
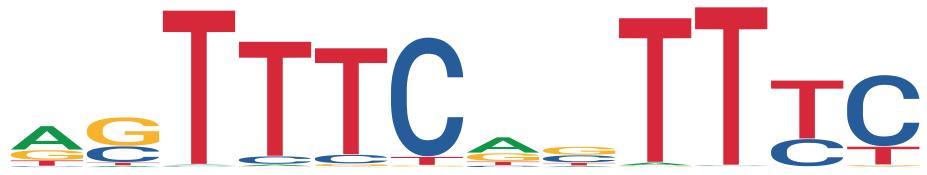
rank: 1

gene expression correlation: 0.2054

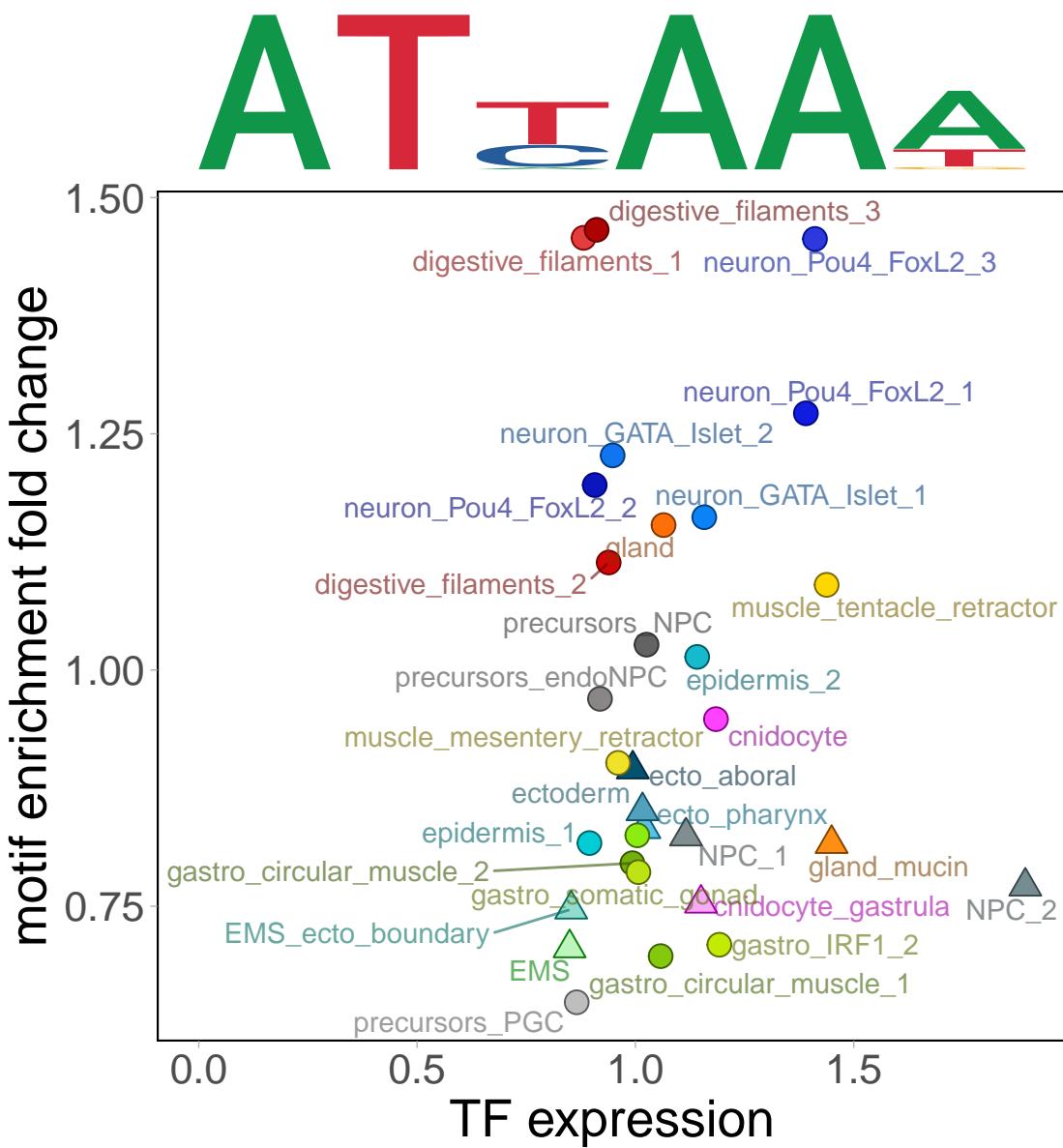
gene score correlation: 0.6400



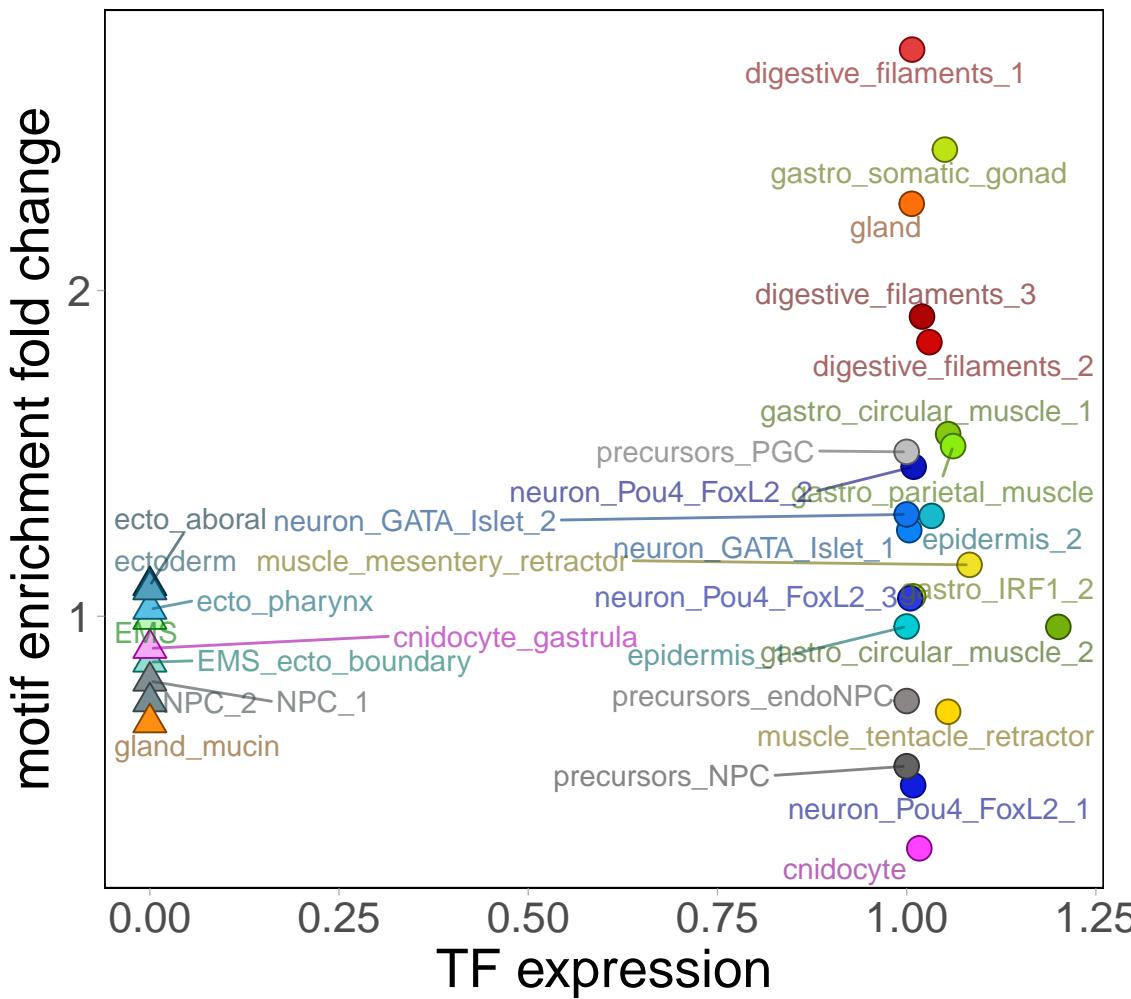
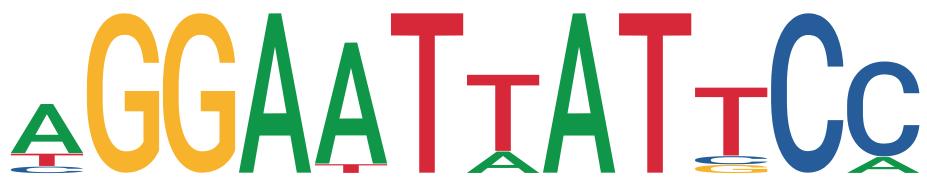
Nvec\_vc1.1\_XM\_032361976.2  
OG: IRF.HG1.1:IRF1/IRF2/IRF3/IRF4/IRF5  
PFAM: IRF  
motif: ARCH591\_ISRE\_\_IRF3\_\_IRF8  
TF family: IRF  
archetype family: IRF  
CisBP assigned: FALSE  
rank: 1  
gene expression correlation: 0.9567  
gene score correlation: 0.9140



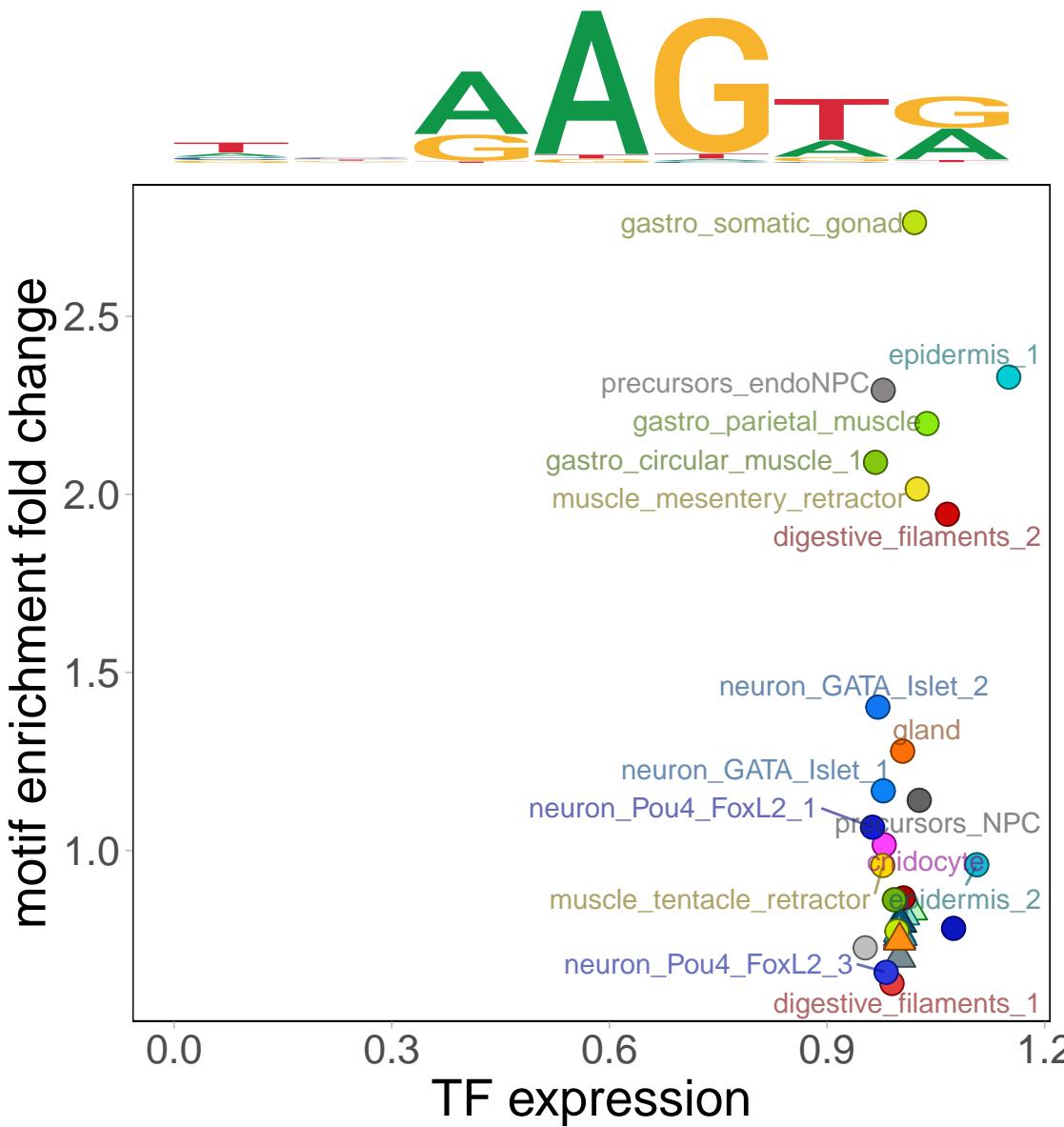
Nvec\_vc1.1\_XM\_032362135.2  
OG: ARID\_BRIGHT.HG1.9:ARID3A/AR  
PFAM: ARID  
motif: ARCH13\_Arid2\_Arid3c/Arid3a/...  
TF family: ARID\_BRIGHT  
archetype family: ARID\_BRIGHT  
CisBP assigned: TRUE  
rank: 41  
gene expression correlation: 0.0311  
gene score correlation: 0.1435



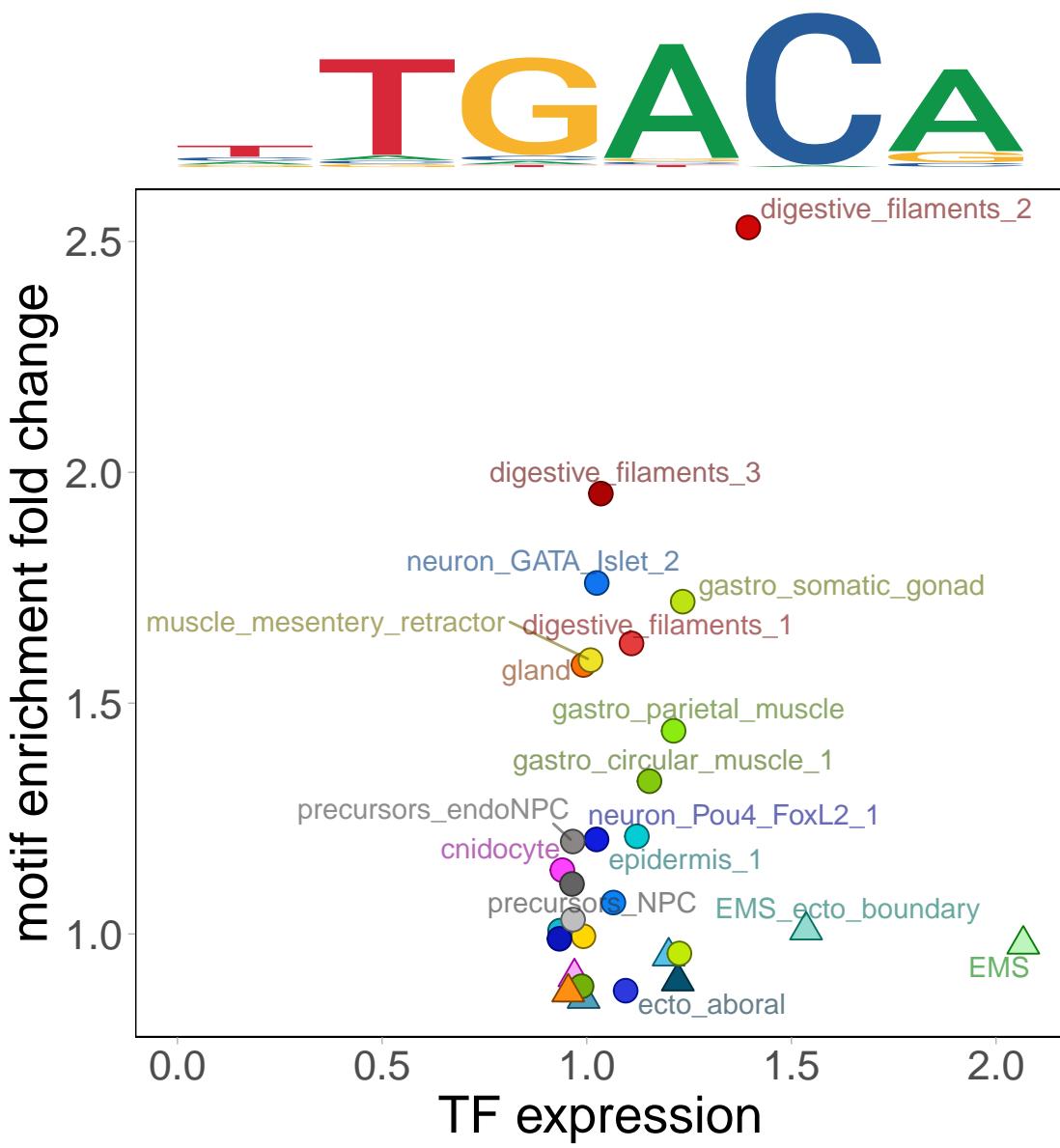
Nvec\_vc1.1\_XM\_032362307.2  
OG: Homeodomains.HG1.66:like:GSX1  
PFAM: Homeodomain  
motif: ARCH1055\_MF0010.1\_Homeobd  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 464  
gene expression correlation: 0.3334  
gene score correlation: -0.1698



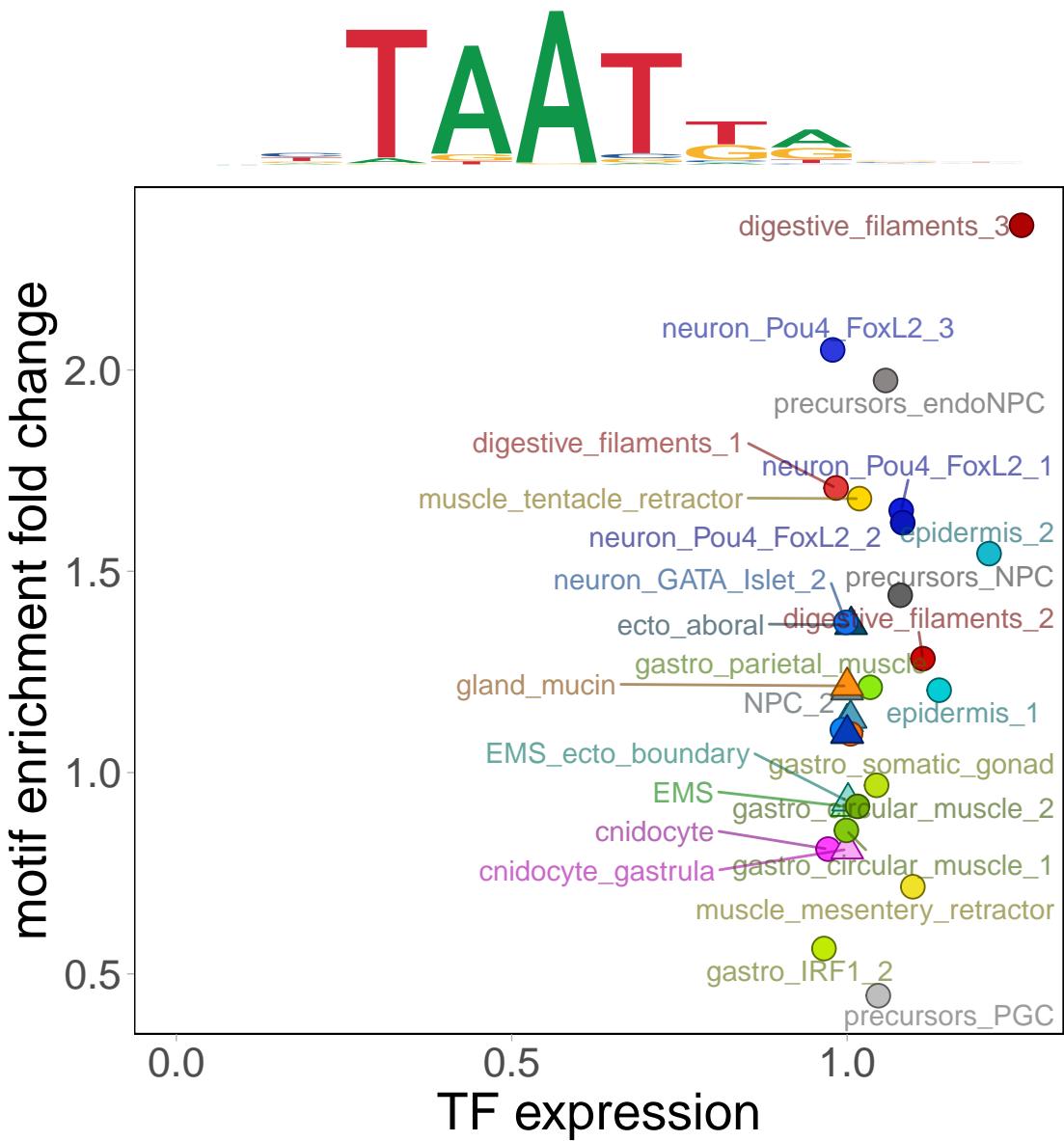
Nvec\_vc1.1\_XM\_032362346.2  
OG: Homeodomains.HG1.21:BARX1/B  
PFAM: Homeodomain  
motif: ARCH167\_Nanog  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 50  
gene expression correlation: 0.3100  
gene score correlation: 0.4165



Nvec\_vc1.1\_XM\_032362379.2  
OG: Homeodomains.HG1.19:NKX2-1/N  
PFAM: Homeodomain  
motif: ARCH1546\_Meis3/Meis2/Meis1\_  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 5  
gene expression correlation: 0.1122  
gene score correlation: 0.5619



Nvec\_vc1.1\_XM\_032362396.2  
OG: Homeodomains.HG1.69:HOXA3/HG1.69  
PFAM: Homeodomain  
motif: M03126\_2.00  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.4434  
gene score correlation: -0.1425



Nvec\_vc1.1\_XM\_032362607.2

OG: Forkhead.HG1.5:FOXQ1

PFAM: Forkhead

motif: ARCH895\_Foxn4/Foxn1

TF family: Forkhead

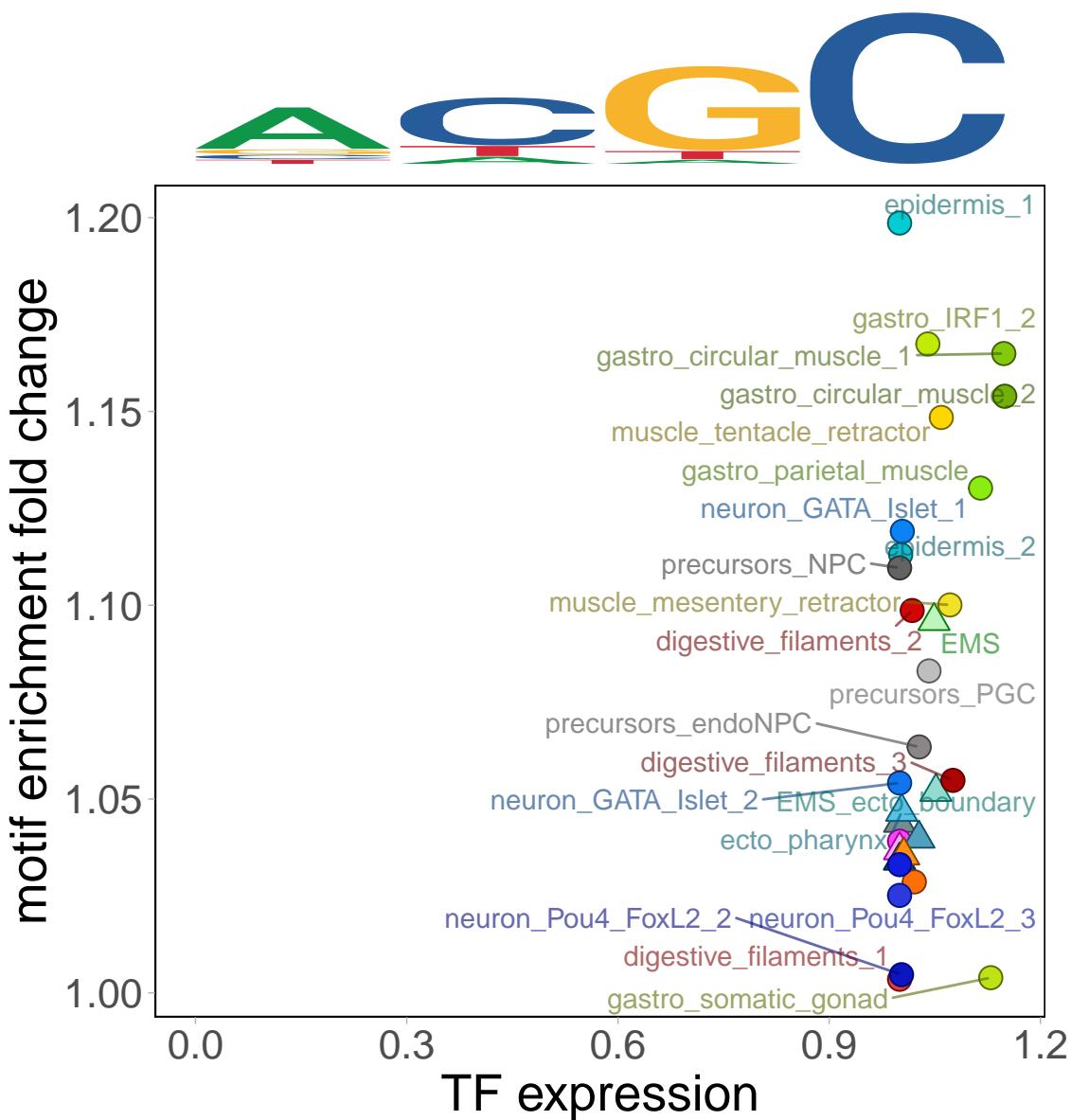
archetype family: Forkhead

CisBP assigned: FALSE

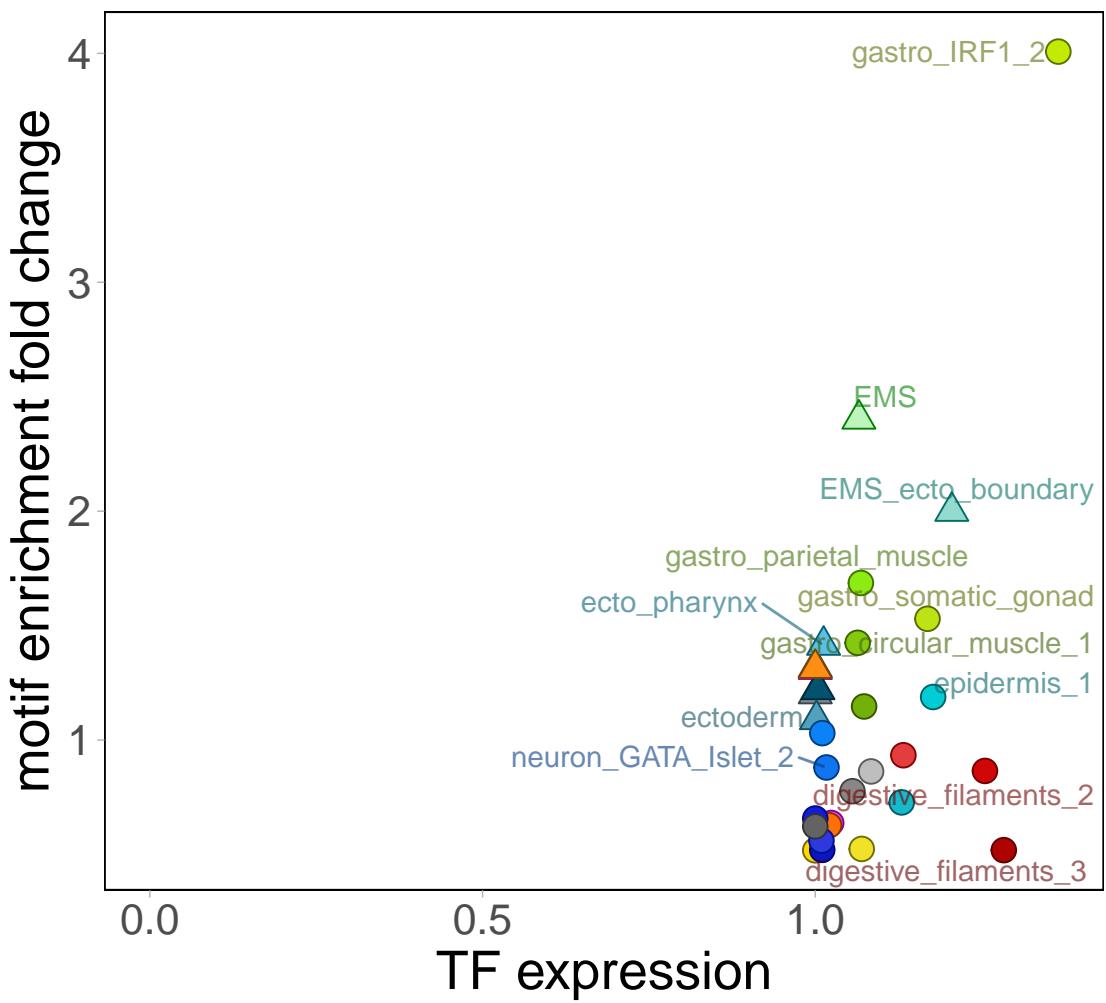
rank: 192

gene expression correlation: 0.3877

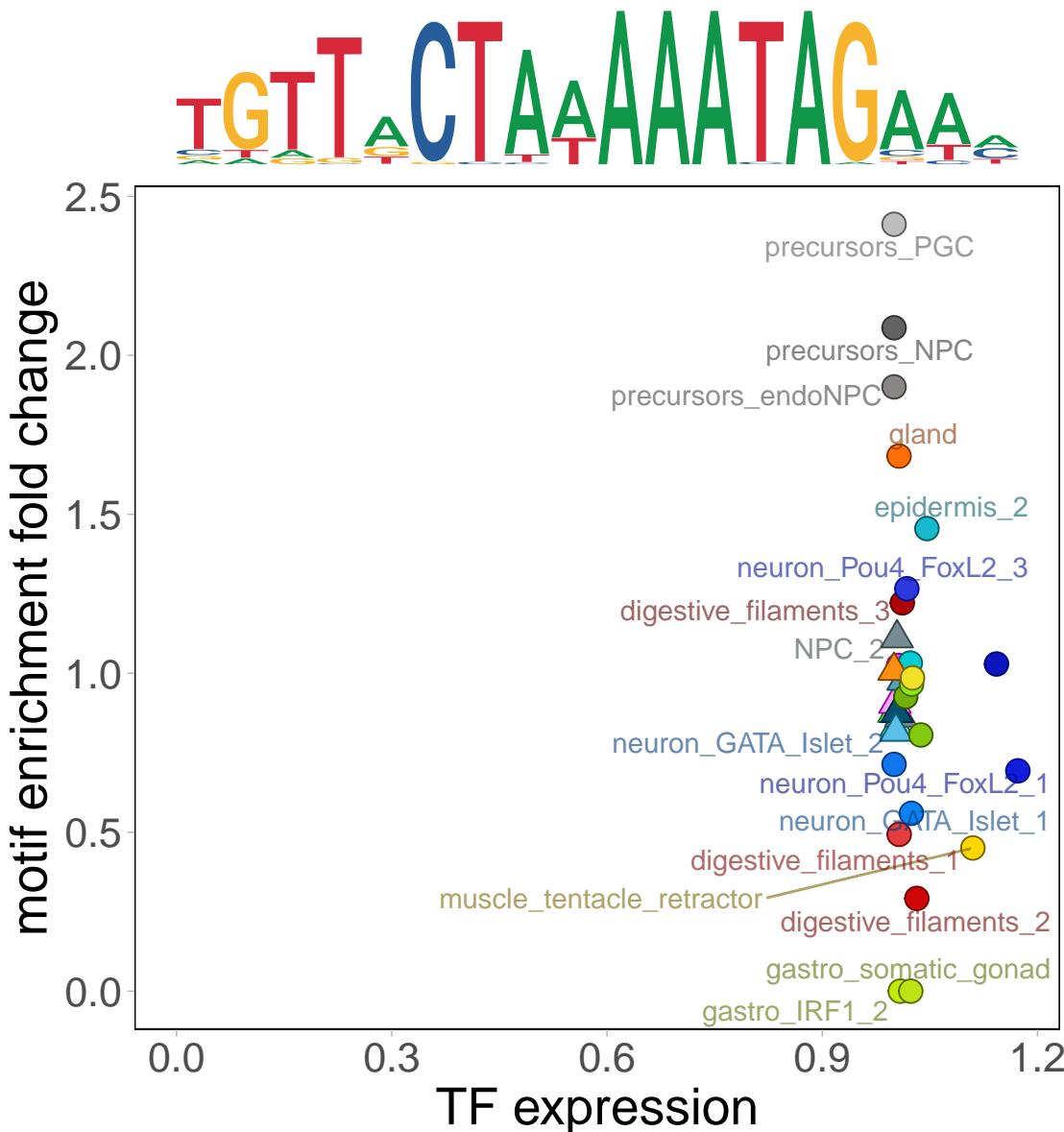
gene score correlation: 0.3024



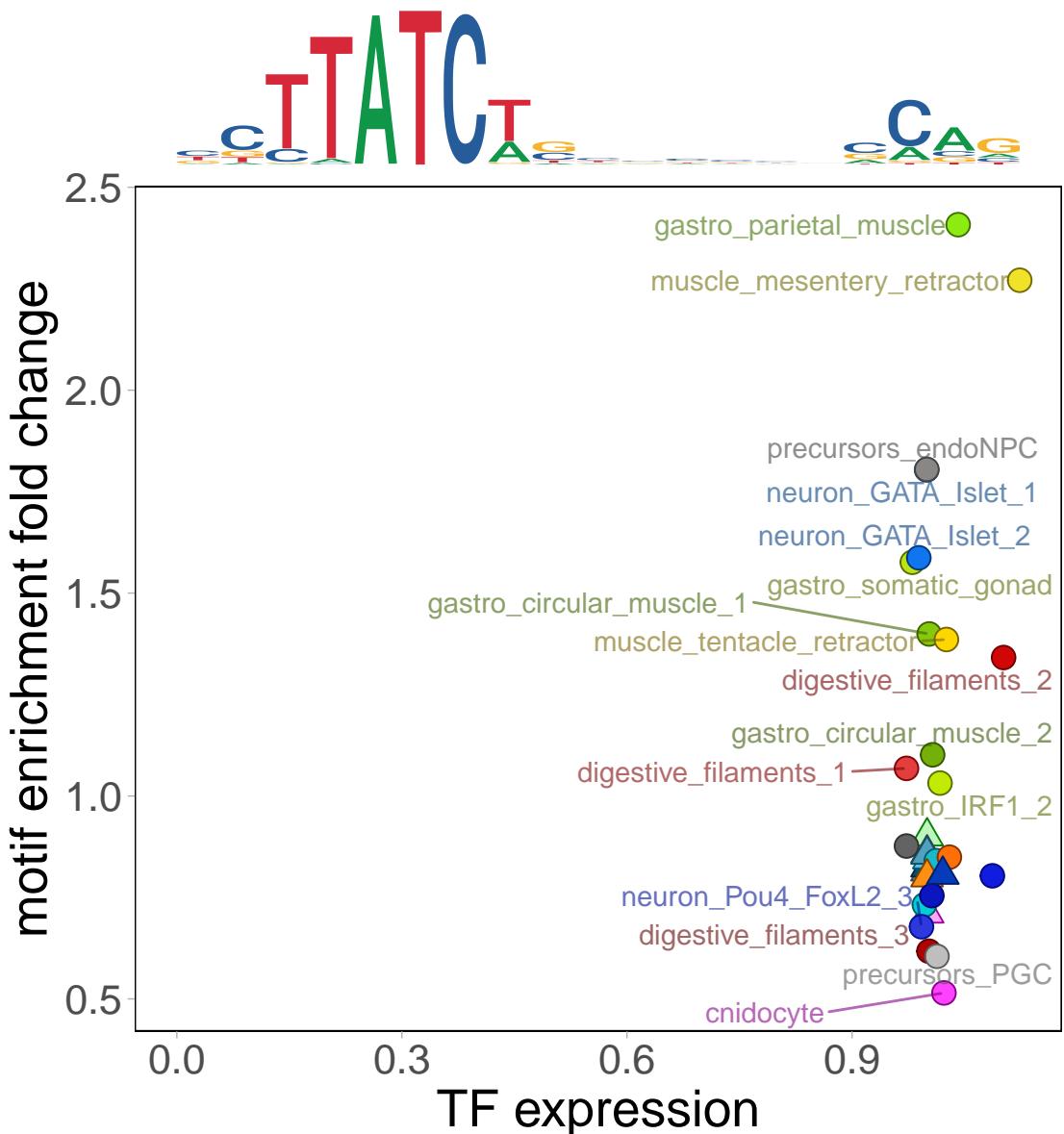
Nvec\_vc1.1\_XM\_032362934.2  
OG: Ets.HG1.11:EHF/ELF3/ELF5  
PFAM: Ets  
motif: ARCH587\_Elf3/Ehf/Elf5\_Erg/F...  
TF family: Ets  
archetype family: Ets  
CisBP assigned: TRUE  
rank: 3  
gene expression correlation: 0.4809  
gene score correlation: 0.6142



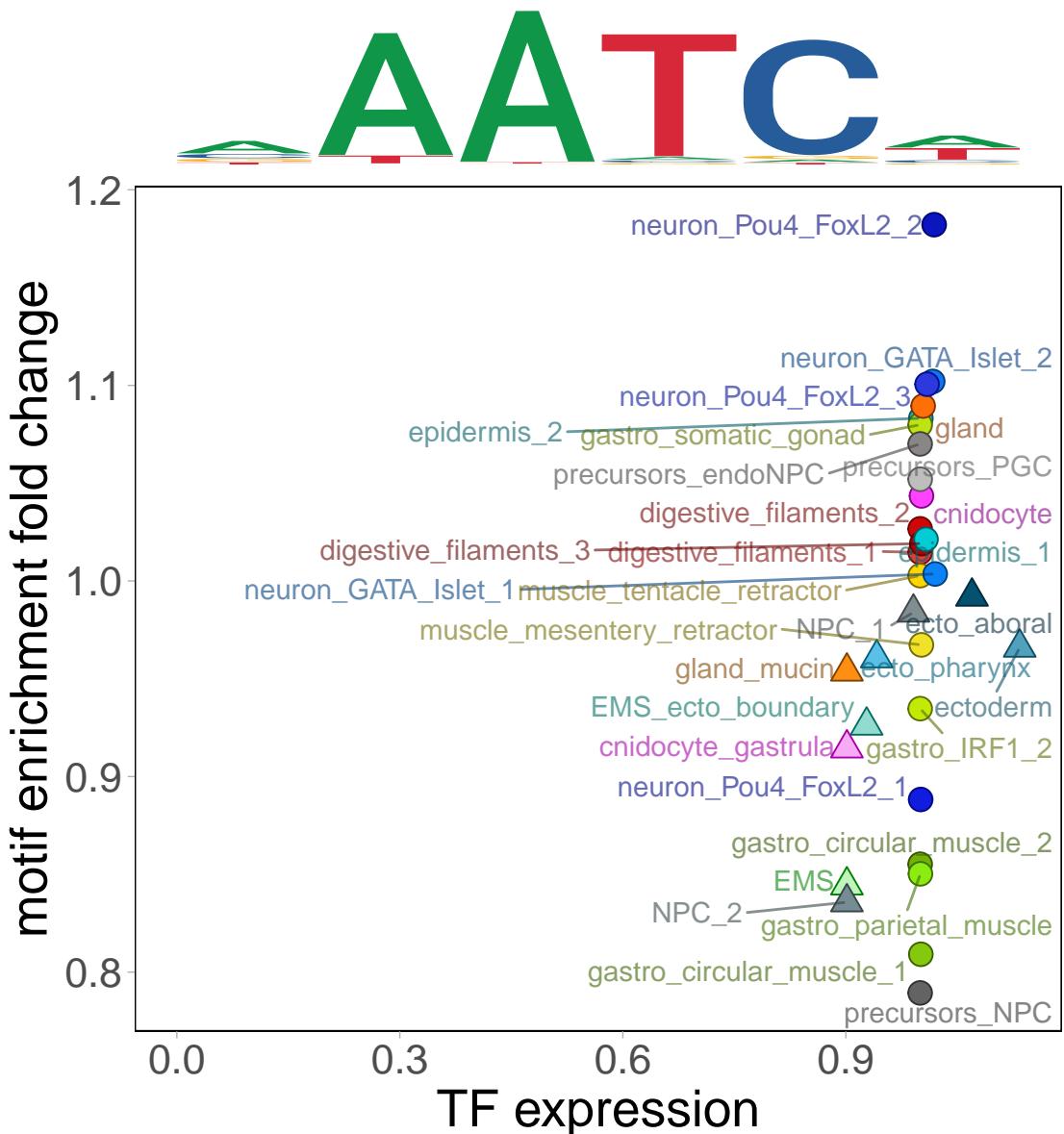
Nvec\_vc1.1\_XM\_032362959.2  
OG: MADS-box\_SRF.HG1.1:like:BORC  
PFAM: SRF-TF  
motif: ARCH1333\_Mef2c/Mef2b/Mef2a/  
TF family: MADS-box\_SRF  
archetype family: MADS-box\_SRF  
CisBP assigned: FALSE  
rank: 89  
gene expression correlation: -0.2101  
gene score correlation: 0.0918



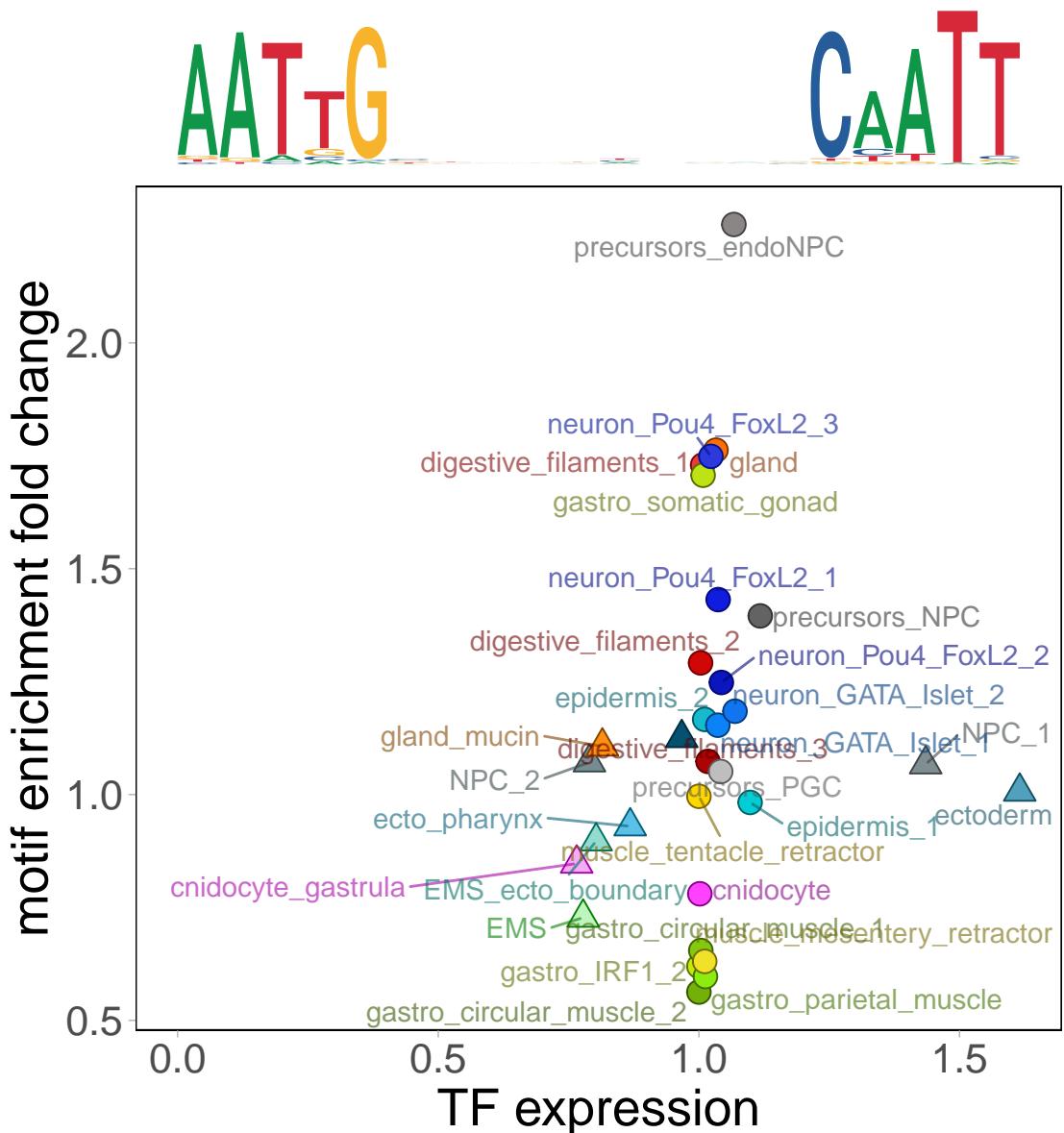
Nvec\_vc1.1\_XM\_032363017.2  
OG: HLH.HG1.87:LYL1/NHLH1/NHLH2/  
PFAM: HLH  
motif: M08734\_2.00  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.3456  
gene score correlation: 0.3702



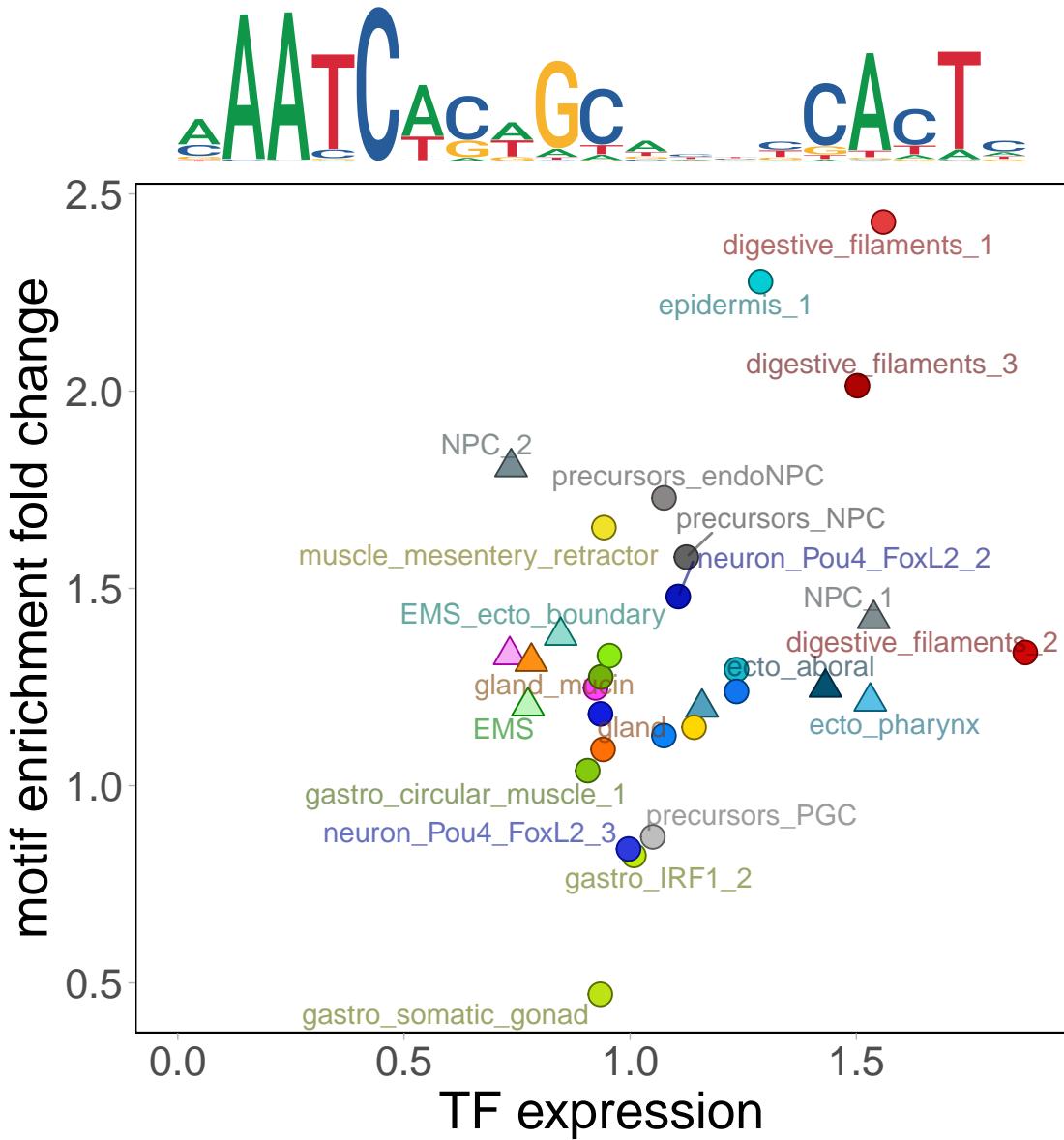
Nvec\_vc1.1\_XM\_032363027.2  
OG: zf-C2H2.HG19.1:PRDM14  
PFAM: SET/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH1200\_Zfp760/Zfp770  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 7  
gene expression correlation: 0.3460  
gene score correlation: 0.2787



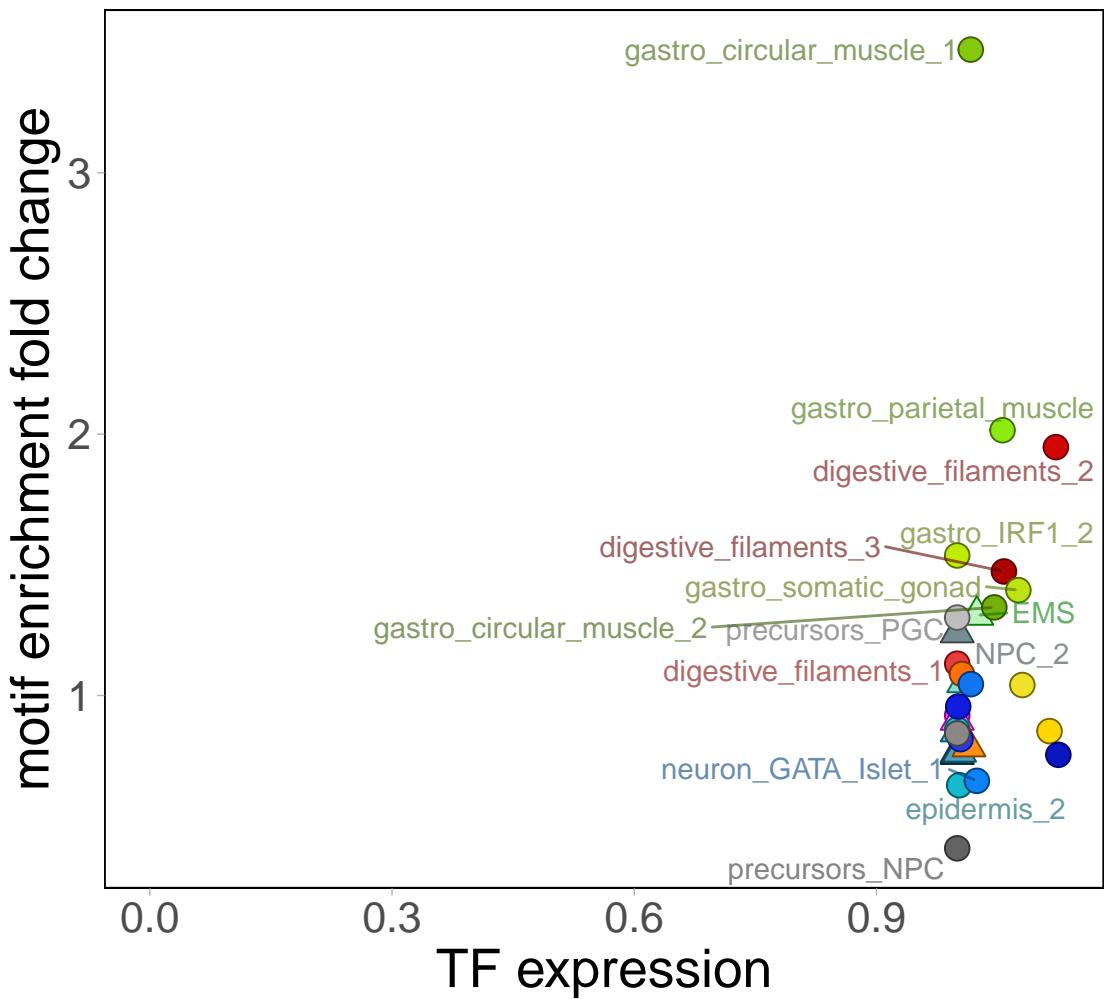
Nvec\_vc1.1\_XM\_032363350.2  
OG: Homeodomains.HG1.31:DLX1/DLX  
PFAM: Homeodomain  
motif: ARCH294\_Emx1/Emx2\_Hmx1/Hr  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 380  
gene expression correlation: 0.1410  
gene score correlation: -0.0013



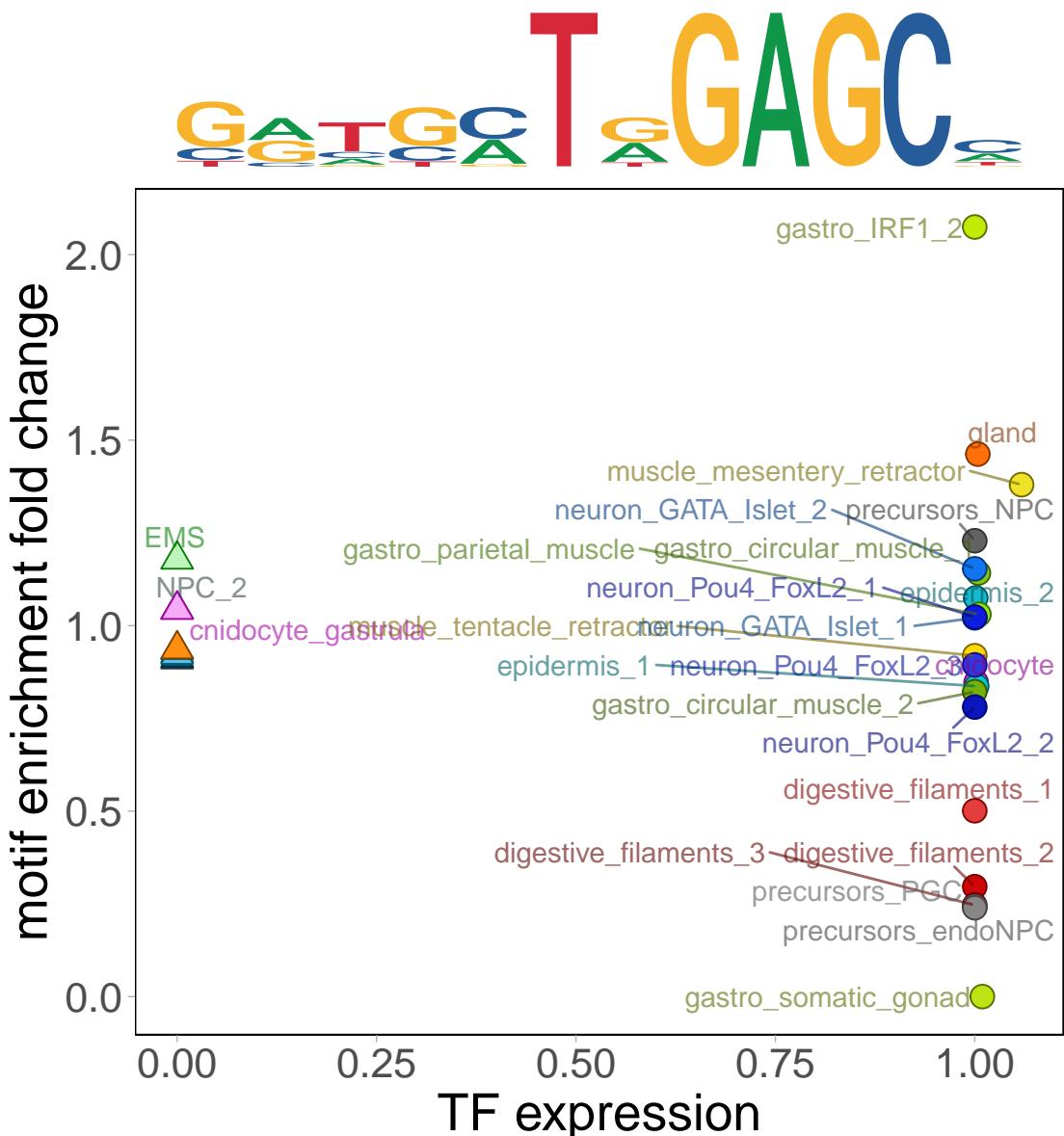
Nvec\_vc1.1\_XM\_032363417.2  
OG: zf-C2H2.HG3.2:ZBTB17  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH1345\_Gfi1b/Gfi1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 160  
gene expression correlation: 0.3288  
gene score correlation: 0.4769



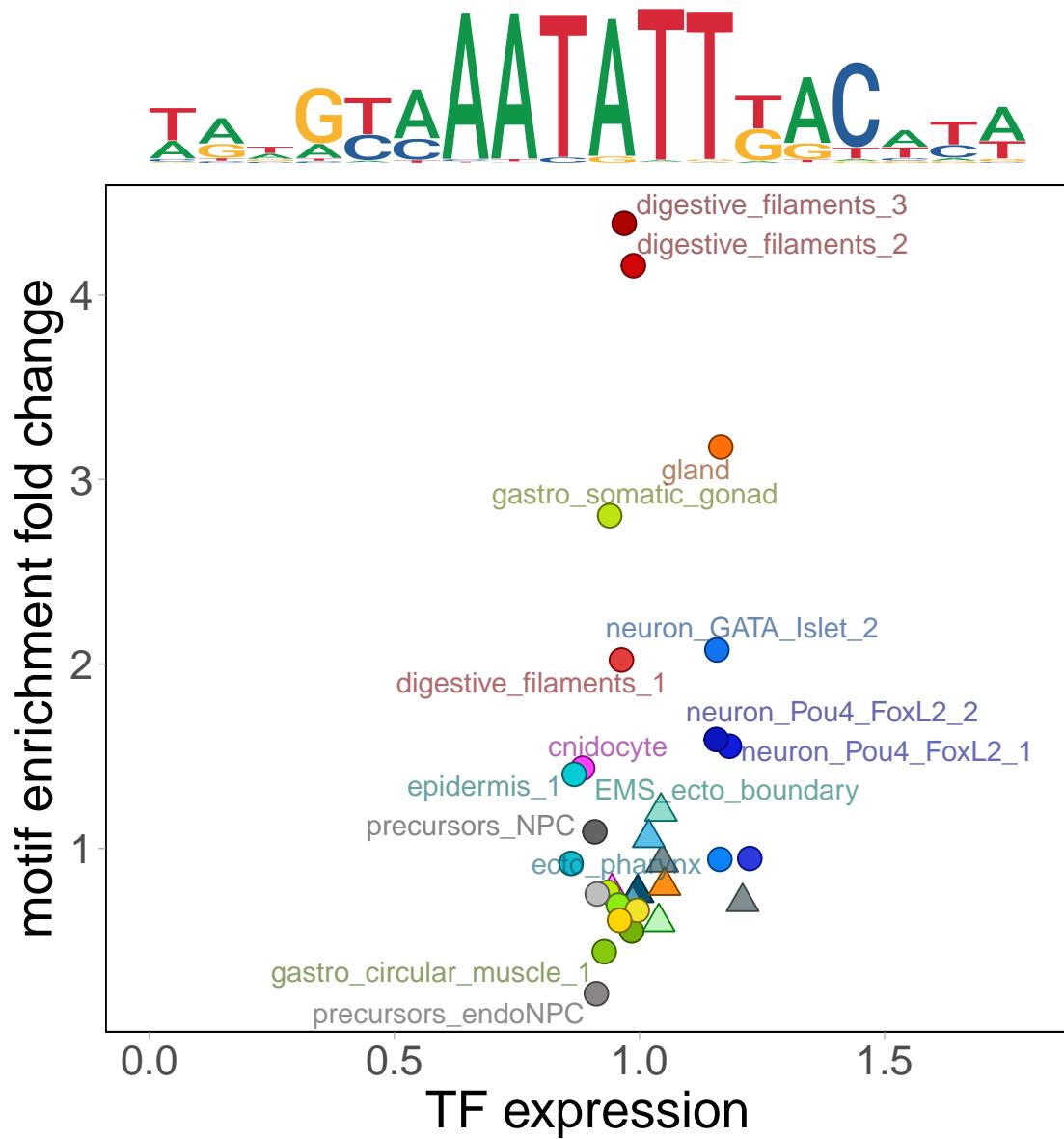
Nvec\_vc1.1\_XM\_032363603.2  
OG: T-box.HG1.13:TBX1/TBX10/TBX1  
PFAM: T-box  
motif: ARCH862\_Tbx18/Tbx22/Tbx15\_T  
TF family: T-box  
archetype family: T-box  
CisBP assigned: TRUE  
rank: 88  
gene expression correlation: 0.2084  
gene score correlation: 0.6321



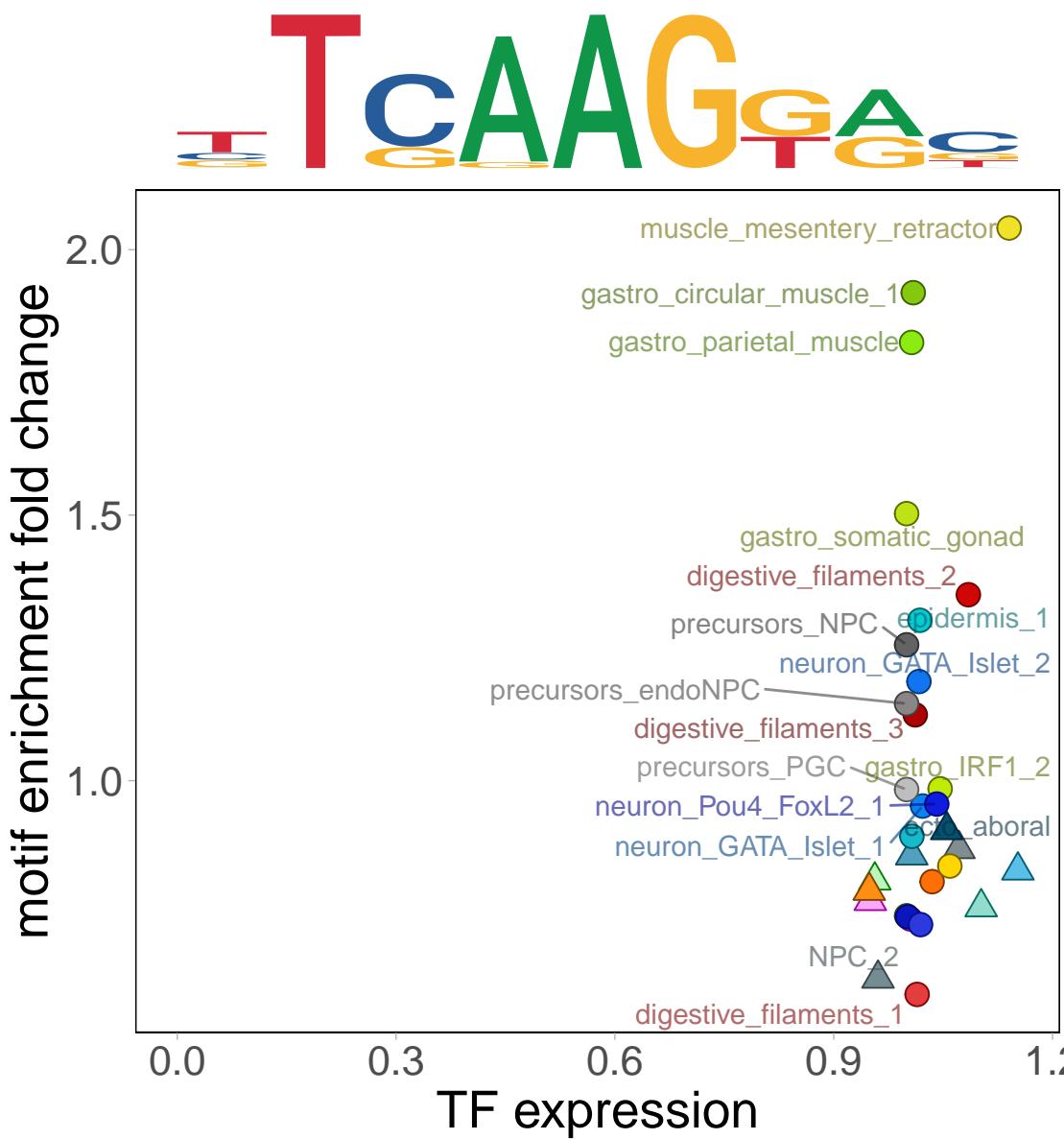
Nvec\_vc1.1\_XM\_032363733.2  
OG: zf-C2H2.HG1.62:ZBTB11  
PFAM: zf-C2H2/zf-C2H2\_6/zf-C2H2/z  
motif: ARCH451\_ZNF415  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 300  
gene expression correlation: -0.1142  
gene score correlation: -0.1038



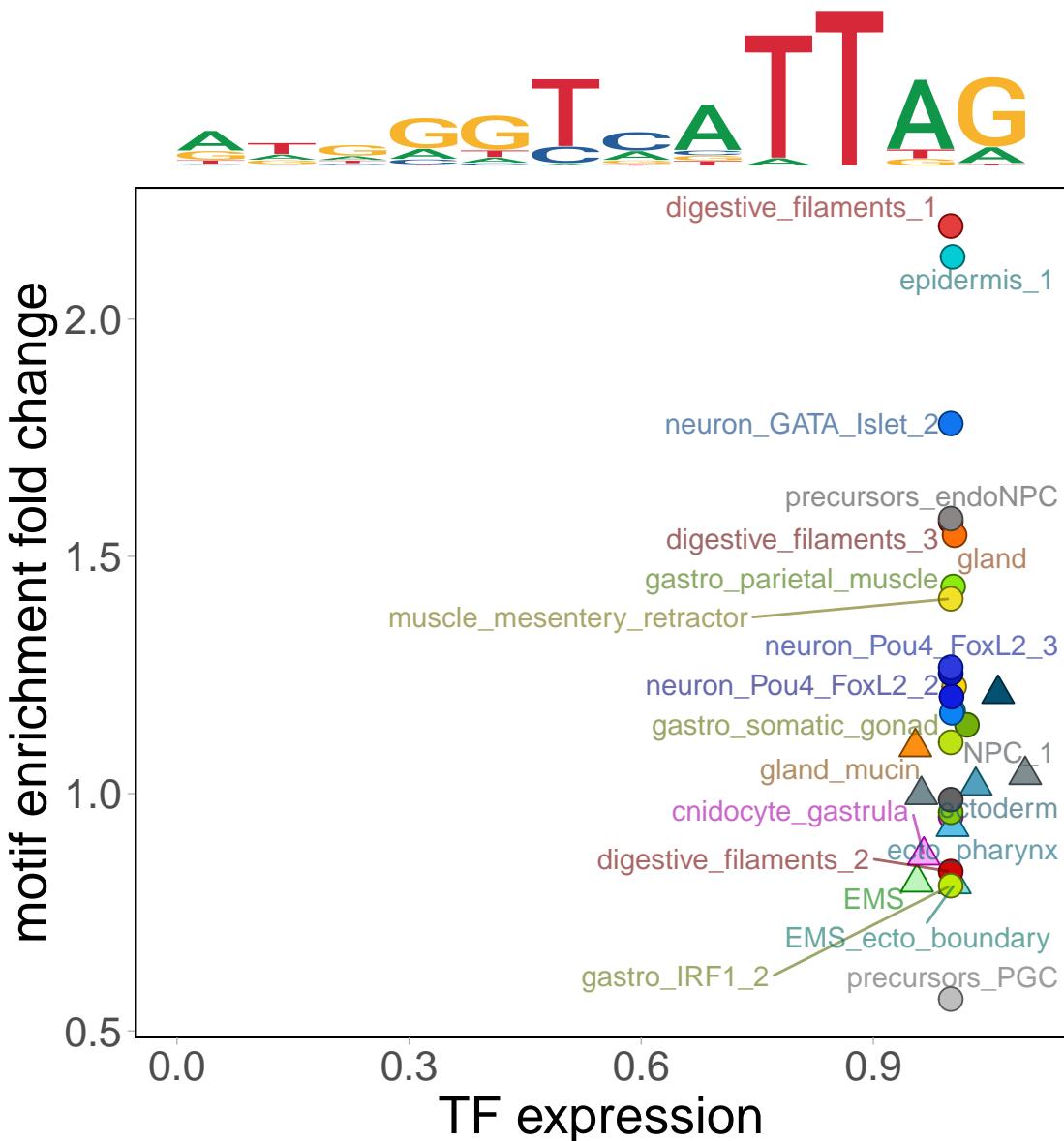
Nvec\_vc1.1\_XM\_032363859.2  
OG: Forkhead.HG1.32:FOXP2  
PFAM: FOXP-CC/Forkhead  
motif: ARCH1004\_Foxa3/Foxa1/Foxa2\_  
TF family: Forkhead  
archetype family: Forkhead  
CisBP assigned: FALSE  
rank: 3  
gene expression correlation: 0.0987  
gene score correlation: 0.3419



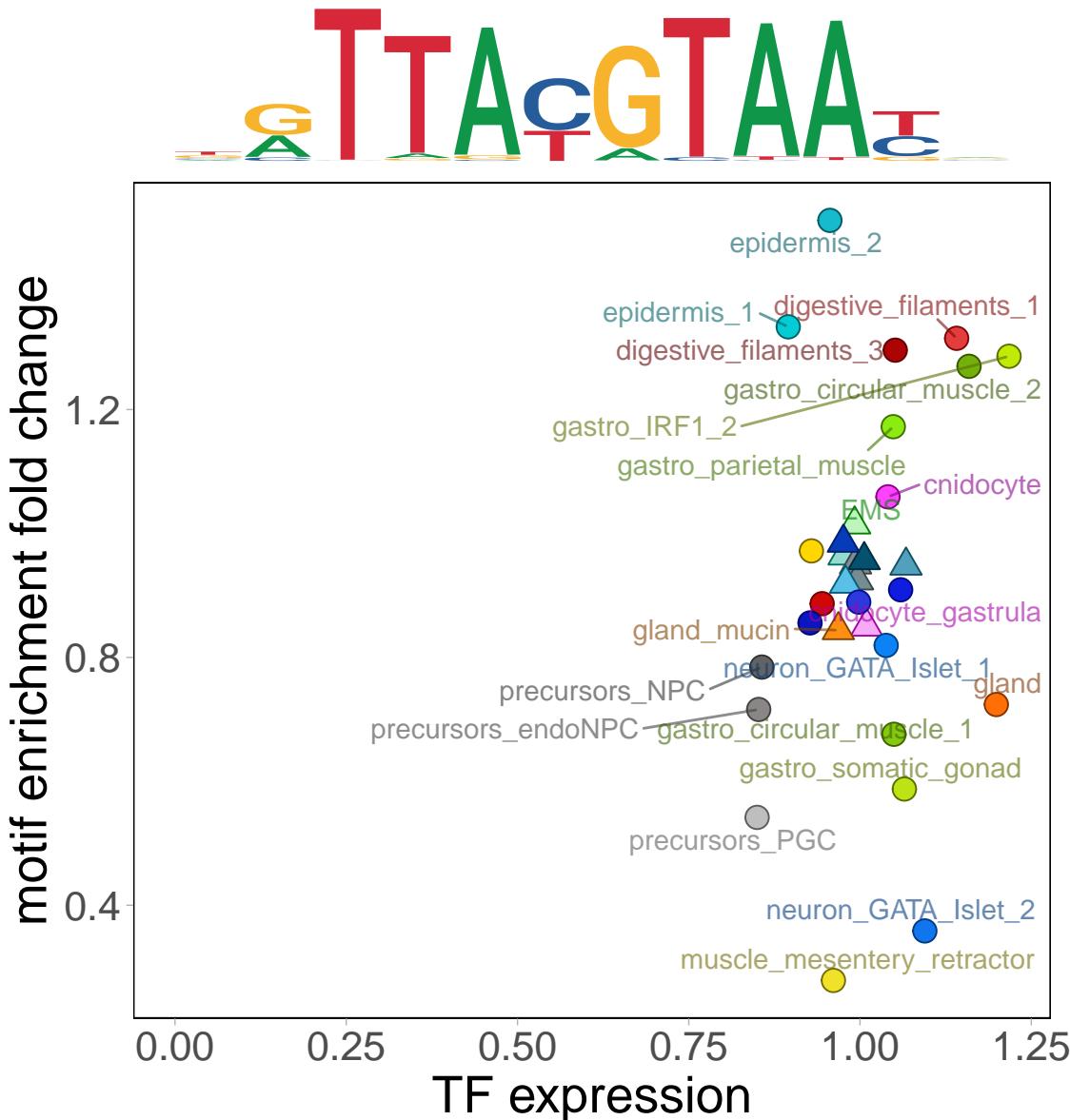
Nvec\_vc1.1\_XM\_032363874.2  
OG: Homeodomains.HG1.23:like:HHEX  
PFAM: Homeodomain  
motif: ARCH1544\_Nkx2-2/Nkx2-9  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 2  
gene expression correlation: 0.2337  
gene score correlation: 0.4811



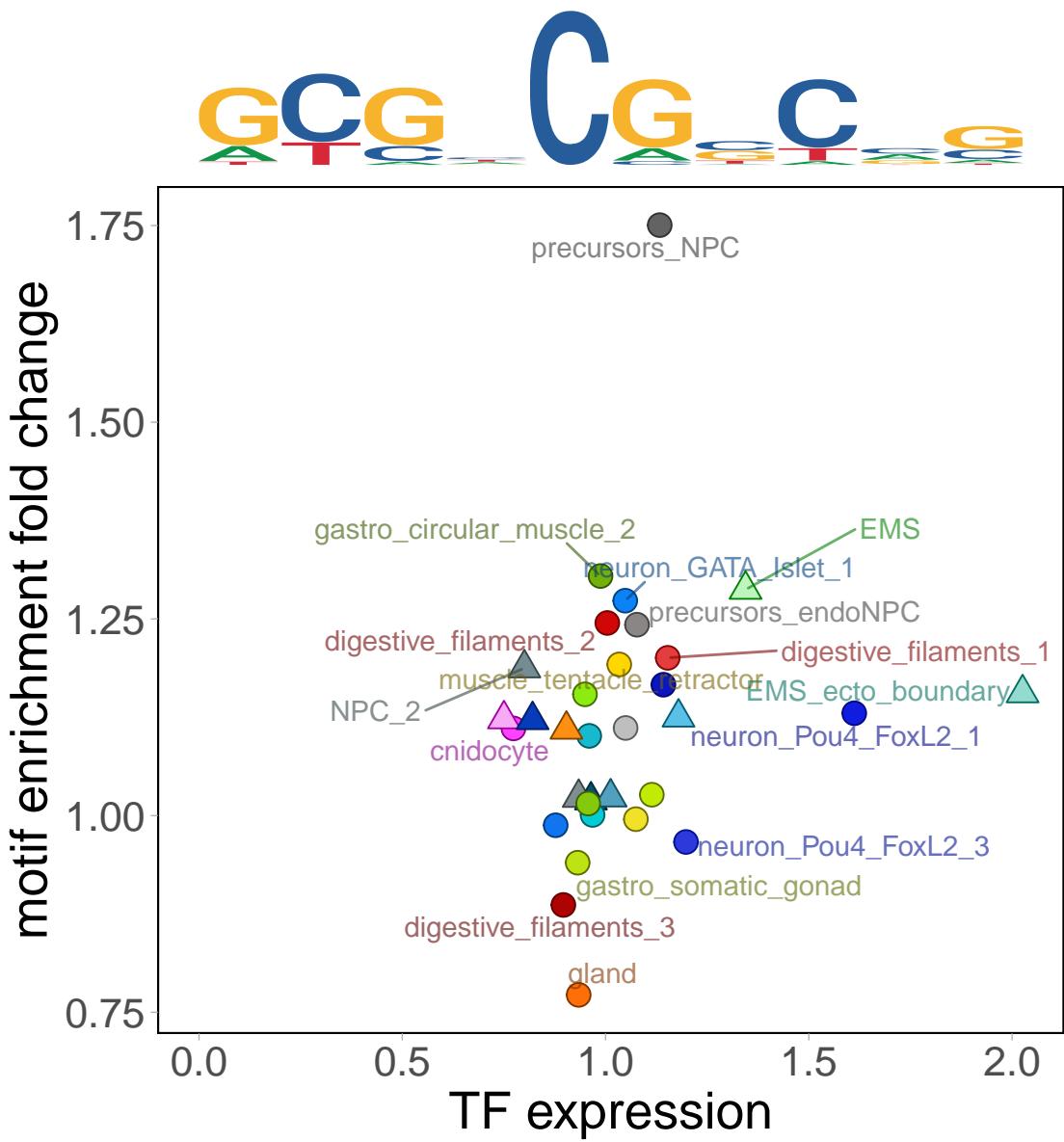
Nvec\_vc1.1\_XM\_032363920.2  
OG: Homeodomains.HG1.23:like:HHEX  
PFAM: Homeodomain  
motif: ARCH273\_HOXD3  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 56  
gene expression correlation: 0.0710  
gene score correlation: -0.3670



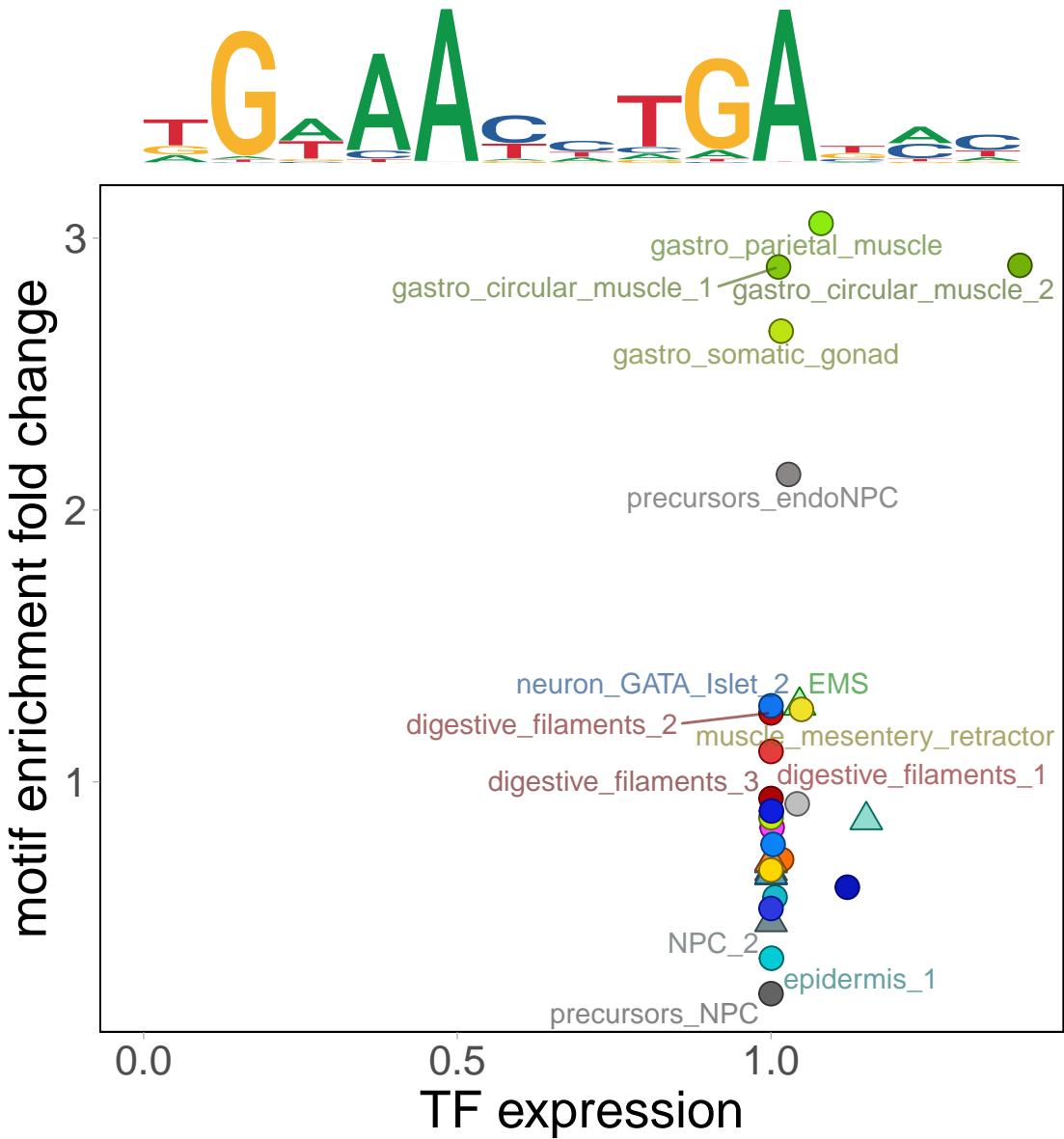
Nvec\_vc1.1\_XM\_032363985.2  
OG: bZIP.HG2.6:like:DBP/HLF/TEF  
PFAM: bZIP\_2  
motif: M02849\_2.00  
TF family: bZIP  
archetype family: bZIP  
CisBP assigned: TRUE  
rank: 0  
gene expression correlation: 0.2094  
gene score correlation: 0.2814



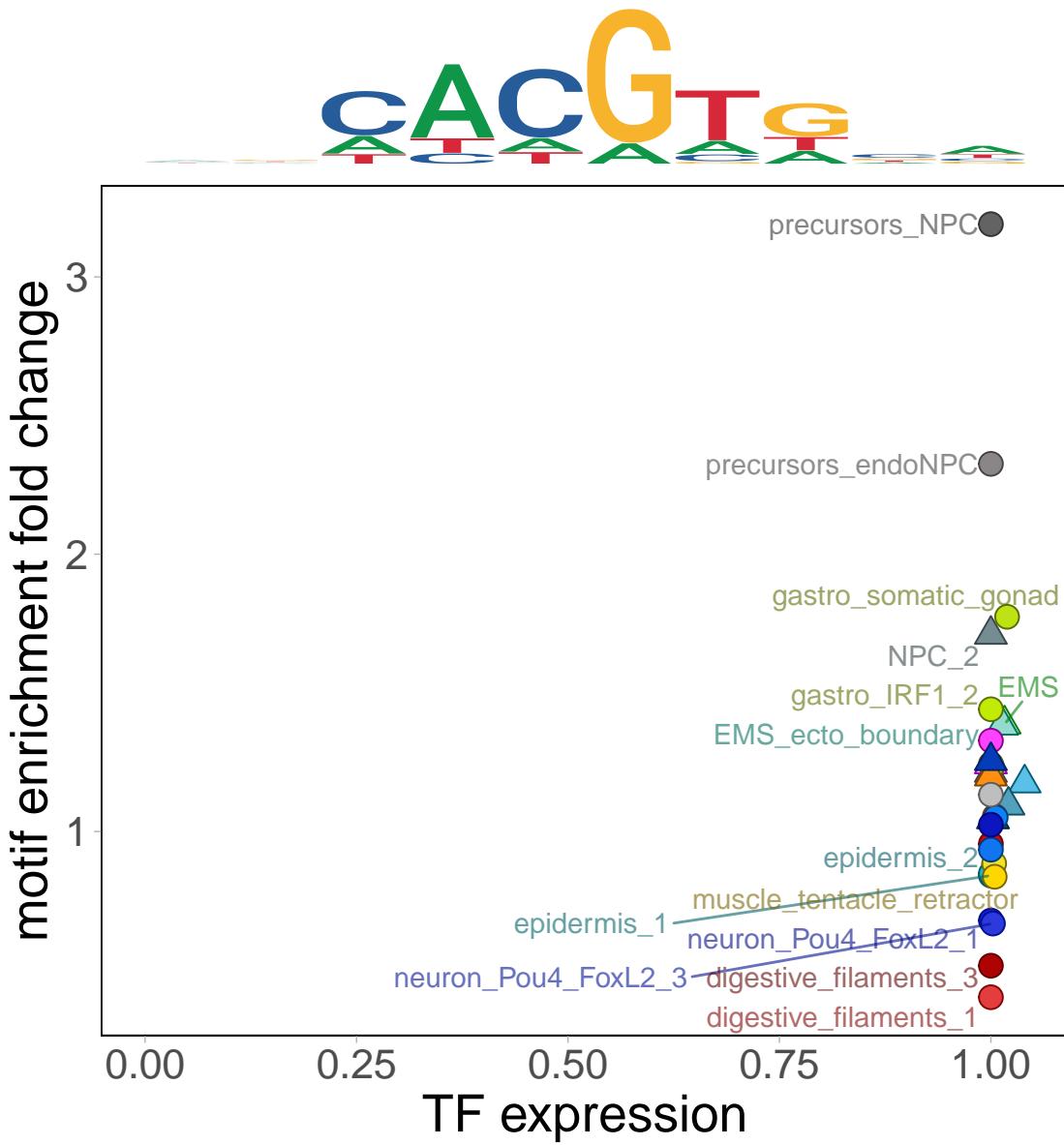
Nvec\_vc1.1\_XM\_032364001.2  
OG: SMAD\_MH1.HG1.6:SMAD1/SMAD  
PFAM: MH1/MH2  
motif: M06446\_2.00  
TF family: SMAD\_MH1  
archetype family: SMAD\_MH1  
CisBP assigned: TRUE  
rank: 0  
gene expression correlation: 0.2018  
gene score correlation: -0.0393



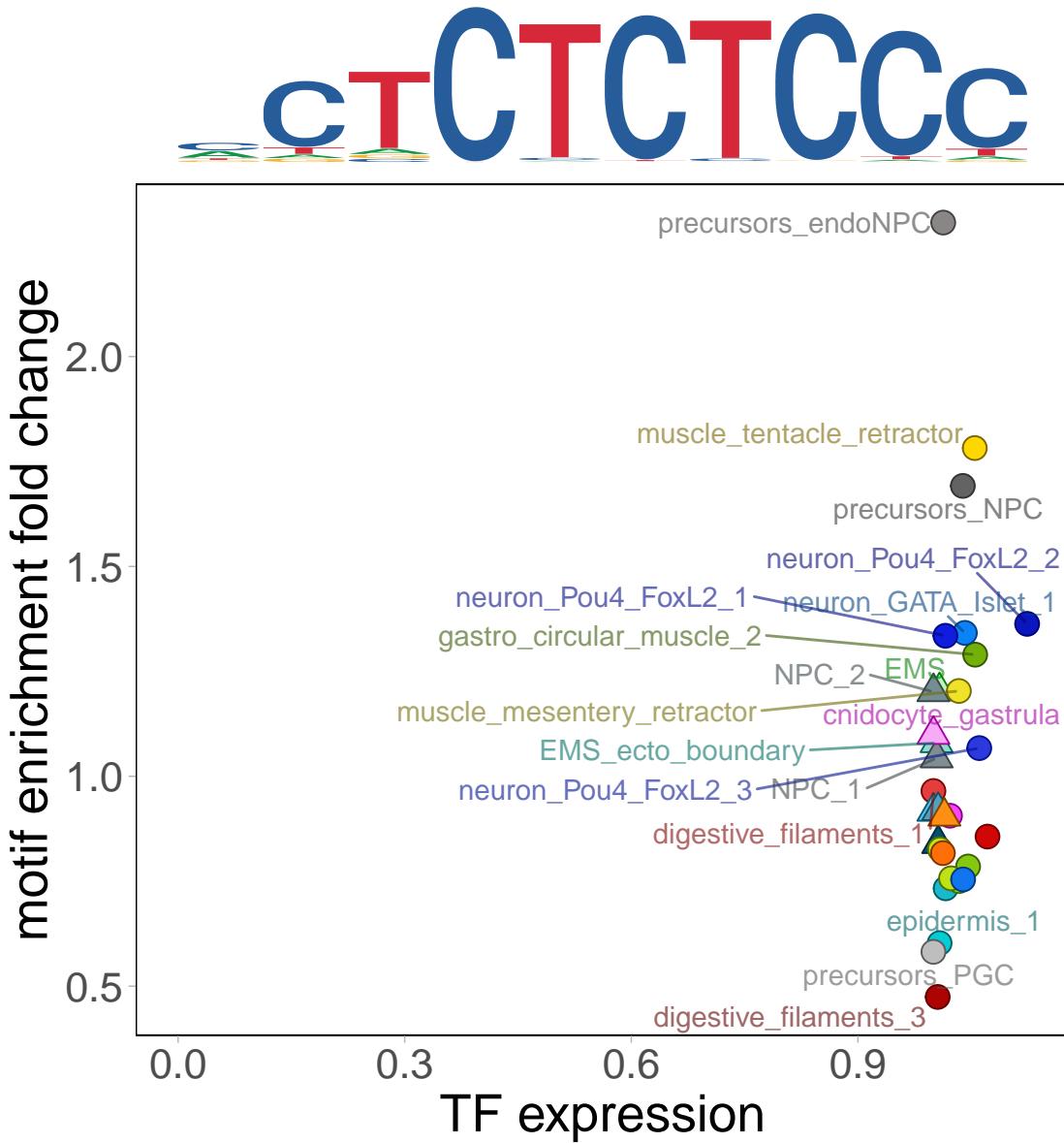
Nvec\_vc1.1\_XM\_032364121.2  
OG: Homeodomains.HG1.39:BARHL1/B  
PFAM: Homeodomain  
motif: ARCH1362\_Six1/\_Six4/Six5  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 40  
gene expression correlation: 0.4676  
gene score correlation: 0.5600



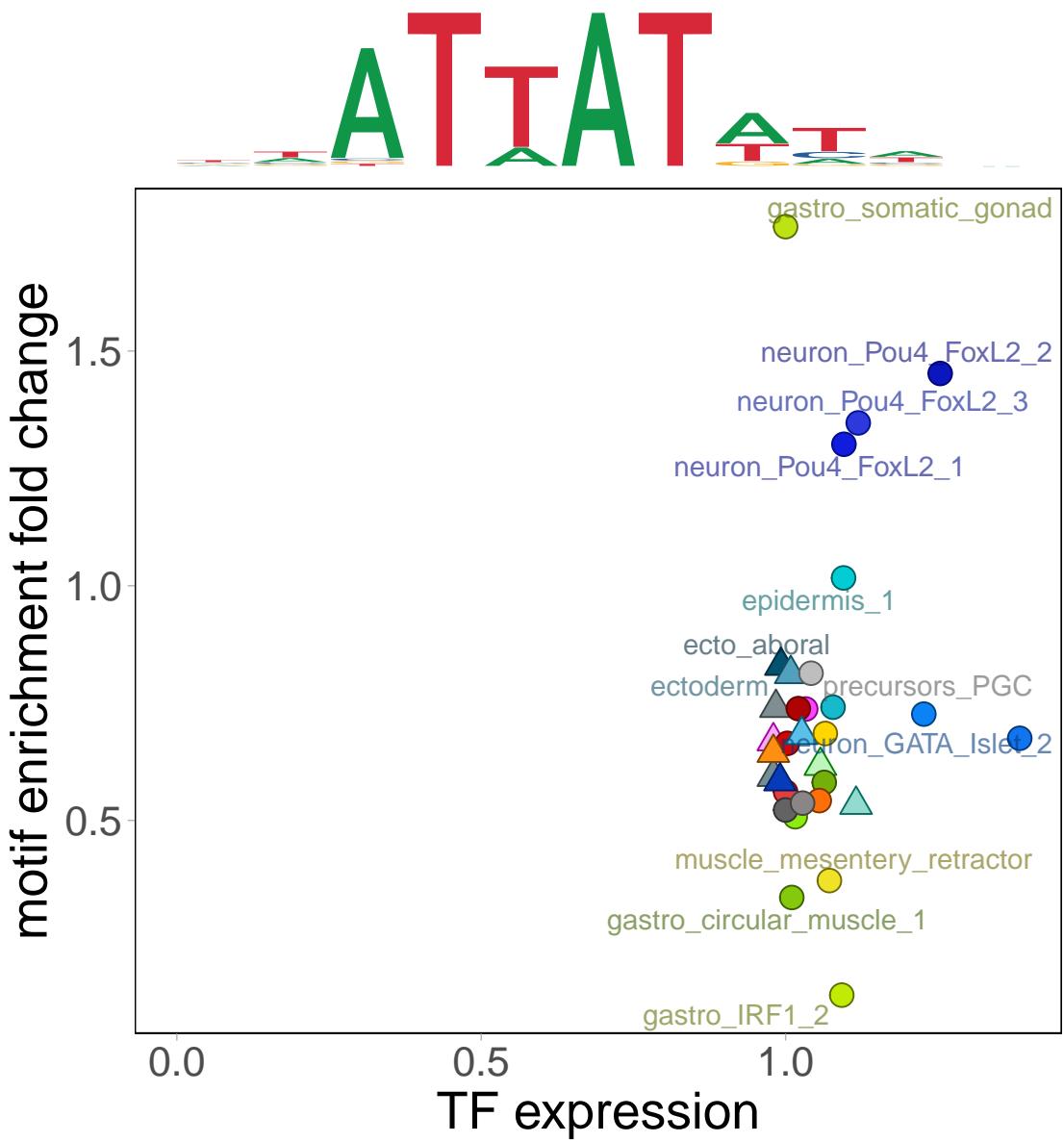
Nvec\_vc1.1\_XM\_032364139.2  
OG: HLH.HG1.8:CCDC169–SOHLH2/S  
PFAM: HLH  
motif: M04097\_2.00  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.0548  
gene score correlation: -0.1047



Nvec\_vc1.1\_XM\_032364195.2  
OG: zf-C2H2.HG3.22:like:HINFP/HIVE1  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH497\_M03679\_2.00  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 836  
gene expression correlation: 0.2602  
gene score correlation: -0.1189



Nvec\_vc1.1\_XM\_032364225.2  
OG: HMGbox\_Sox.HG1.64:like:HMG20  
PFAM: HMG\_box  
motif: M02487\_2.00  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.1942  
gene score correlation: -0.0721



Nvec\_vc1.1\_XM\_032364281.2

OG: Myb.HG1.23:TERB1/TERF2

PFAM: Myb\_DNA-binding

motif: ARCH1391\_MYB113

TF family: Myb

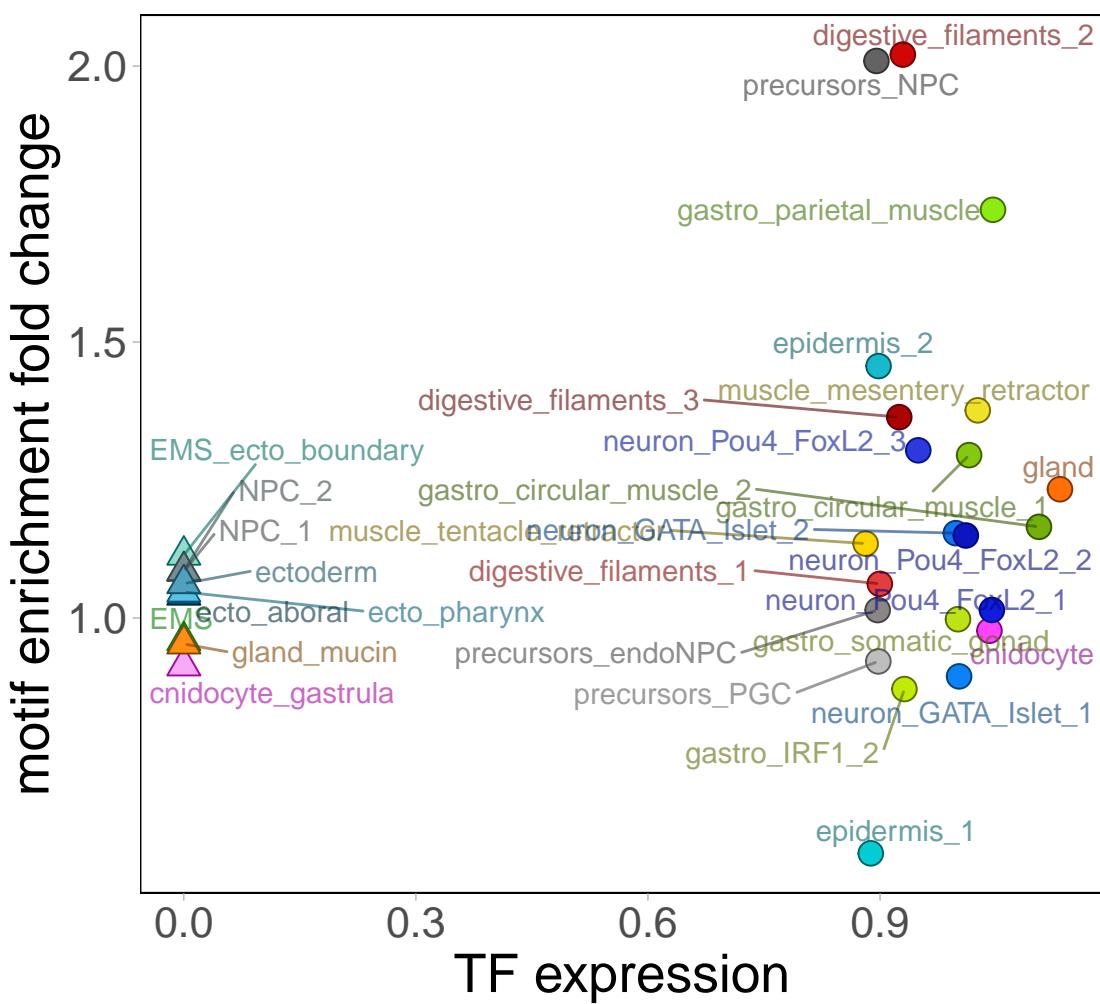
archetype family: Myb

CisBP assigned: FALSE

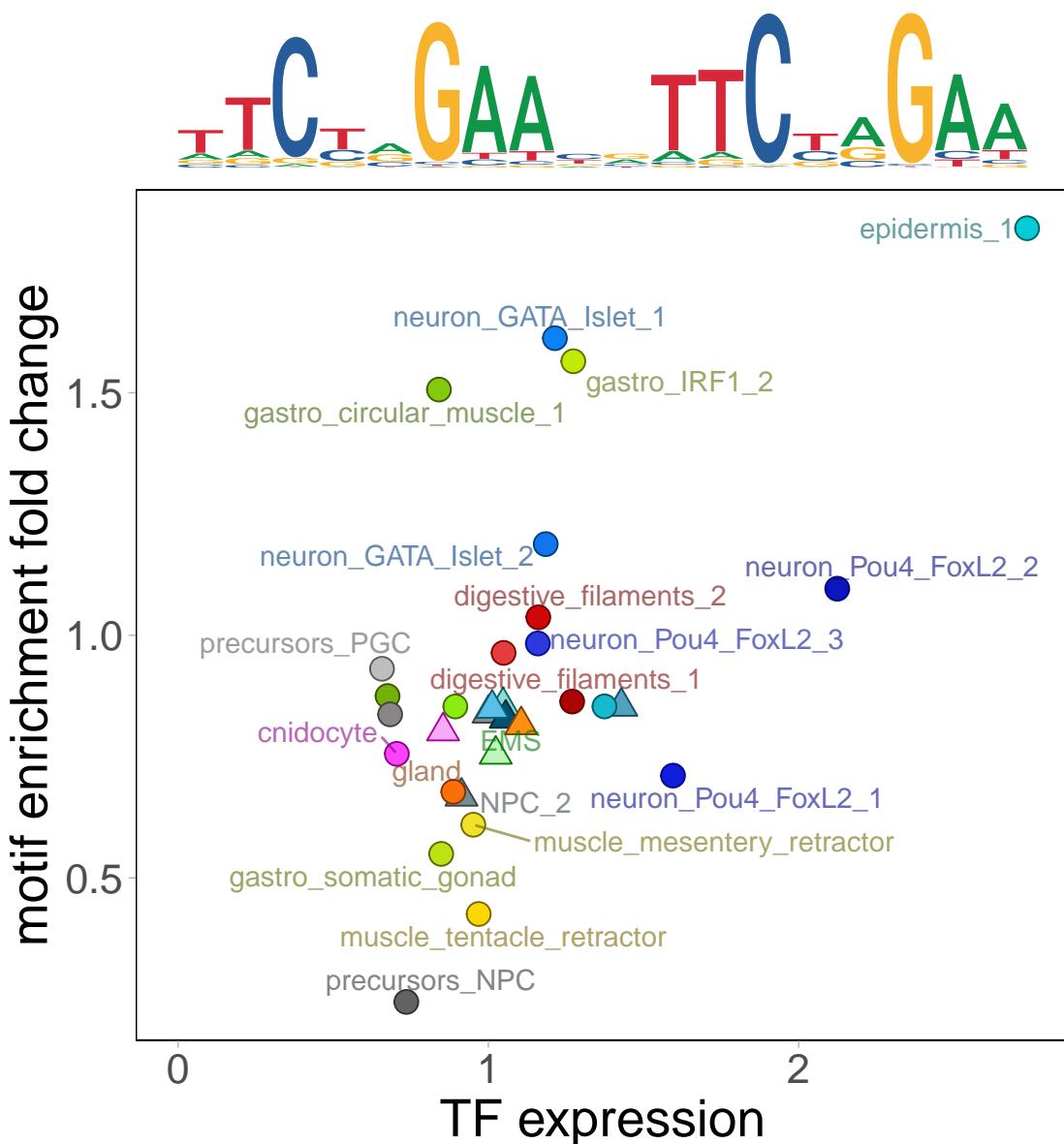
rank: 107

gene expression correlation: 0.2736

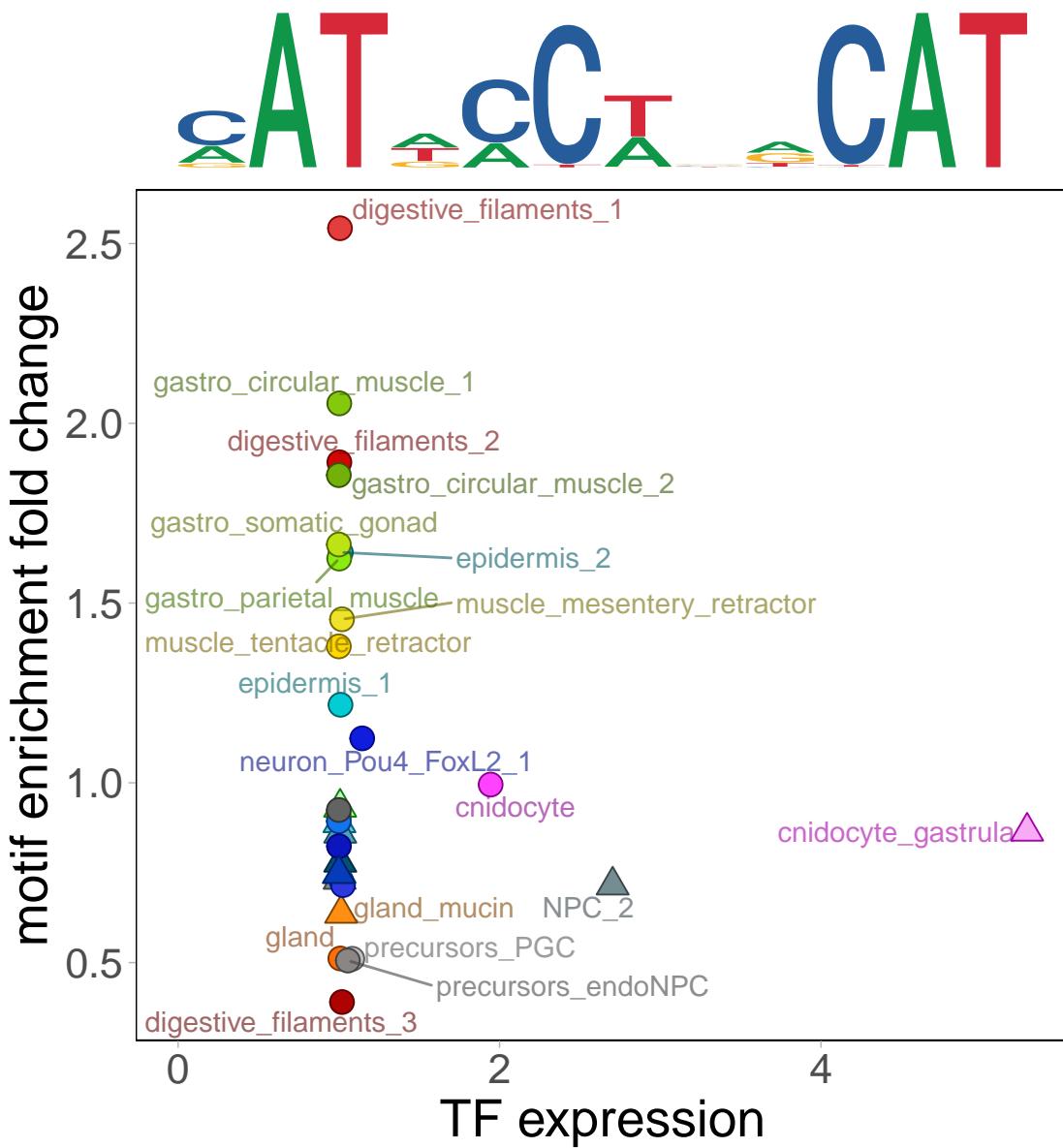
gene score correlation: 0.2756



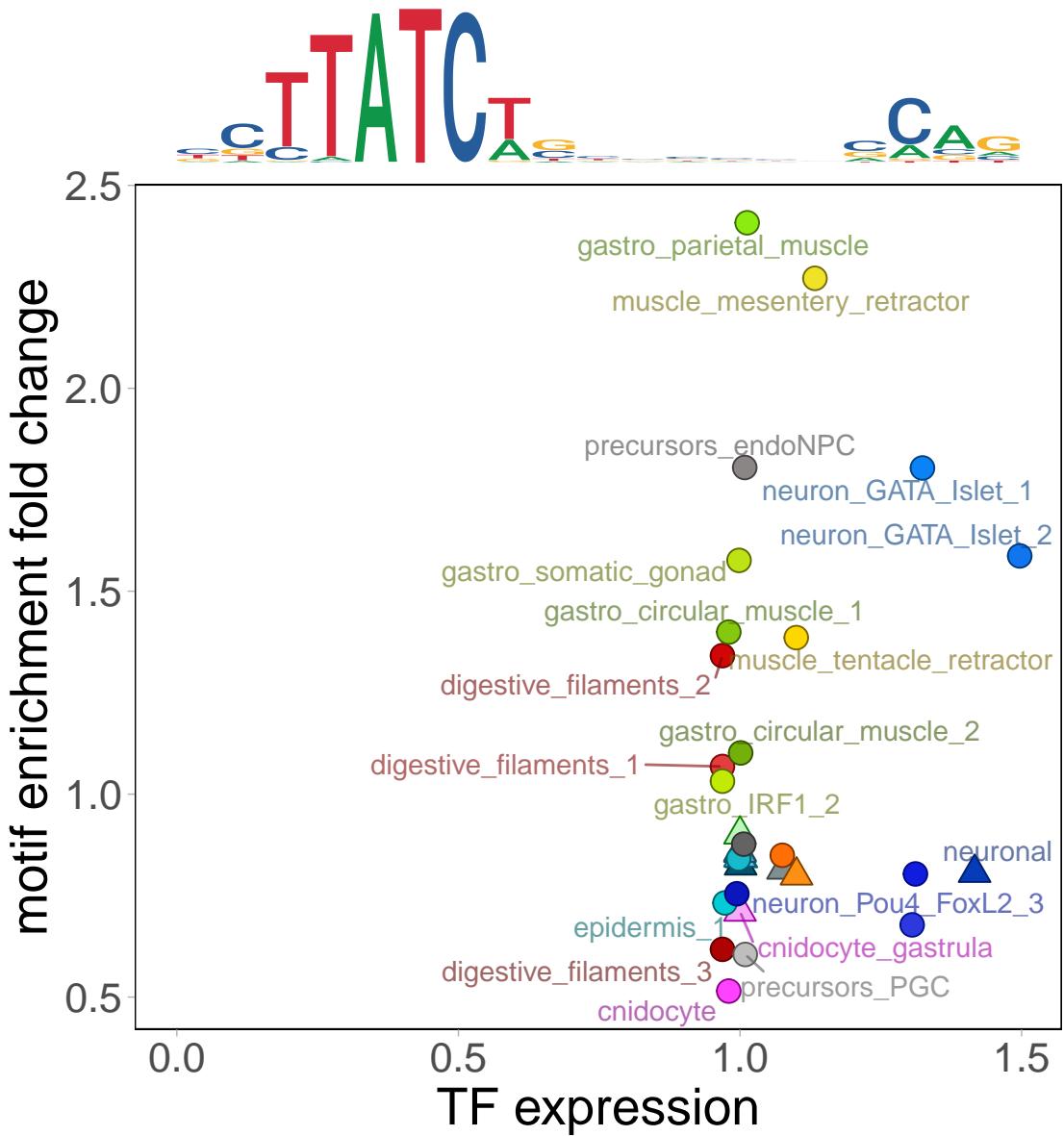
Nvec\_vc1.1\_XM\_032364329.2  
OG: HSF.HG1.5:HSF1/HSF2/HSF4  
PFAM: HSF\_DNA-bind/Vert\_HS\_TF  
motif: ARCH737\_Hsf1/Hsf2/Hsf4/Hsf3  
TF family: HSF  
archetype family: HSF  
CisBP assigned: TRUE  
rank: 1  
gene expression correlation: 0.5413  
gene score correlation: 0.7105



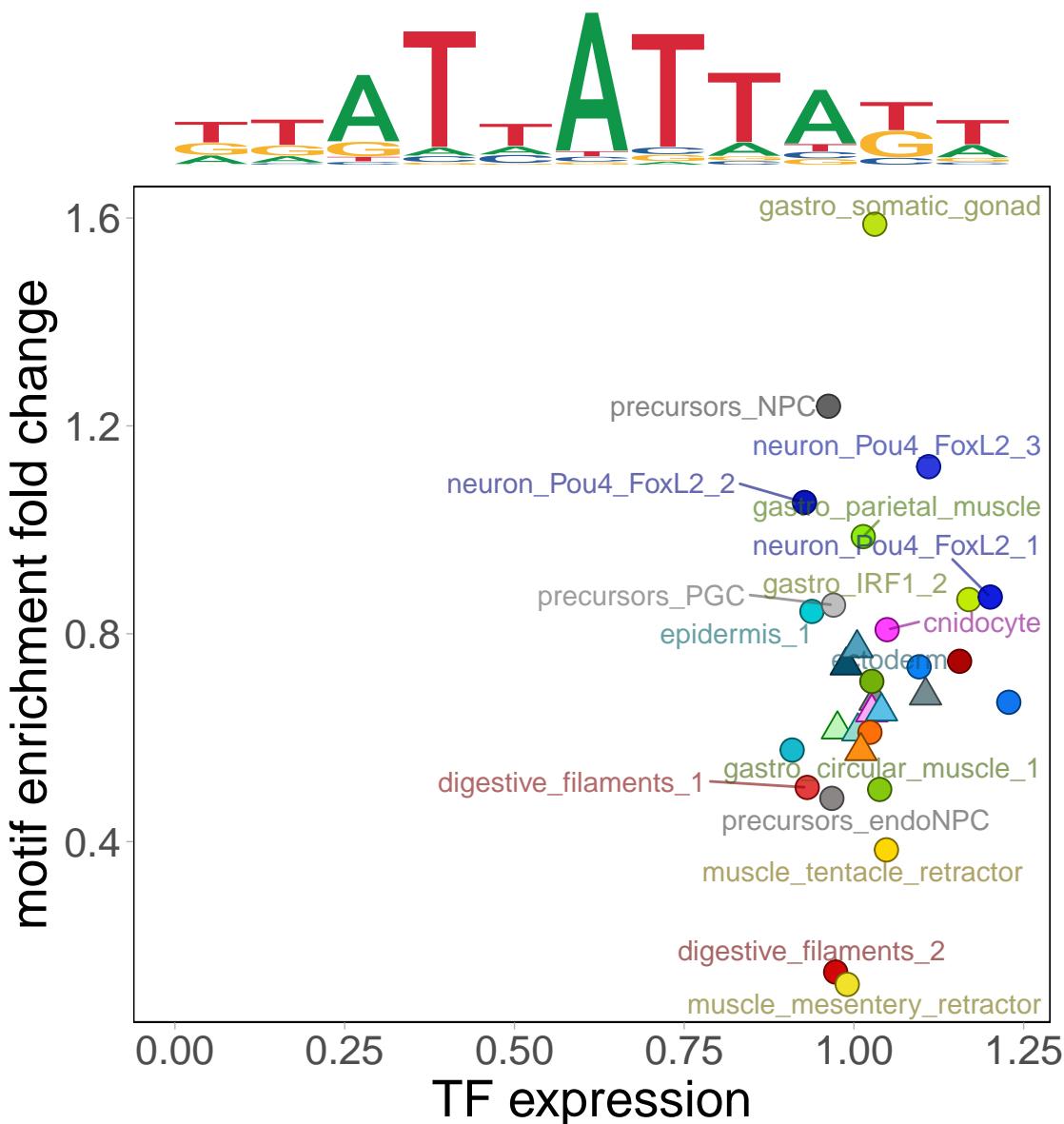
Nvec\_vc1.1\_XM\_032364331.2  
OG: TEA.HG1.0:TEAD1/TEAD2/TEAD3  
PFAM: TEA  
motif: Nvec\_vc1.1\_XM\_032364331.2\_T  
TF family: TEA  
archetype family: TEA  
CisBP assigned: TRUE  
rank: 0  
gene expression correlation: -0.1258  
gene score correlation: -0.0330



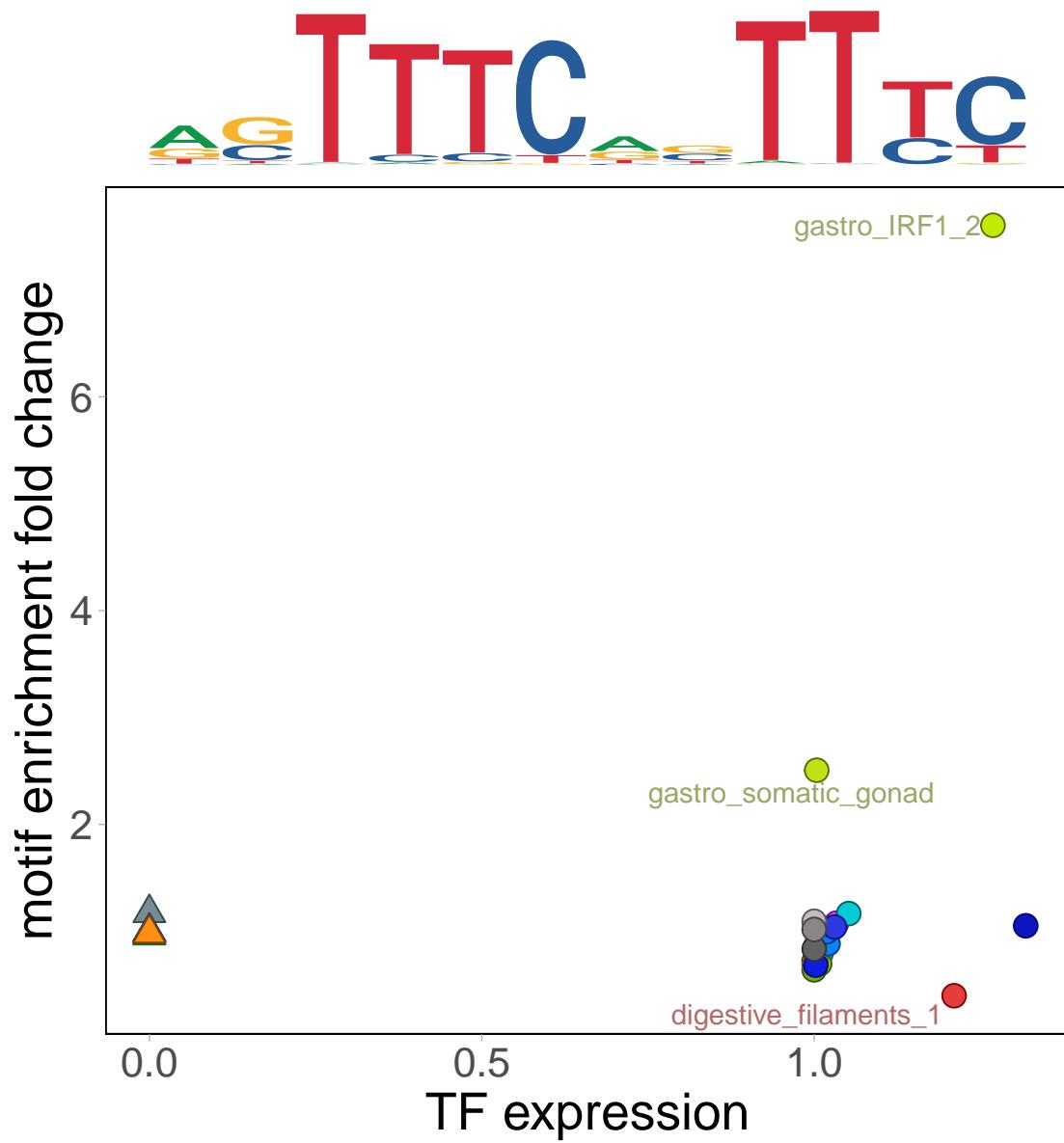
Nvec\_vc1.1\_XM\_032364348.2  
OG: HLH.HG1.34:like:ASCL1/ASCL2/AS  
PFAM: HLH  
motif: M08734\_2.00  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.1643  
gene score correlation: 0.5679



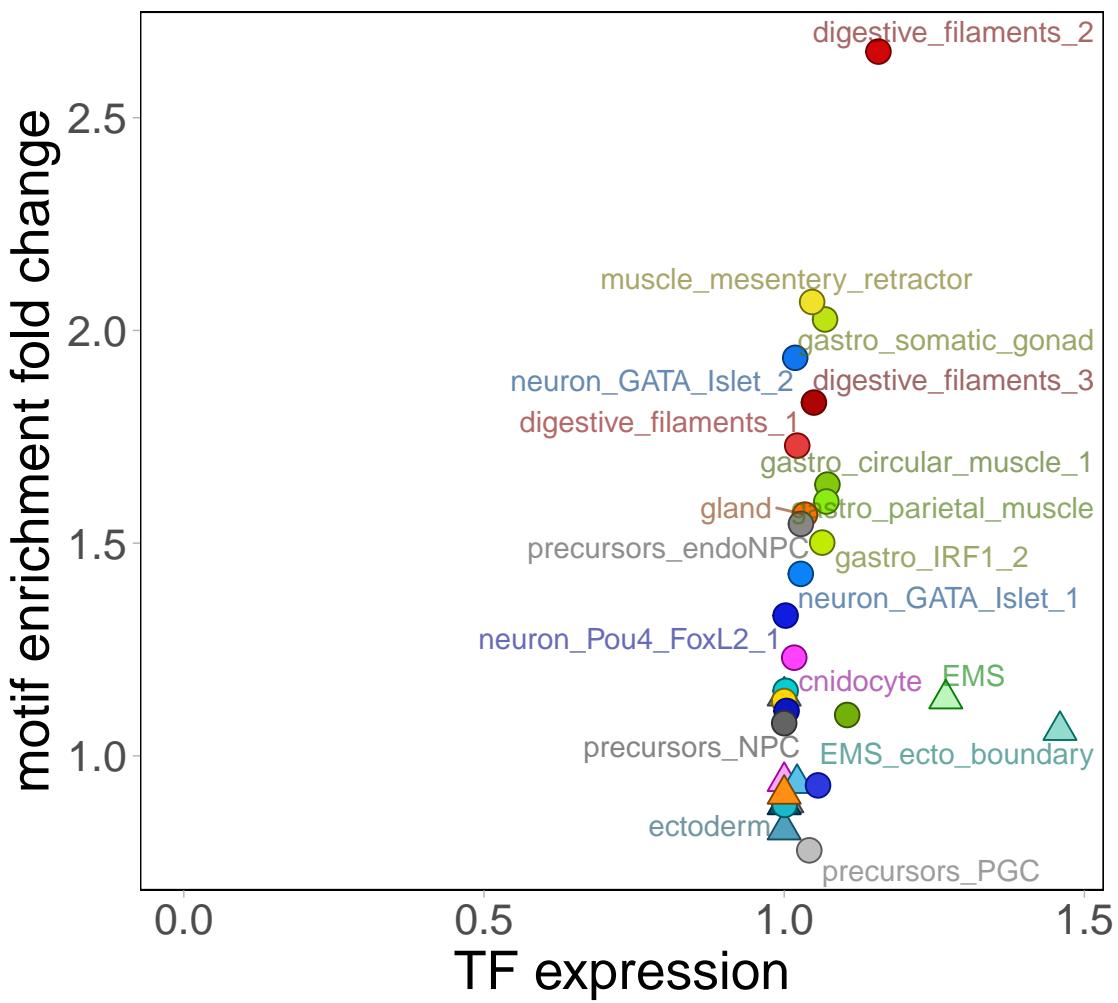
Nvec\_vc1.1\_XM\_032364359.2  
OG: HMGbox\_Sox.HG1.40:TOX/TOX2/  
PFAM: HMG\_box  
motif: ARCH21\_Mael\_Tox3/Tox/Tox2/Tox  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: TRUE  
rank: 656  
gene expression correlation: 0.1317  
gene score correlation: -0.0766



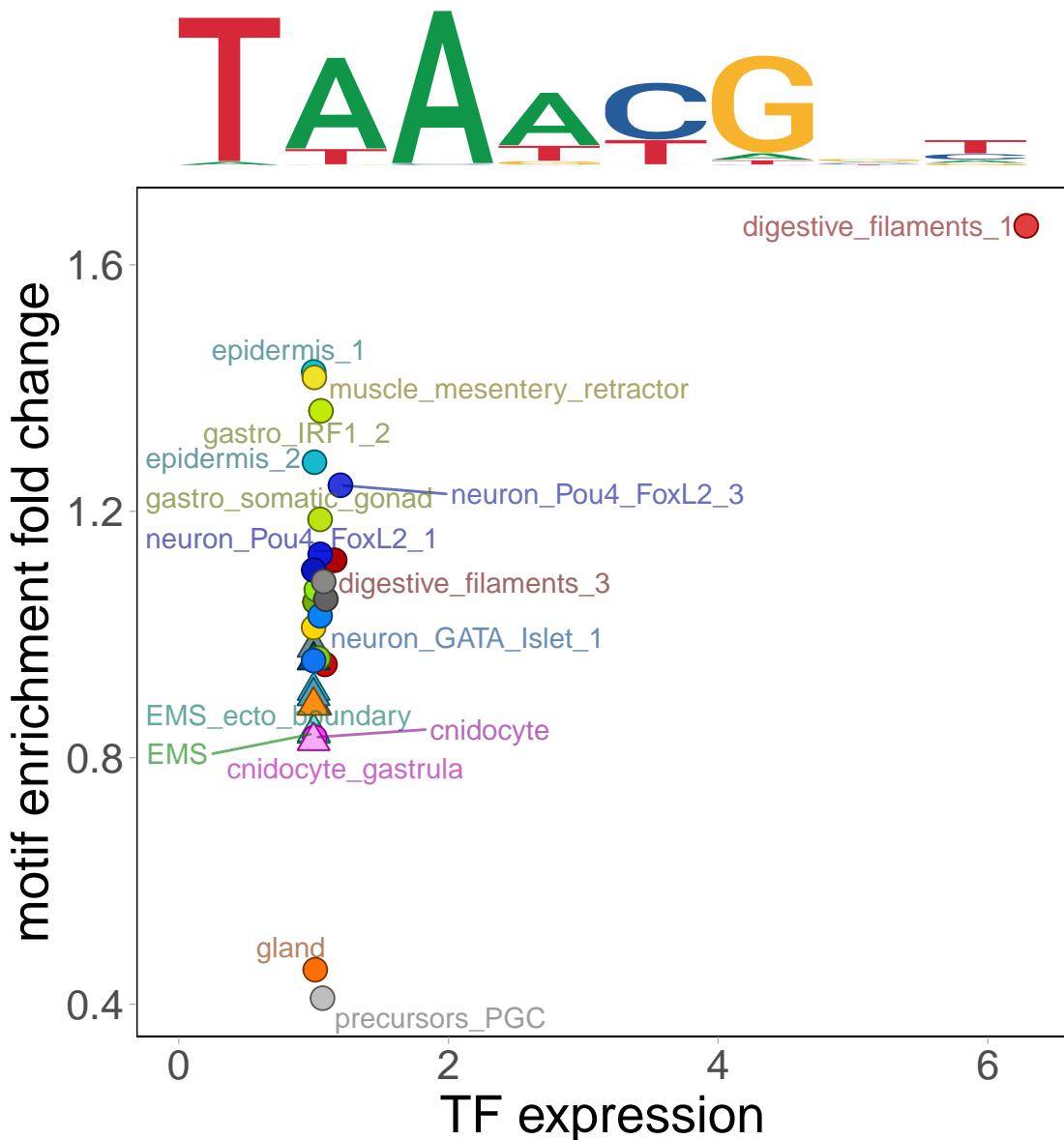
Nvec\_vc1.1\_XM\_032364373.2  
OG: IRF.HG1.1:IRF1/IRF2/IRF3/IRF4/IRF5  
PFAM: IRF  
motif: ARCH591\_ISRE\_\_IRF3\_\_IRF8  
TF family: IRF  
archetype family: IRF  
CisBP assigned: FALSE  
rank: 67  
gene expression correlation: 0.1657  
gene score correlation: 0.0350



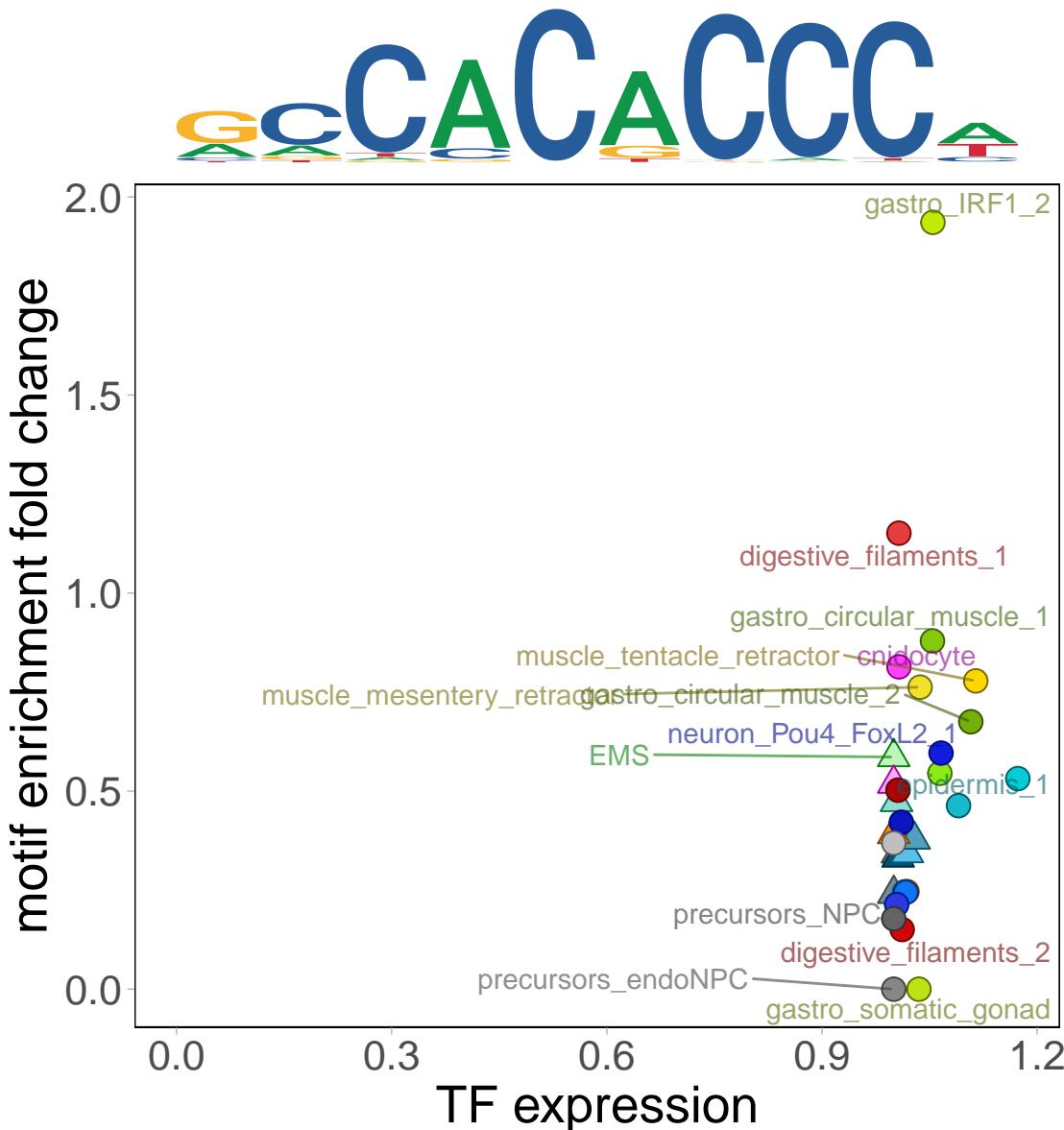
Nvec\_vc1.1\_XM\_032364561.2  
OG: Homeodomains.HG2.0:HNF1A/HN  
PFAM: HNF-1\_N/Homeodomain  
motif: ARCH1503\_Meis3/Meis2/Meis1\_  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 103  
gene expression correlation: 0.1238  
gene score correlation: 0.0642



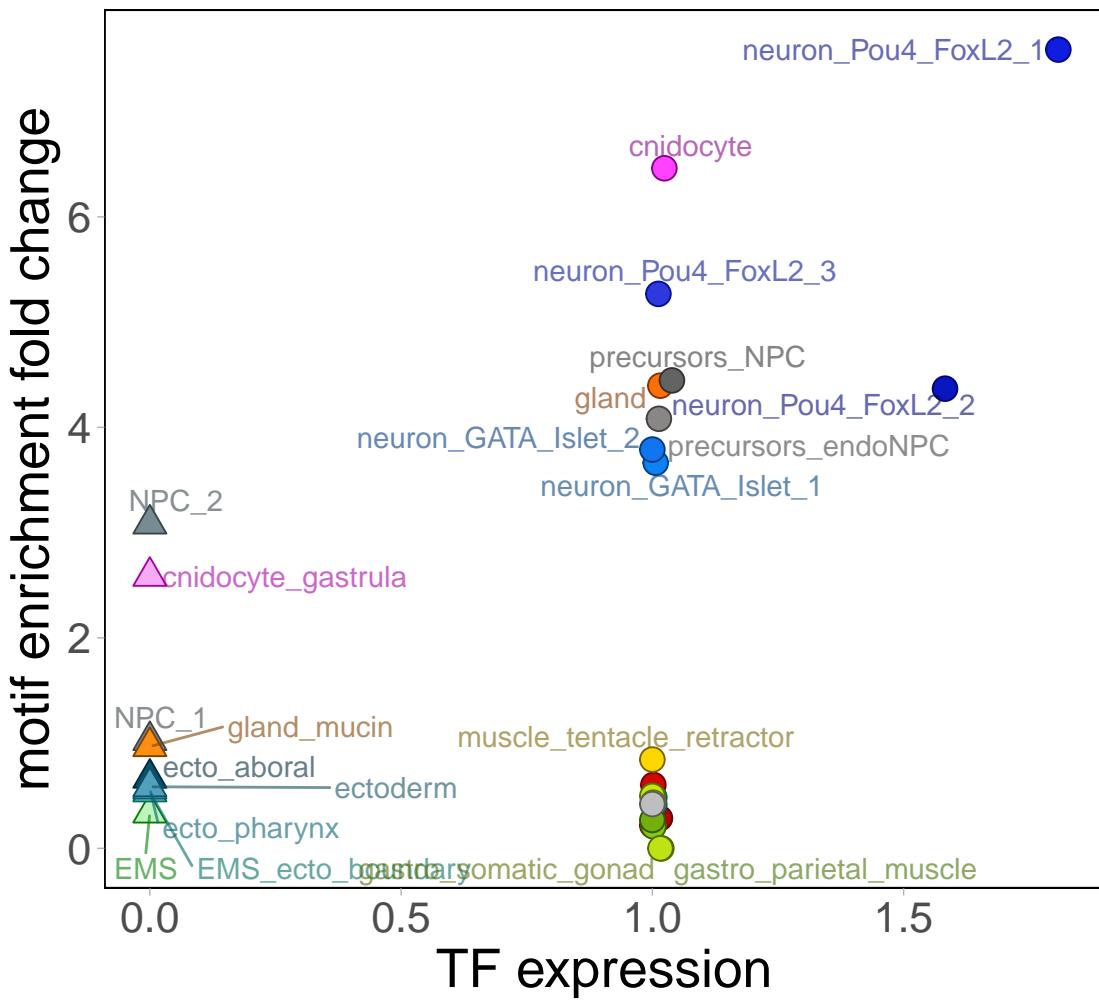
Nvec\_vc1.1\_XM\_032364605.2  
OG: Homeodomains.HG1.21:BARX1/B...  
PFAM: Homeodomain  
motif: ARCH1336\_Alx3/Alx4/Alx1\_Bar...  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: TRUE  
rank: 8  
gene expression correlation: 0.4717  
gene score correlation: 0.4681



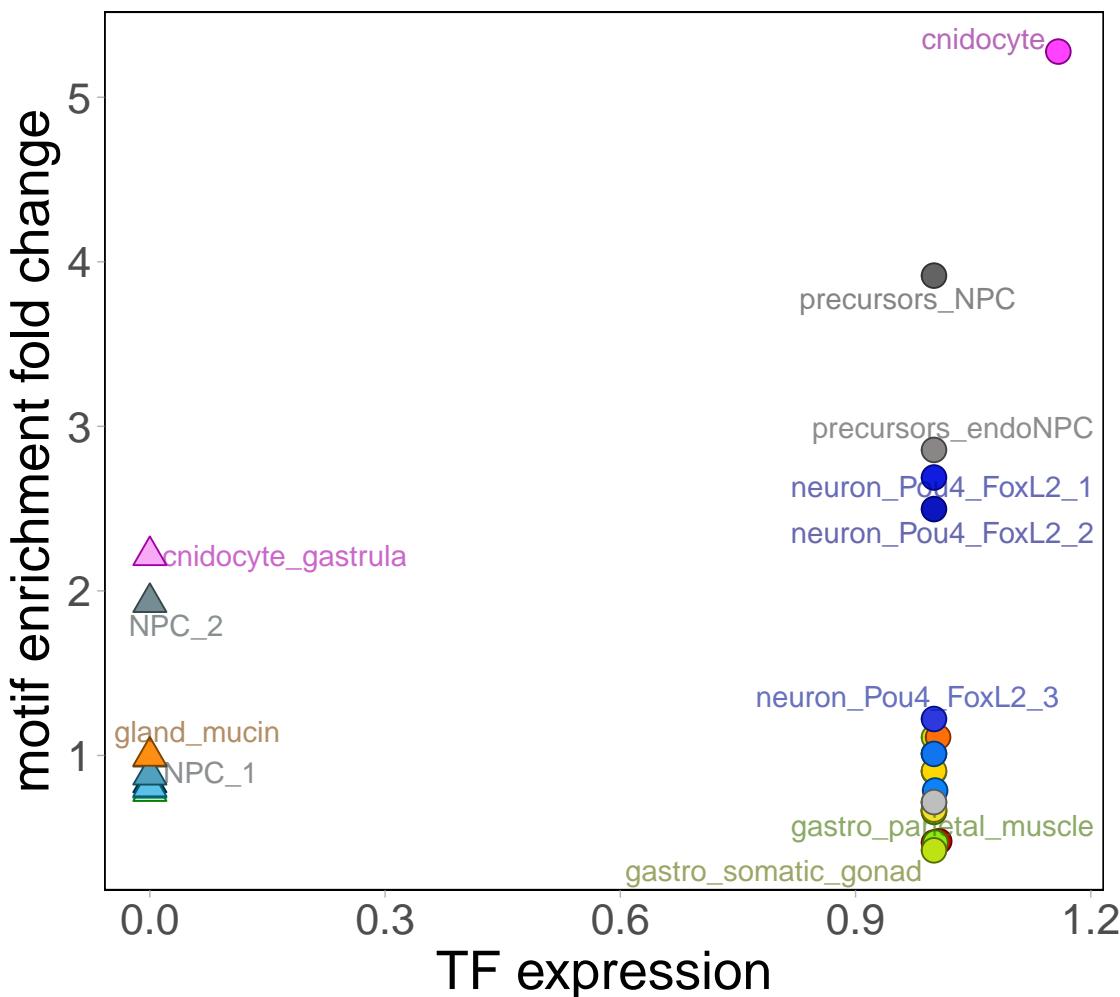
Nvec\_vc1.1\_XM\_032364704.2  
OG: zf-C2H2.HG4.1:like:GLI1/GLI2/GL  
PFAM: zf-C2H2  
motif: ARCH346\_Klf1/Klf4/Klf2\_Klf1...  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 189  
gene expression correlation: 0.2970  
gene score correlation: 0.1321



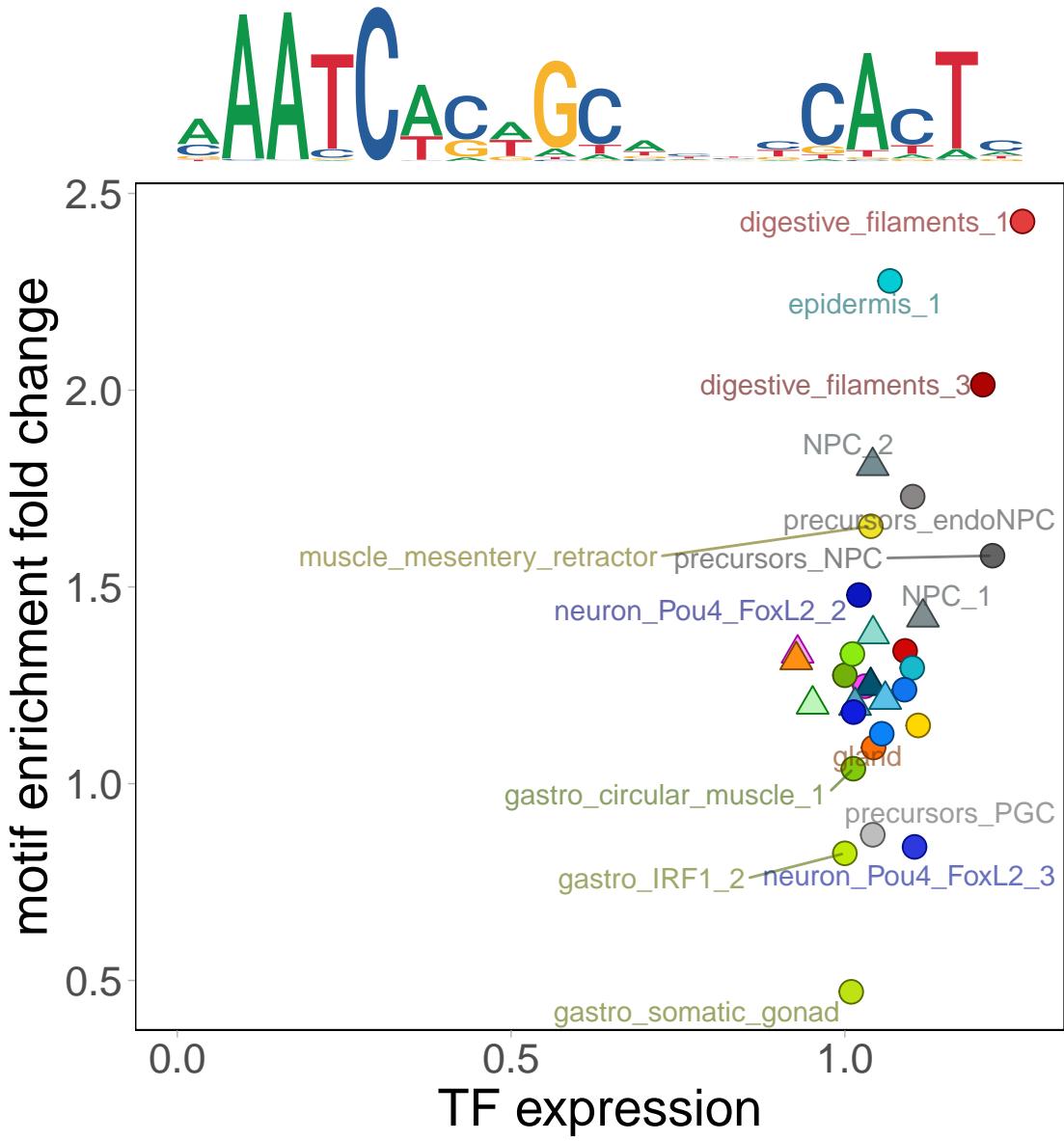
Nvec\_vc1.1\_XM\_032364814.2  
OG: zf-C2H2.HG1.35:FEZF1/FEZF2/G  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: ARCH530\_Snai2  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 8  
gene expression correlation: 0.3862  
gene score correlation: 0.7524



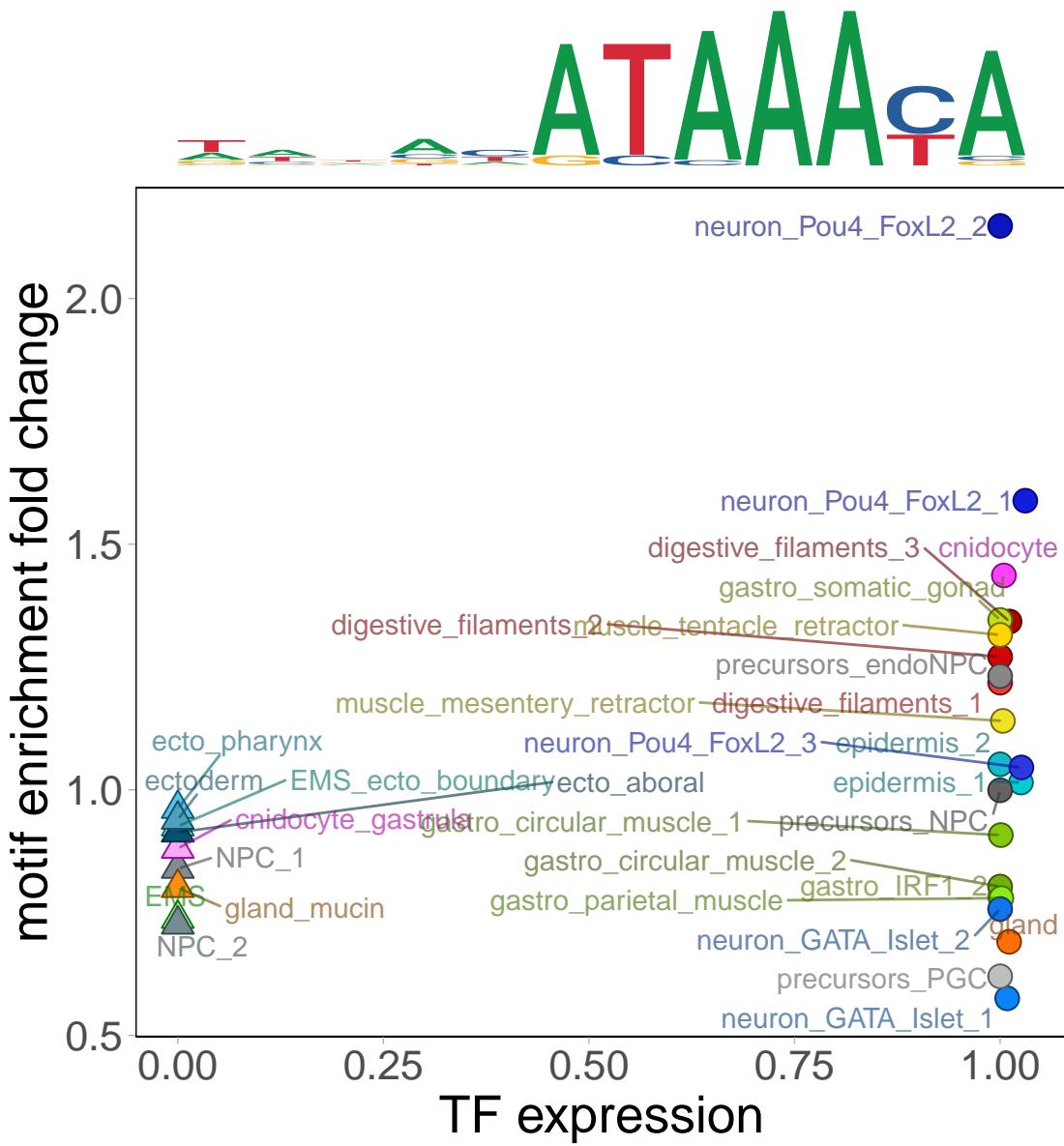
Nvec\_vc1.1\_XM\_032364851.2  
OG: zf-C2H2.HG1.32:like:AC008758.1/  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH861\_Scrt2/Scrt1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 4  
gene expression correlation: 0.1442  
gene score correlation: 0.5795



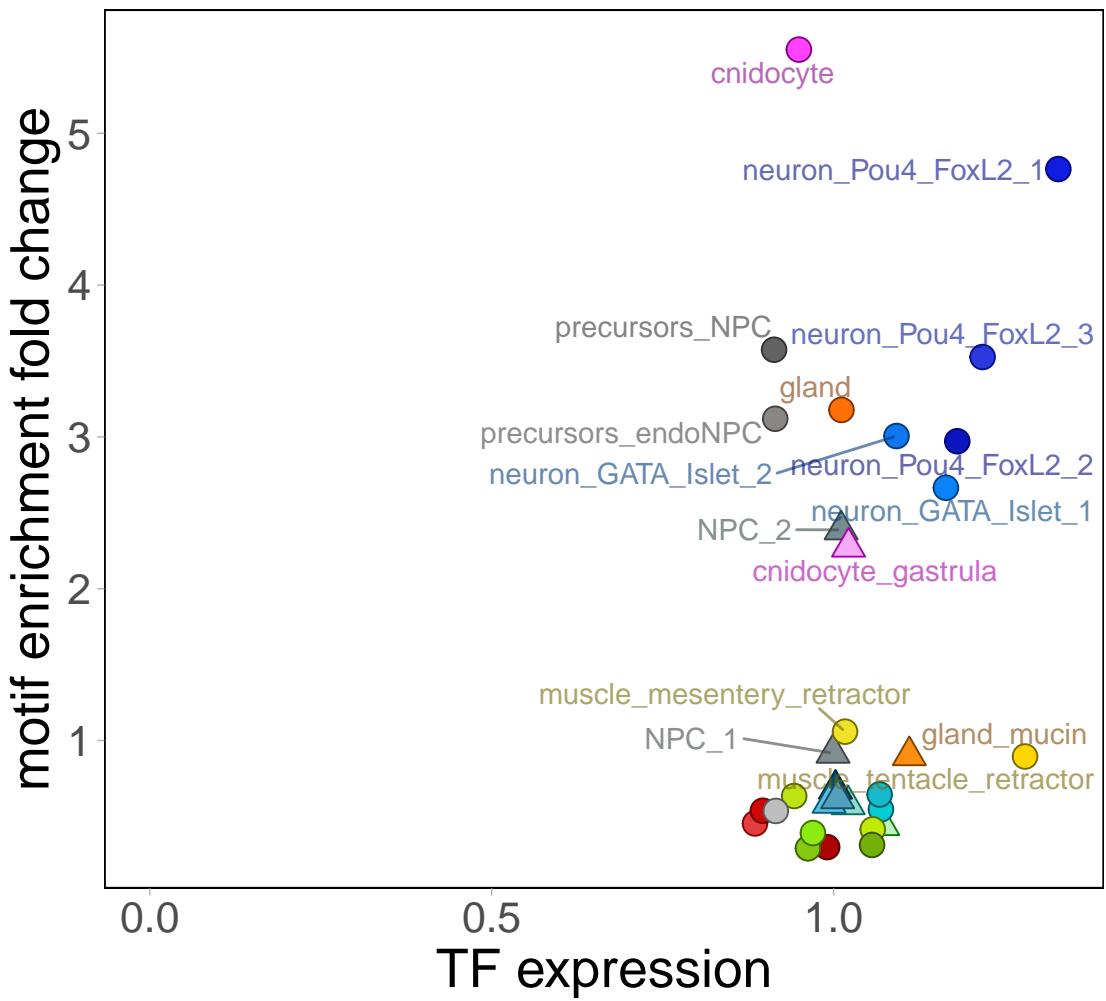
Nvec\_vc1.1\_XM\_032364903.2  
OG: zf-C2H2.HG1.57:like:AC008758.1/  
PFAM: zf-C2H2  
motif: ARCH1345\_Gfi1b/Gfi1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 1169  
gene expression correlation: 0.5188  
gene score correlation: -0.1519



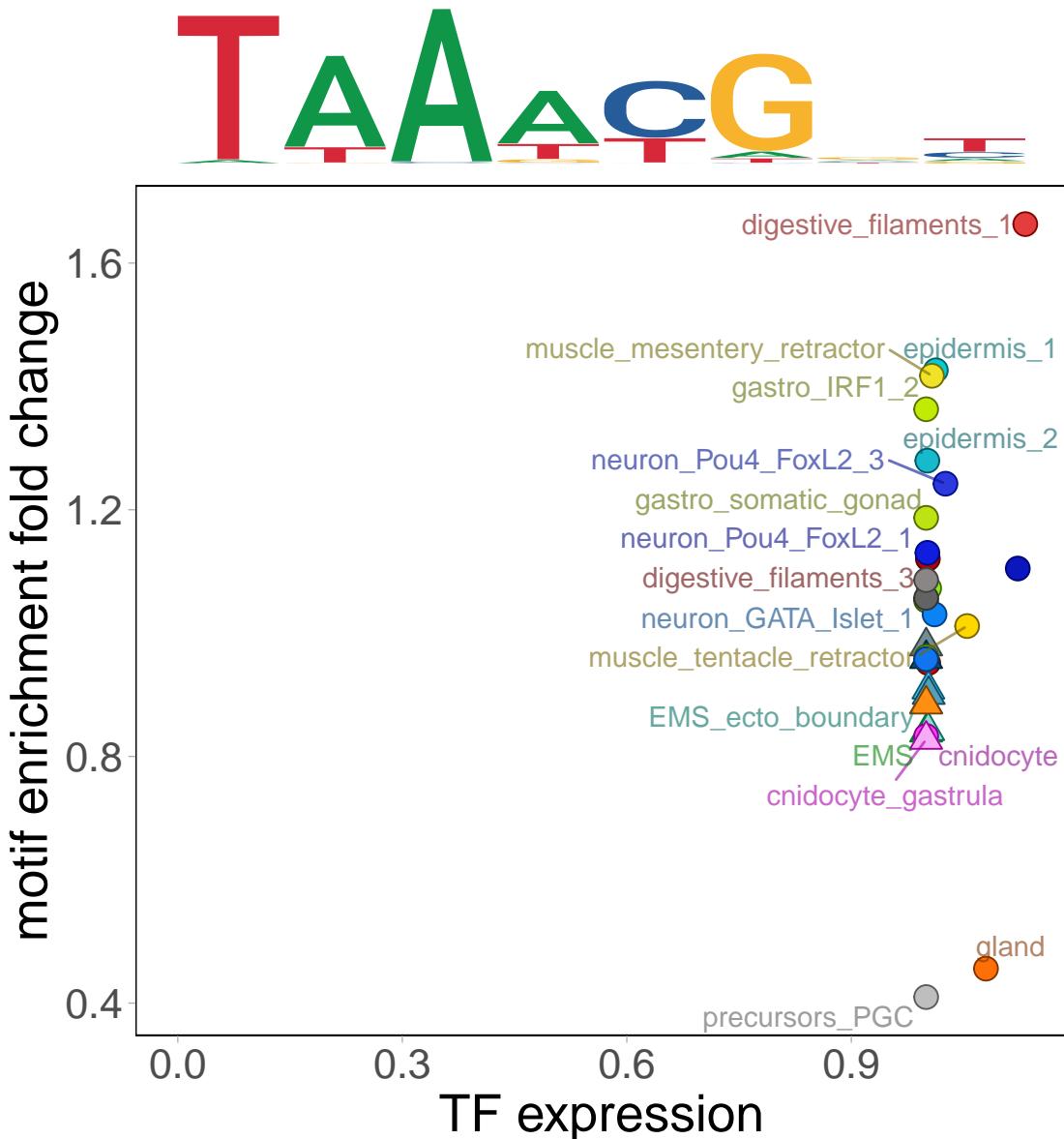
Nvec\_vc1.1\_XM\_032365104.2  
OG: Forkhead.HG1.34:like:FOXO1/FOX  
PFAM: Forkhead  
motif: ARCH1018\_Foxc2/Foxc1\_Foxd2/  
TF family: Forkhead  
archetype family: Forkhead  
CisBP assigned: FALSE  
rank: 447  
gene expression correlation: 0.3326  
gene score correlation: -0.0561



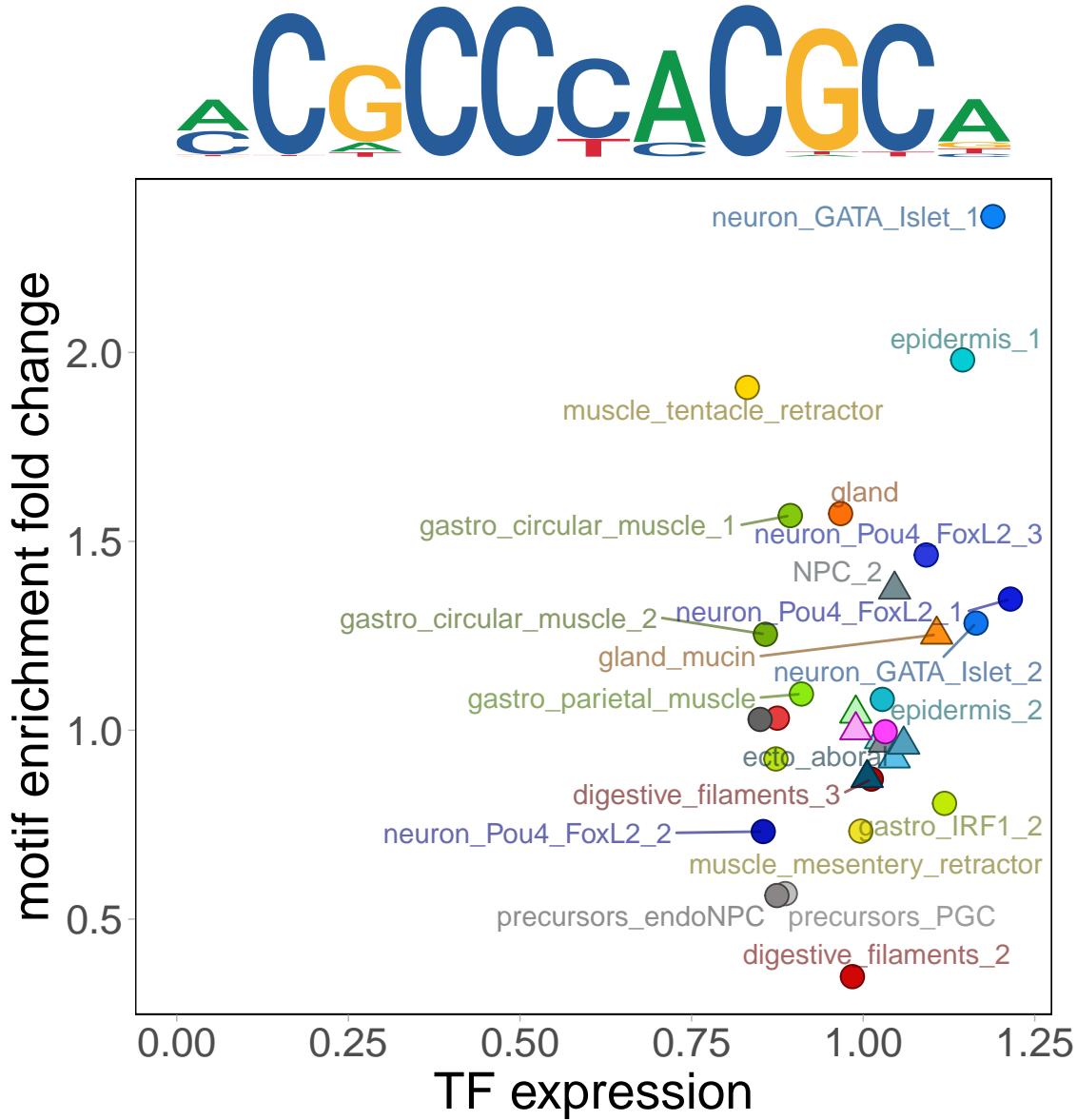
Nvec\_vc1.1\_XM\_032365192.2  
OG: HLH.HG1.0:AC019117.4/AHR/AHF  
PFAM: HLH/PAS  
motif: ARCH867\_ZEB1\_\_PL0011.1\_hlh  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 85  
gene expression correlation: 0.2920  
gene score correlation: 0.1484



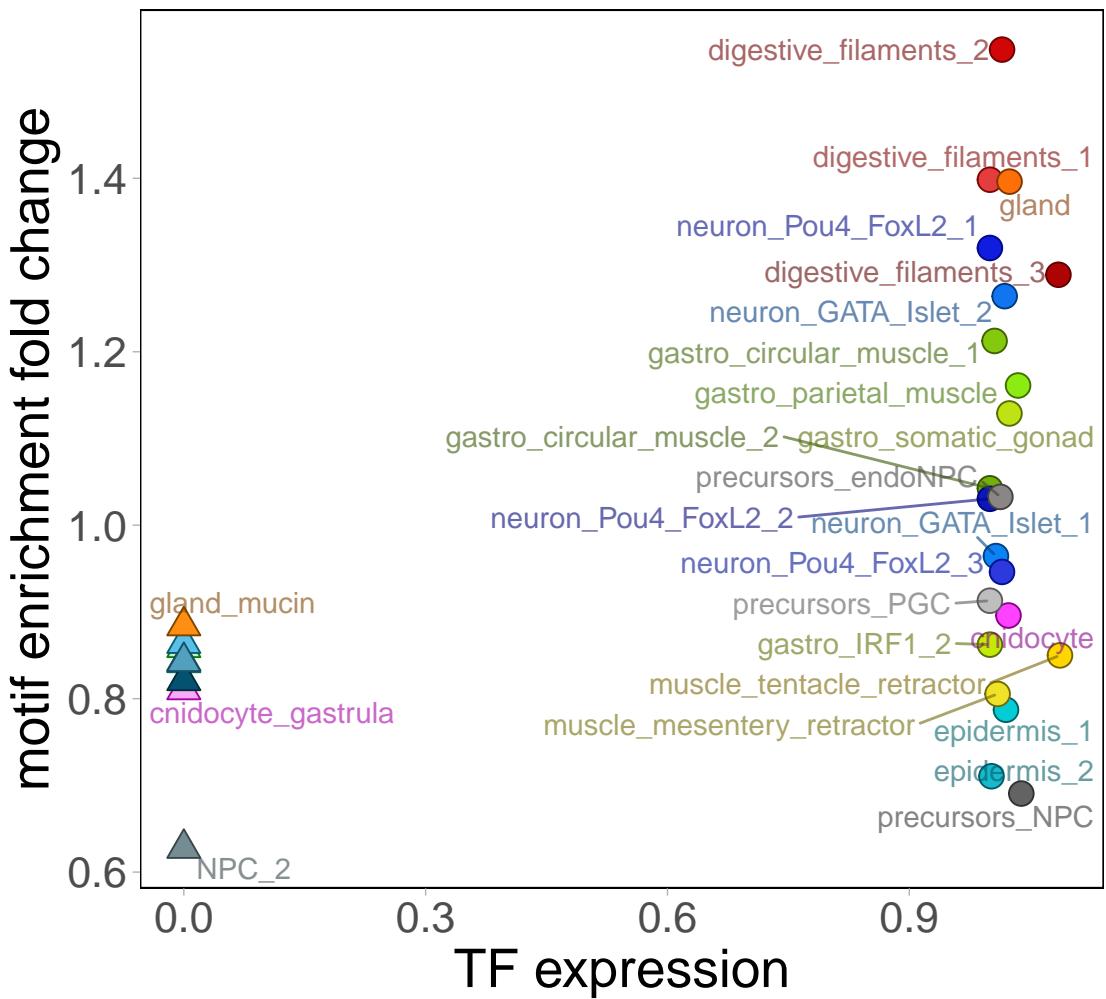
Nvec\_vc1.1\_XM\_032365212.2  
OG: Homeodomains.HG2.3:like:AC0252  
PFAM: Homeodomain  
motif: ARCH1336\_Alx3/AIx4/AIx1\_Bar...  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 9  
gene expression correlation: 0.2289  
gene score correlation: 0.4457



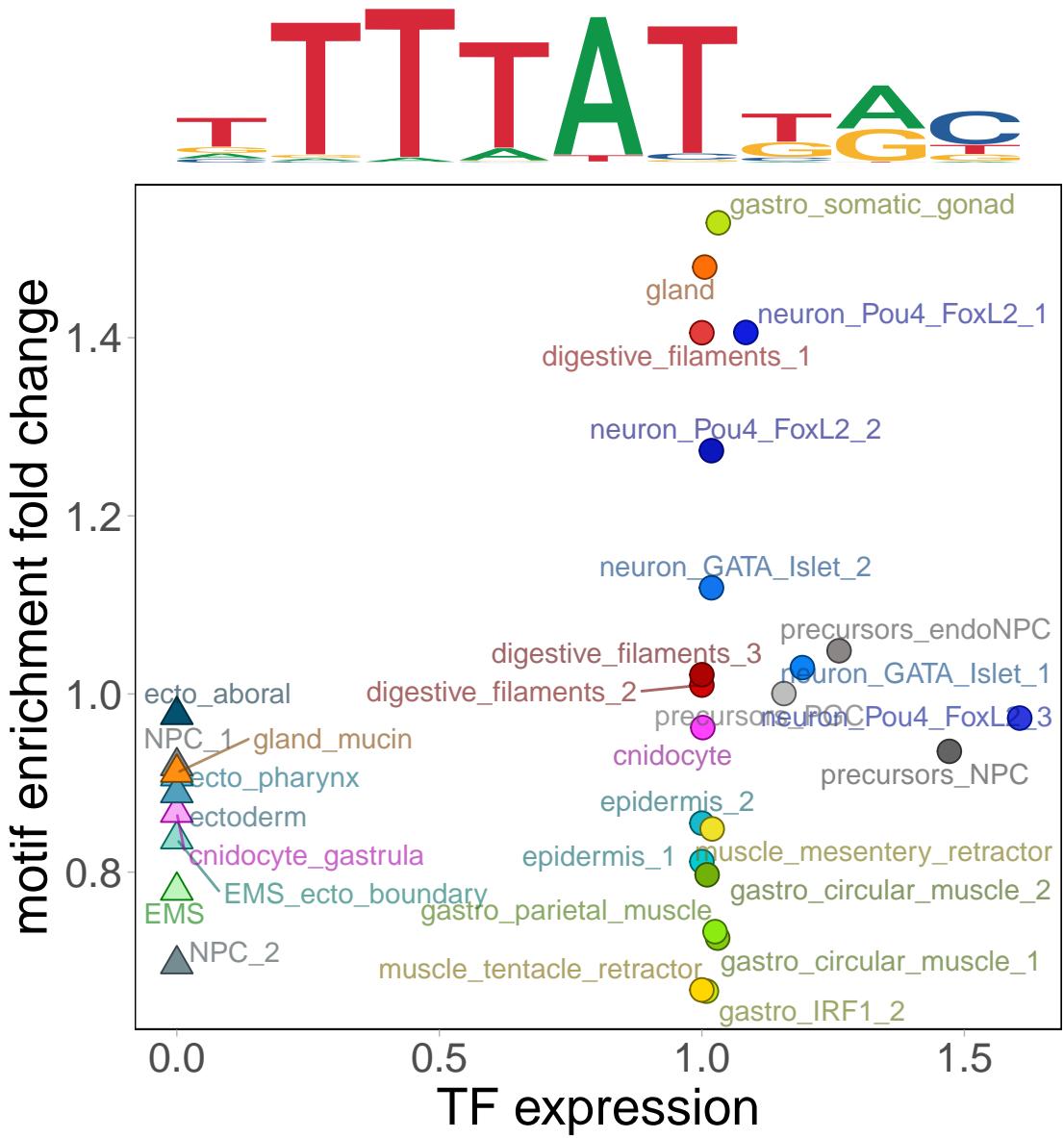
Nvec\_vc1.1\_XM\_032365977.2  
OG: zf-C2H2.HG1.33:like:AC008758.1/  
PFAM: zf-C2H2  
motif: ARCH909\_Egr3/Egr1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 1  
gene expression correlation: 0.3321  
gene score correlation: 0.5577



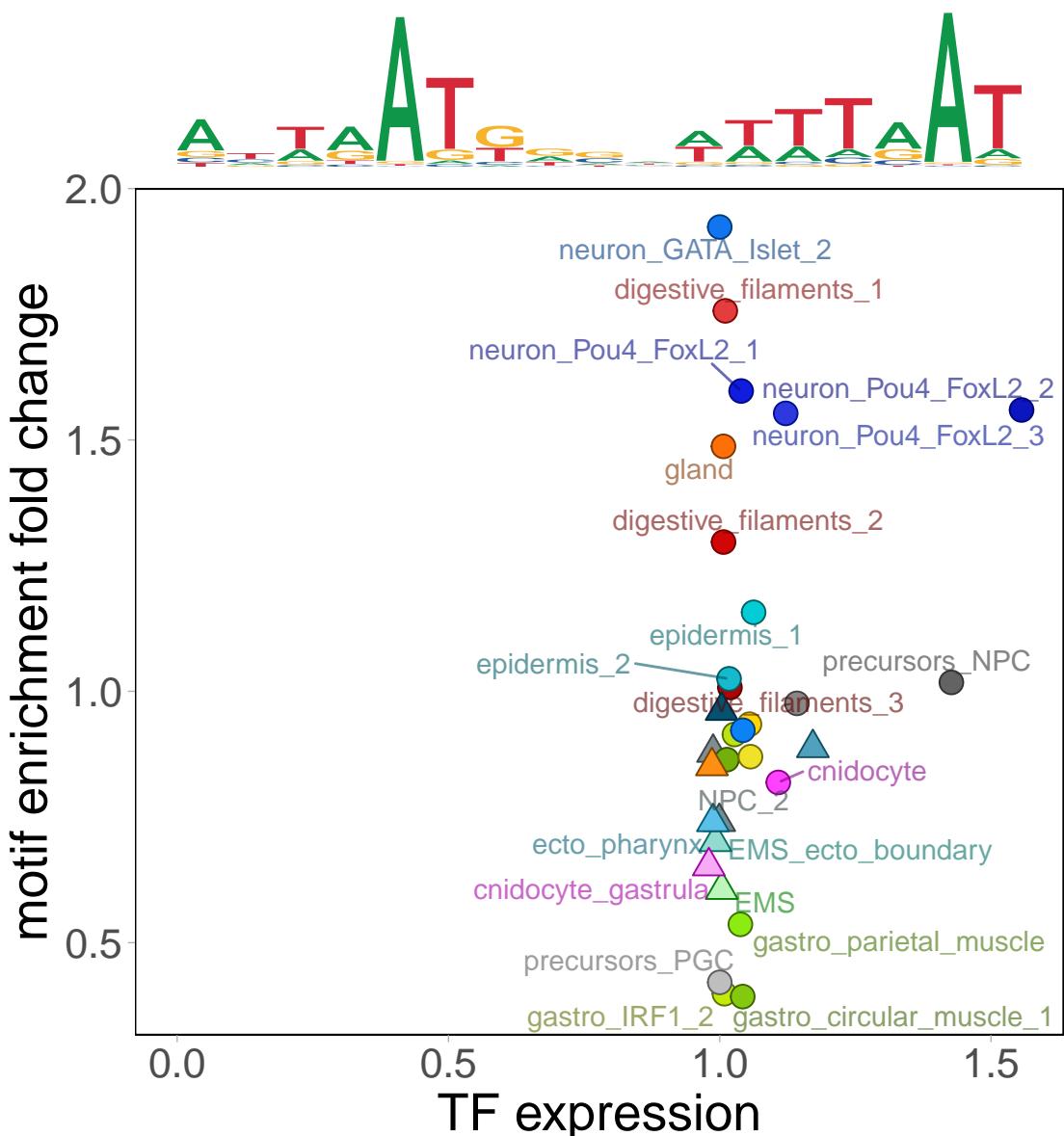
Nvec\_vc1.1\_XM\_032366030.2  
OG: HLH.HG1.5:like:CCDC169-SOHLH  
PFAM: HLH  
motif: ARCH1068\_bHLH122  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 116  
gene expression correlation: 0.4664  
gene score correlation: 0.1351



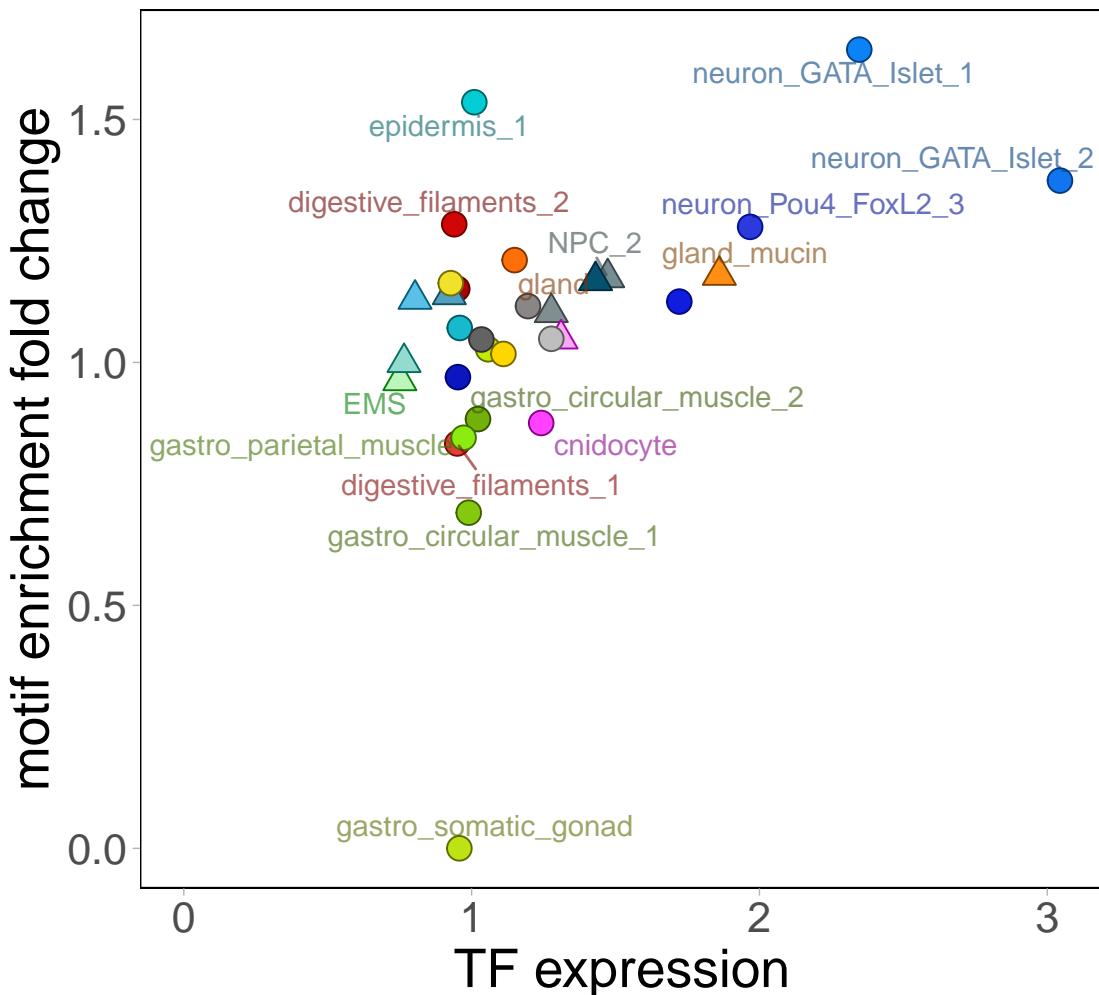
Nvec\_vc1.1\_XM\_032366085.2  
OG: Homeodomains.HG1.44:EMX1/EM  
PFAM: Homeodomain  
motif: ARCH33\_Hoxa1/Hoxb1/Hoxd1  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 13  
gene expression correlation: 0.2804  
gene score correlation: 0.0980



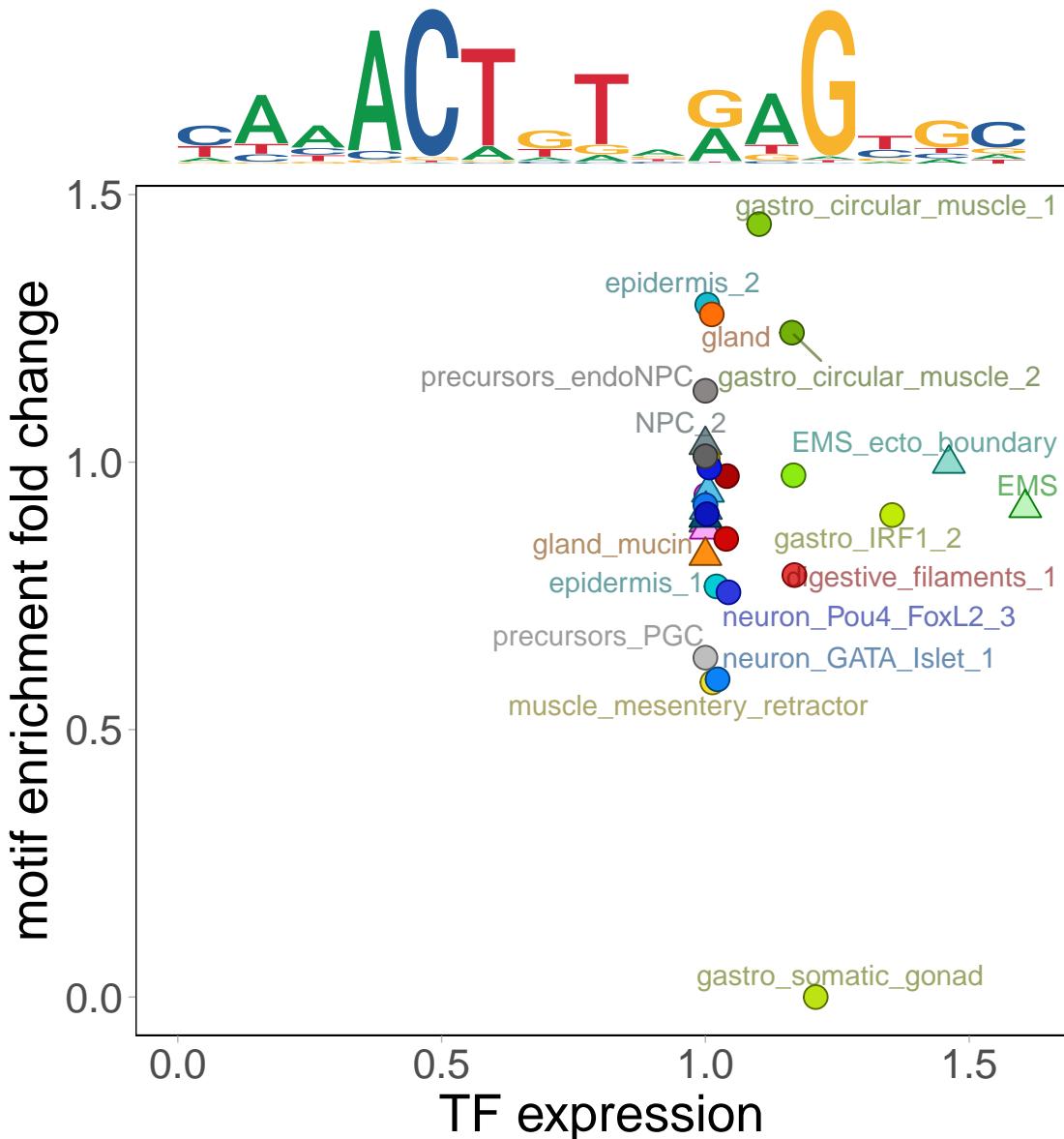
Nvec\_vc1.1\_XM\_032366210.2  
OG: Homeodomains.HG1.48:MSX1/MS  
PFAM: Homeodomain  
motif: ARCH48\_HIx  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 226  
gene expression correlation: 0.2520  
gene score correlation: 0.1006



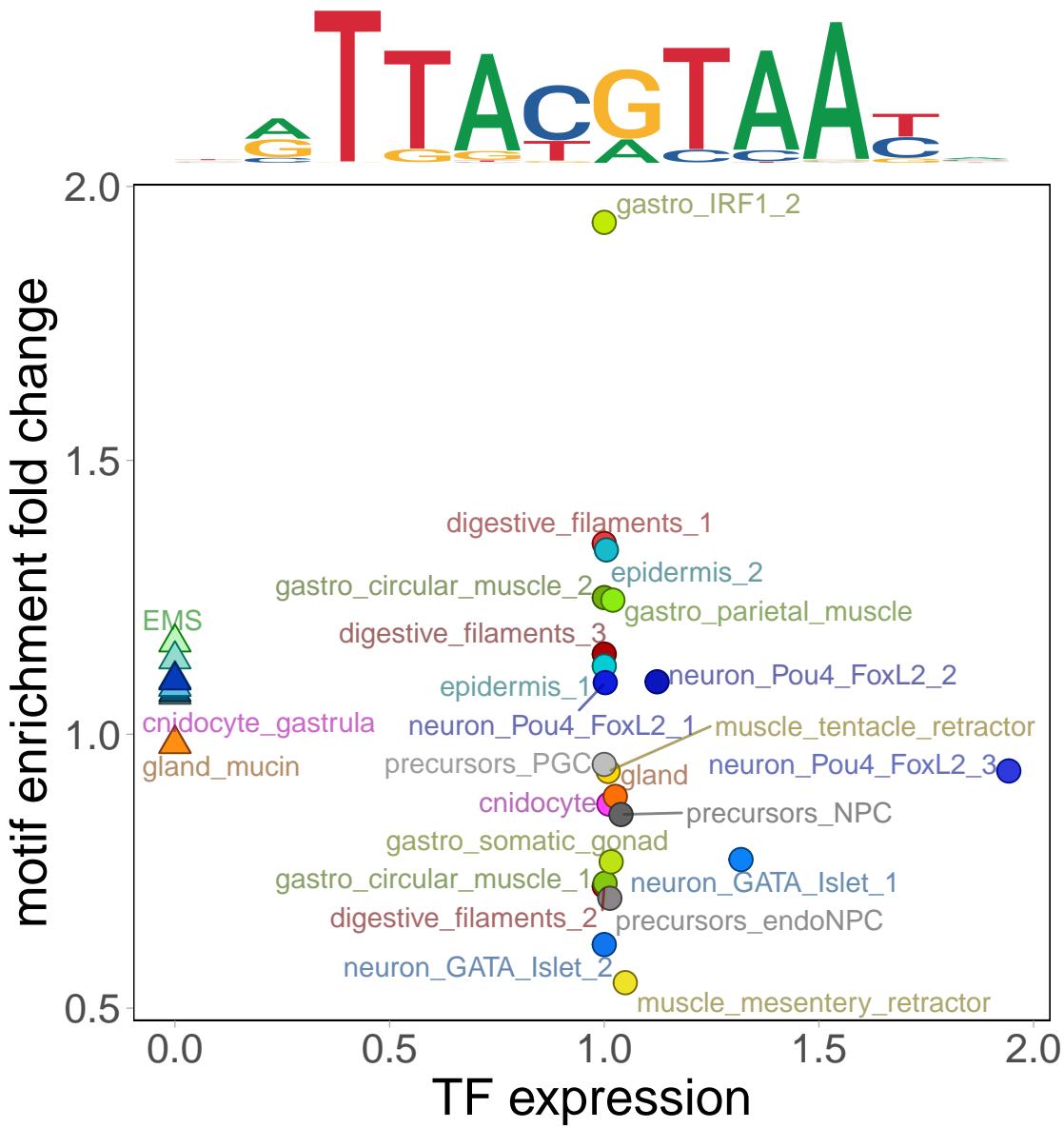
Nvec\_vc1.1\_XM\_032366211.2  
OG: Homeodomains.HG1.34:HMX1/HM  
PFAM: Homeodomain  
motif: ARCH1316\_Hoxa1/Hoxb1/Hoxd1  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 9  
gene expression correlation: 0.4553  
gene score correlation: 0.2941



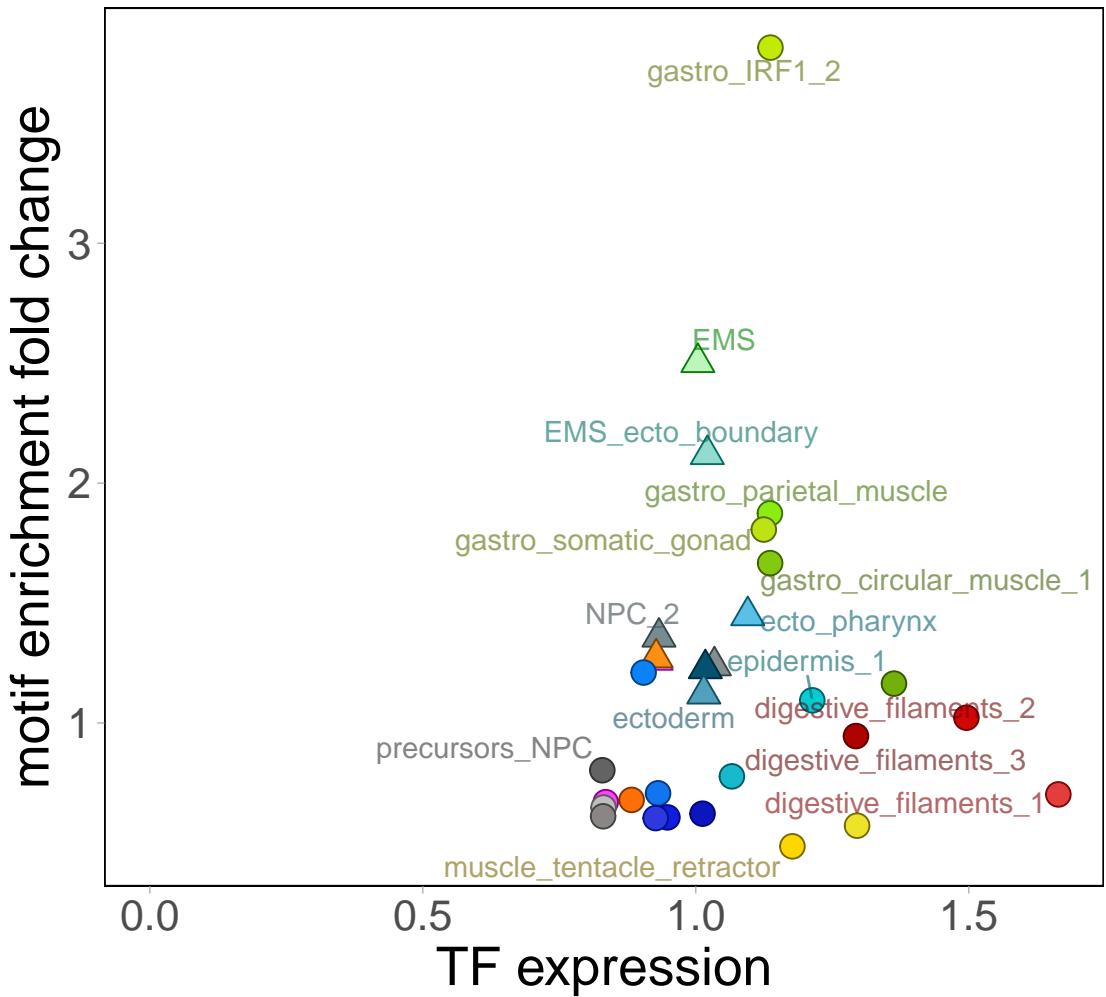
Nvec\_vc1.1\_XM\_032366225.2  
OG: zf-C2H2.HG2.5:KLF15  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH1370\_M05856\_2.00  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 295  
gene expression correlation: -0.0619  
gene score correlation: -0.1691



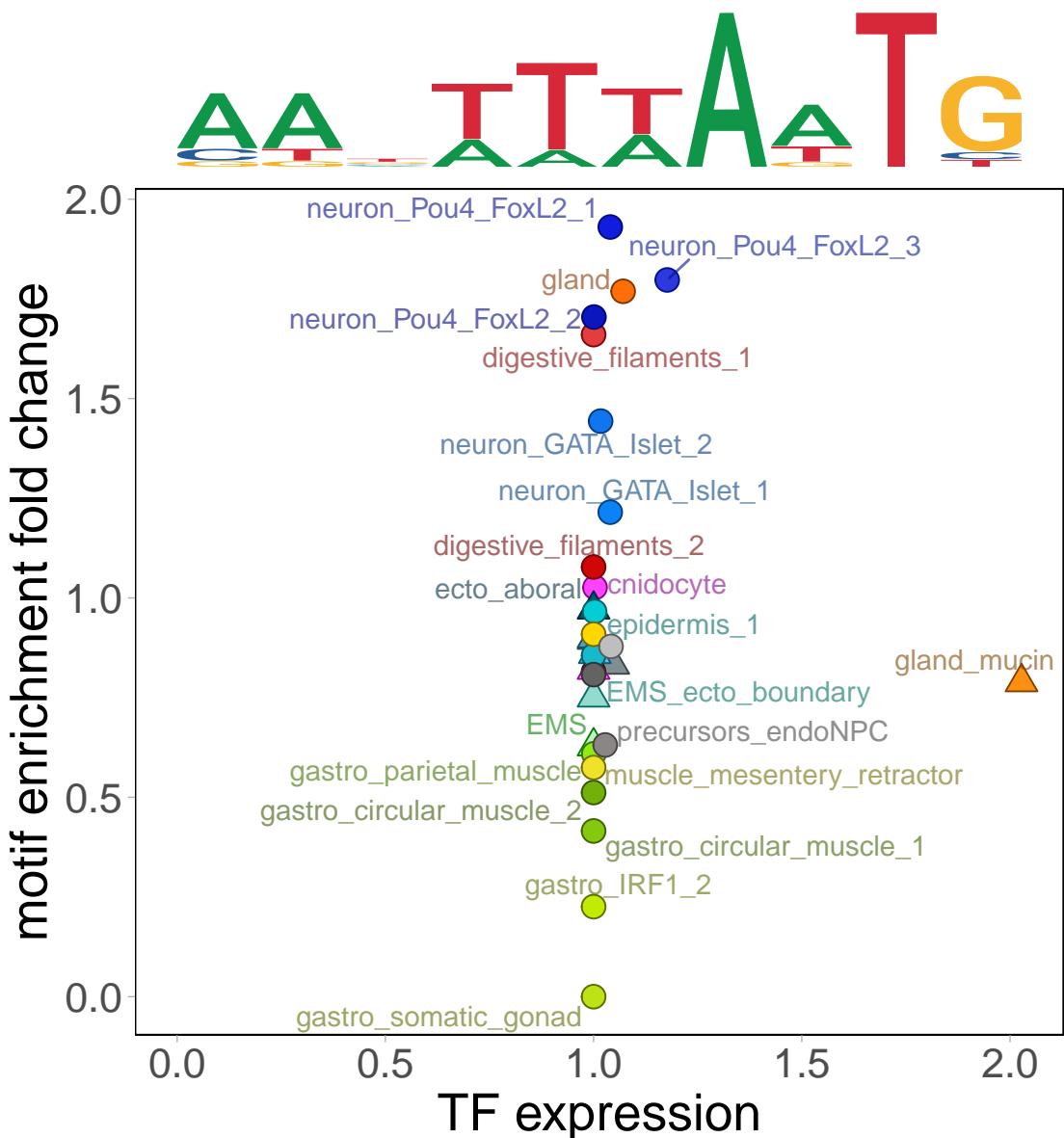
Nvec\_vc1.1\_XM\_032366242.2  
OG: bZIP.HG2.12:like:DBP/HLF/TEF  
PFAM: bZIP\_2  
motif: M03653\_2.00  
TF family: bZIP  
archetype family: bZIP  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.1805  
gene score correlation: -0.4243



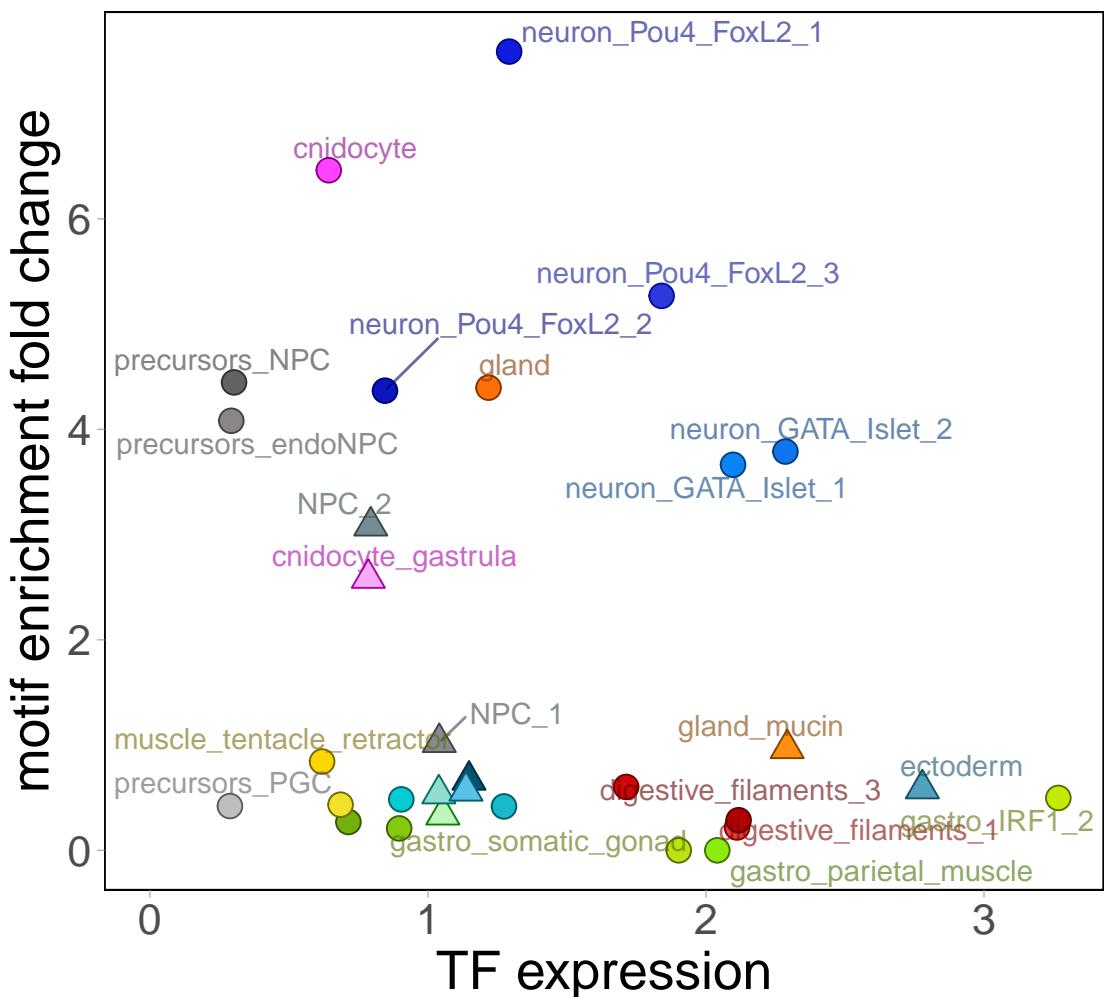
Nvec\_vc1.1\_XM\_032366602.2  
OG: Ets.HG1.11:EHF/ELF3/ELF5  
PFAM: SAM\_PNT/Ets  
motif: ARCH584\_Elf3/Ehf/Elf5\_Erg/F...  
TF family: Ets  
archetype family: Ets  
CisBP assigned: TRUE  
rank: 223  
gene expression correlation: 0.0707  
gene score correlation: 0.3463



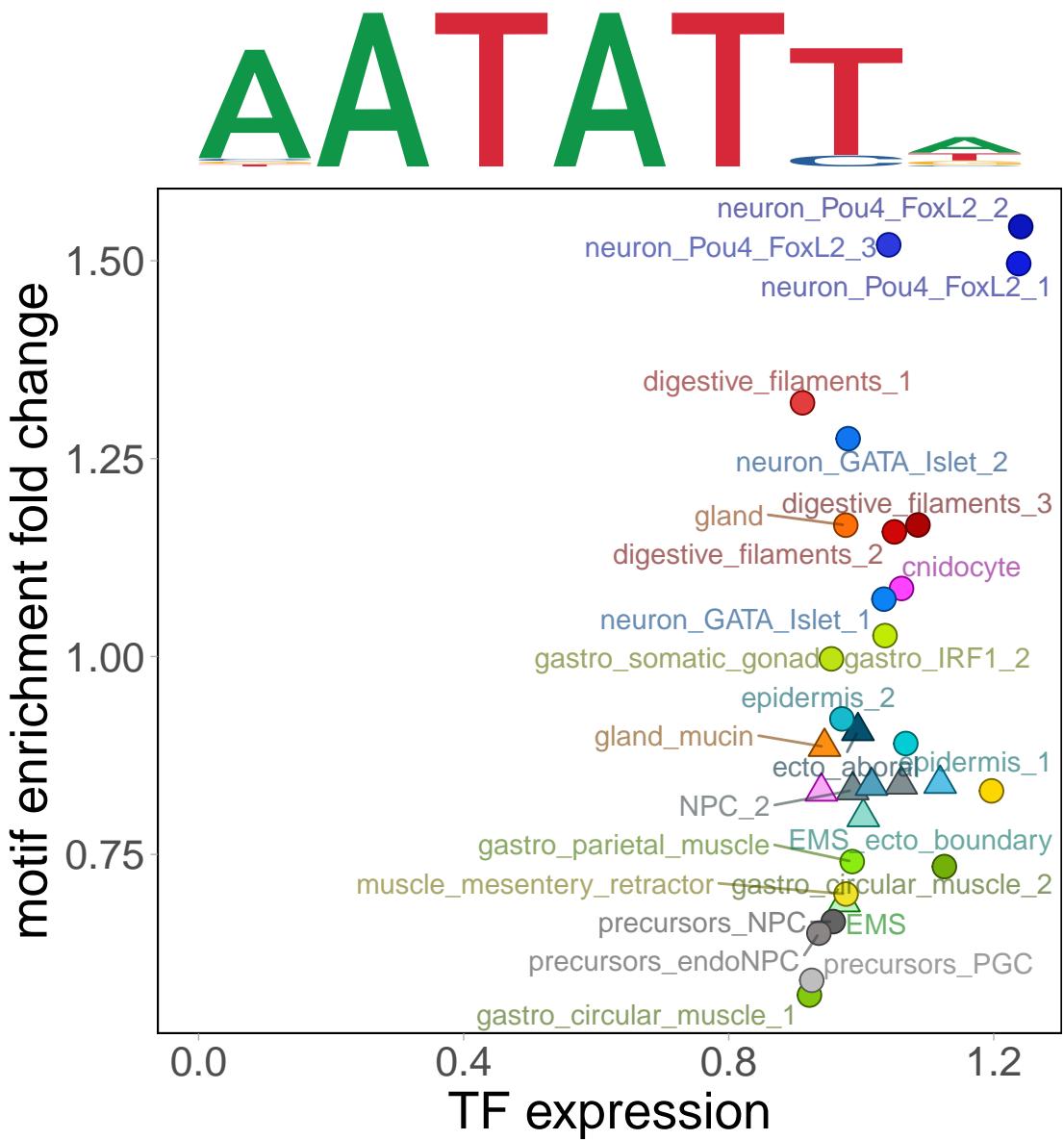
Nvec\_vc1.1\_XM\_032366609.2  
OG: Homeodomains.HG1.49:like:NOTO  
PFAM: Homeodomain  
motif: ARCH52\_Alx3/Alx4/Alx1\_Barx2...  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: TRUE  
rank: 31  
gene expression correlation: 0.0363  
gene score correlation: 0.2765



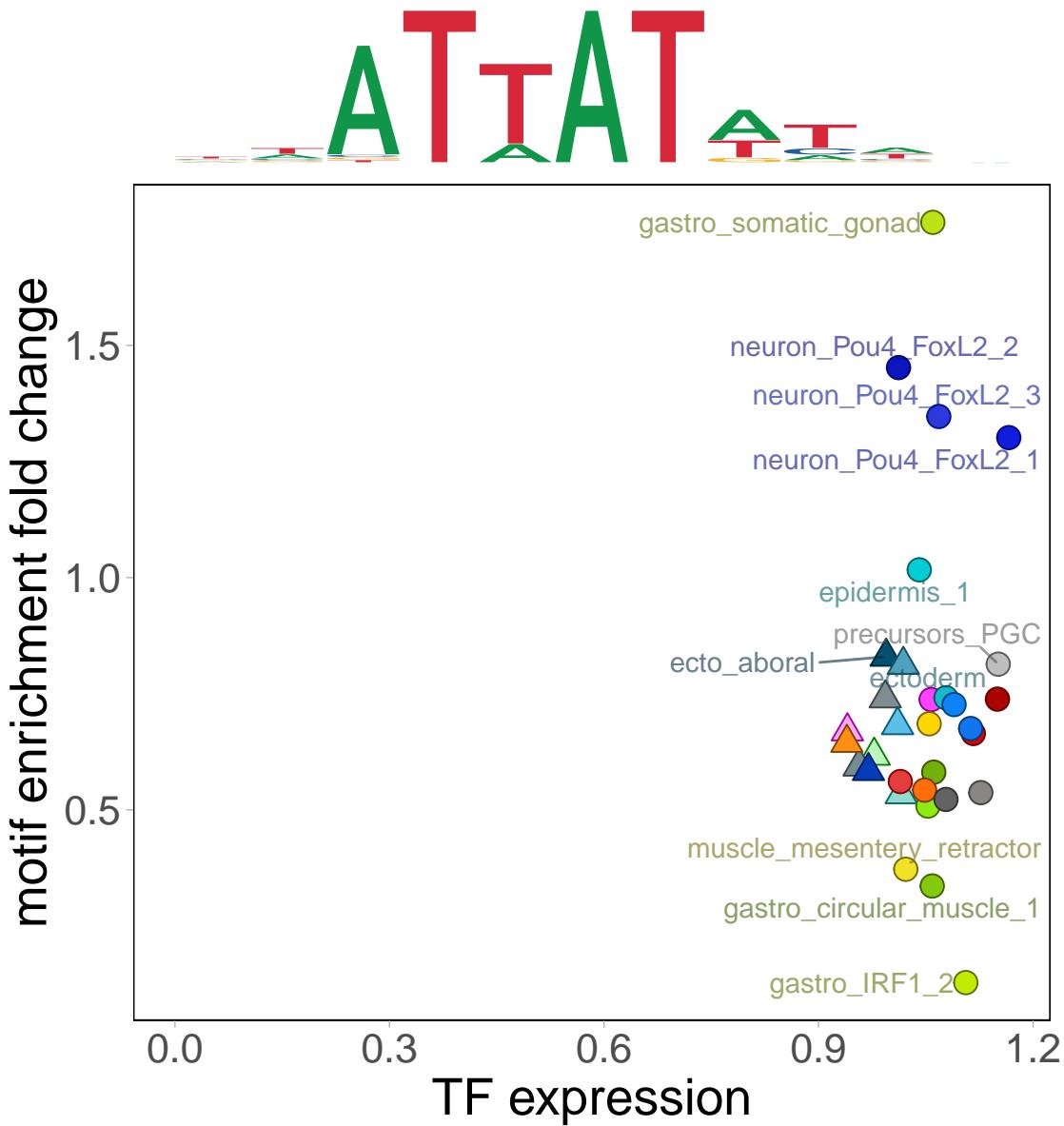
Nvec\_vc1.1\_XM\_032366627.2  
OG: zf-C2H2.HG1.44:EGR1/EGR2/EG  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH530\_Snai2  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 35  
gene expression correlation: -0.1968  
gene score correlation: 0.4507



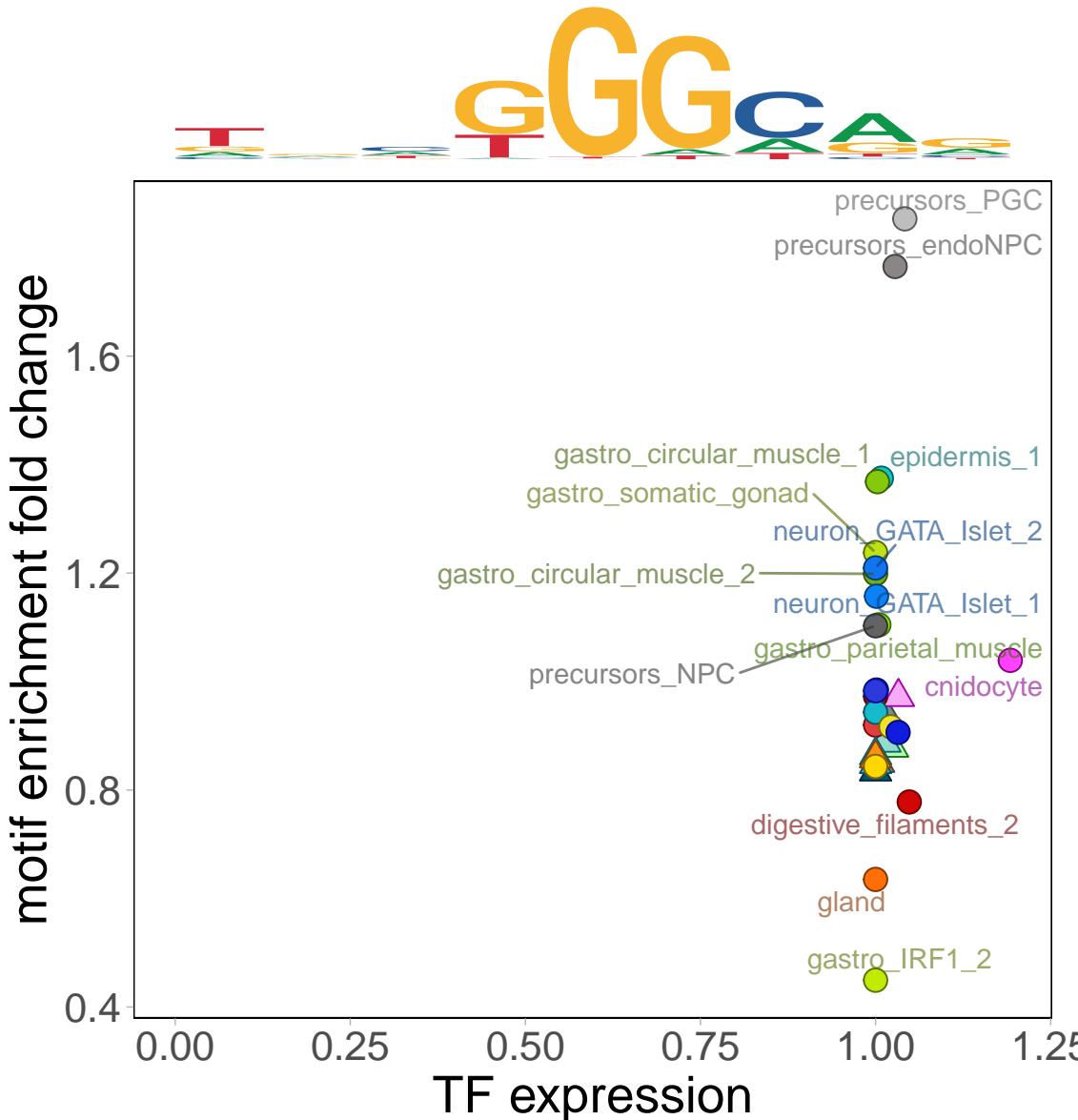
Nvec\_vc1.1\_XM\_032366646.2  
OG: ARID\_BRIGHT.HG1.5:ARID5A/AR  
PFAM: ARID  
motif: ARCH1088\_Arid5b/Arid5a  
TF family: ARID\_BRIGHT  
archetype family: ARID\_BRIGHT  
CisBP assigned: TRUE  
rank: 59  
gene expression correlation: 0.4672  
gene score correlation: 0.3369



Nvec\_vc1.1\_XM\_032366739.2  
OG: HMGbox\_Sox.HG1.65:HMGB20B  
PFAM: HMG\_box  
motif: M02487\_2.00  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.1038  
gene score correlation: -0.1565



Nvec\_vc1.1\_XM\_032366790.2  
OG: THAP\_finger.HG1.0:AC073612.1/T  
PFAM: THAP  
motif: ARCH525\_M08176\_2.00  
TF family: THAP\_finger  
archetype family: THAP\_finger  
CisBP assigned: FALSE  
rank: 1099  
gene expression correlation: 0.1201  
gene score correlation: -0.2536



Nvec\_vc1.1\_XM\_032366797.2

OG: Myb.HG1.23:TERB1/TERF2

PFAM: Myb\_DNA-binding

motif: ARCH193\_MYB116

TF family: Myb

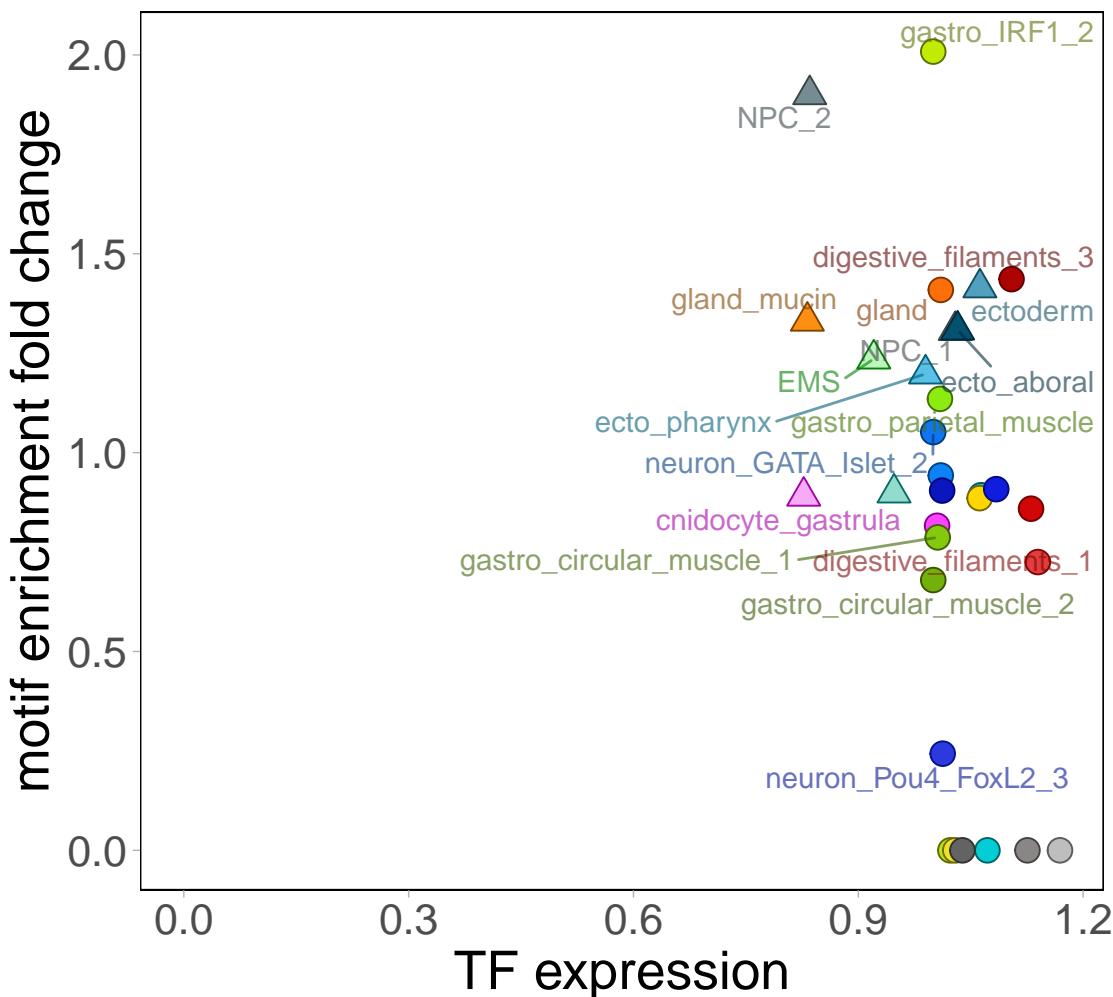
archetype family: Myb

CisBP assigned: FALSE

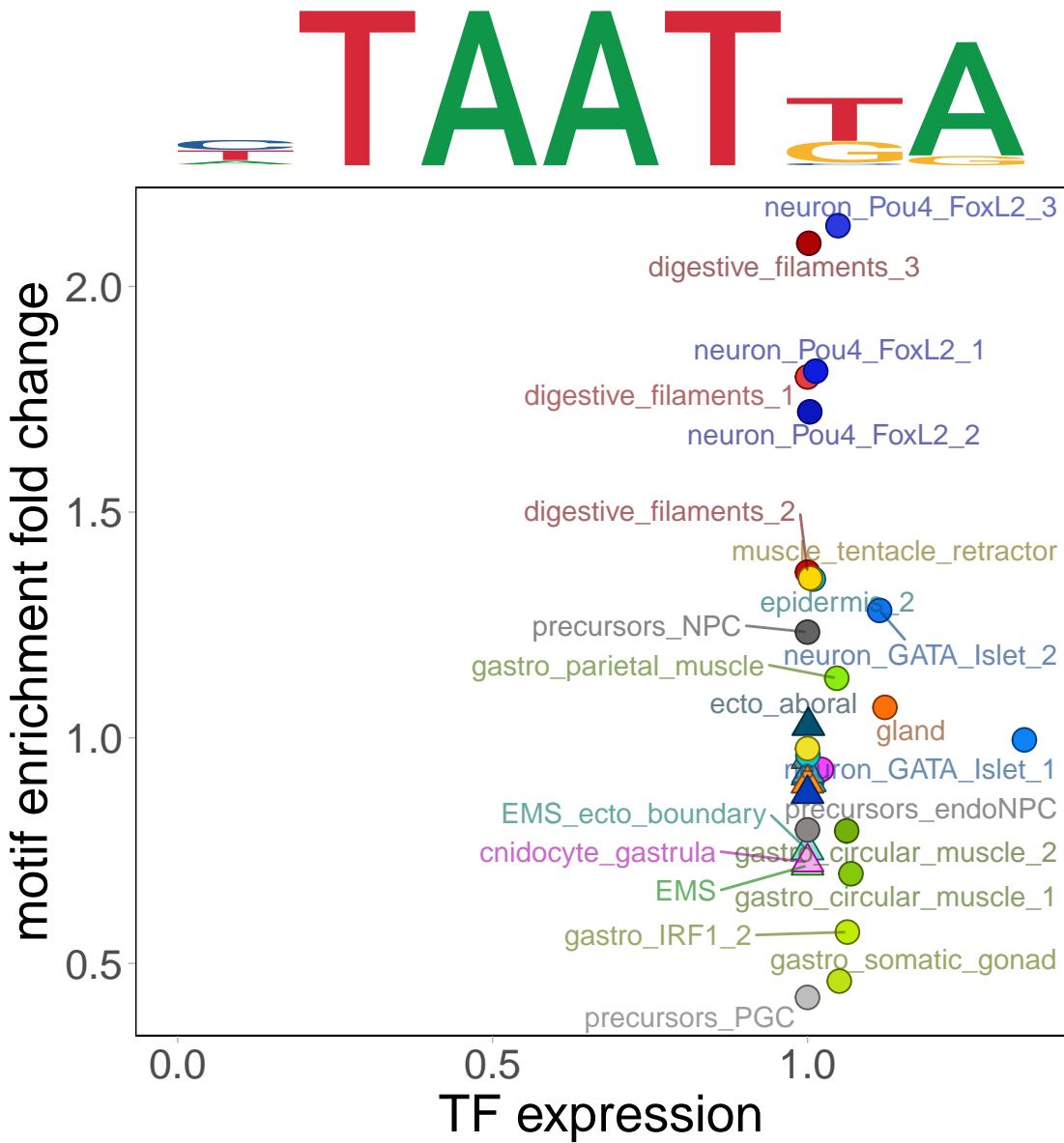
rank: 331

gene expression correlation: -0.4243

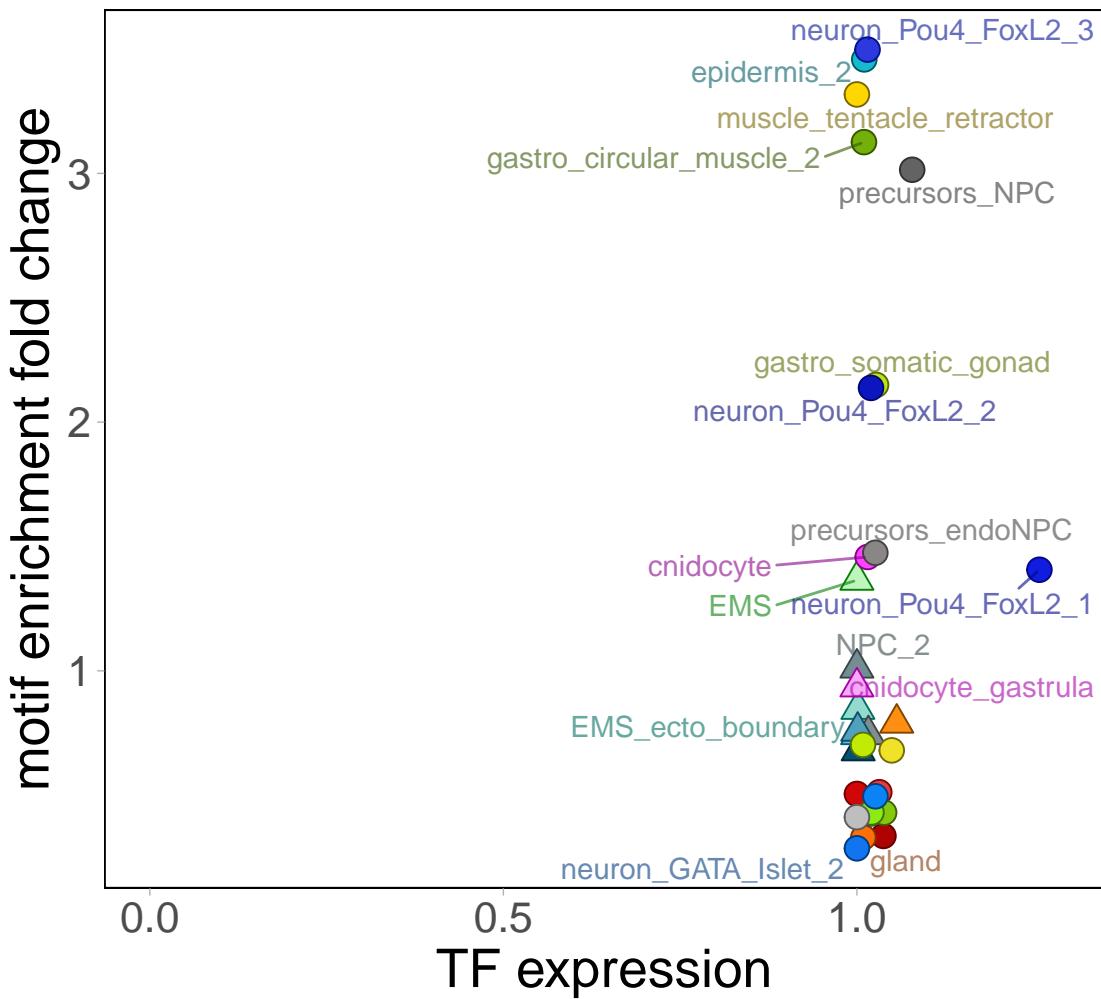
gene score correlation: -0.4177



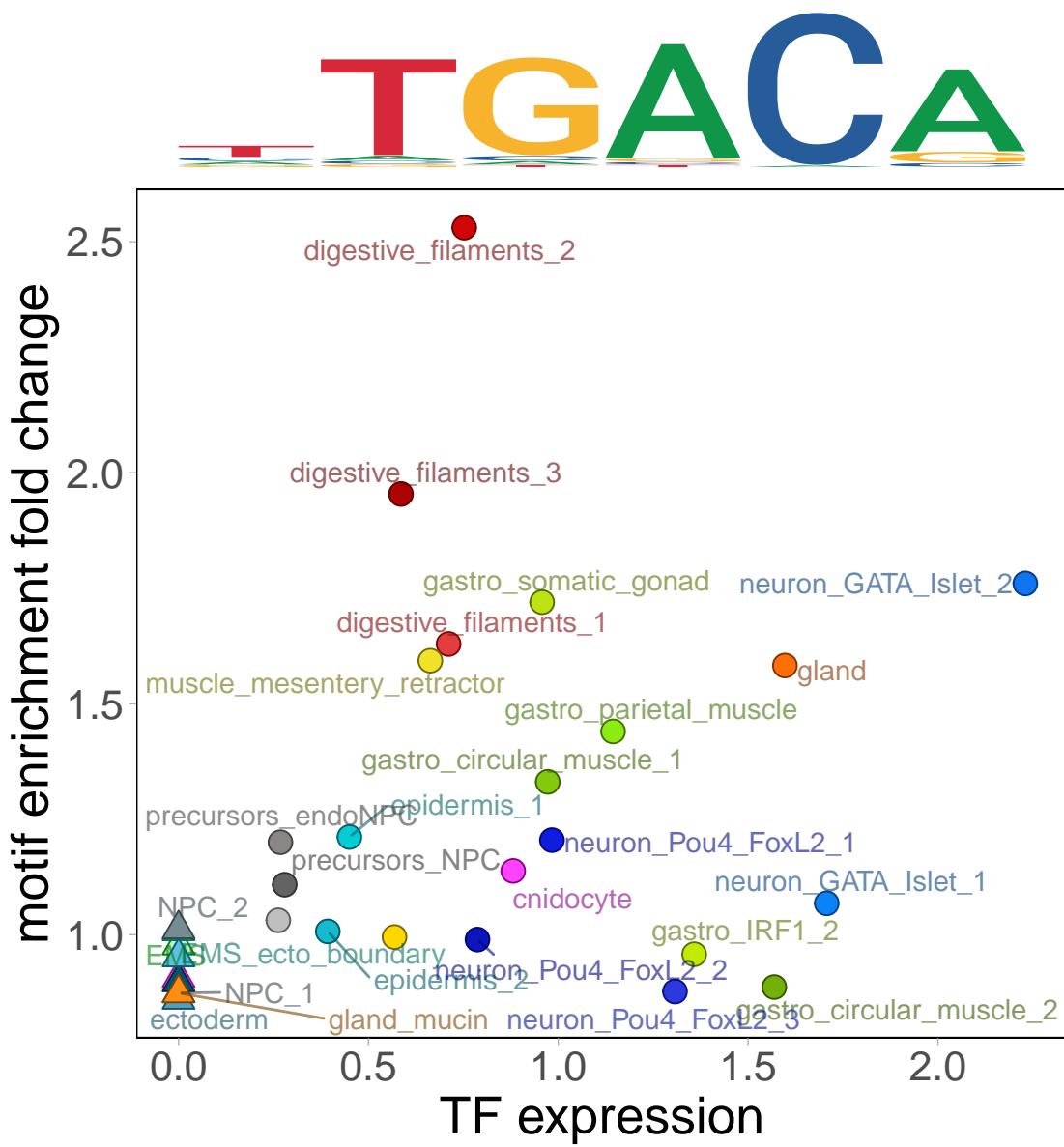
Nvec\_vc1.1\_XM\_032366836.2  
OG: Homeodomains.HG1.54:like:NOTO  
PFAM: Homeodomain  
motif: M06354\_2.00  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.0568  
gene score correlation: 0.0422



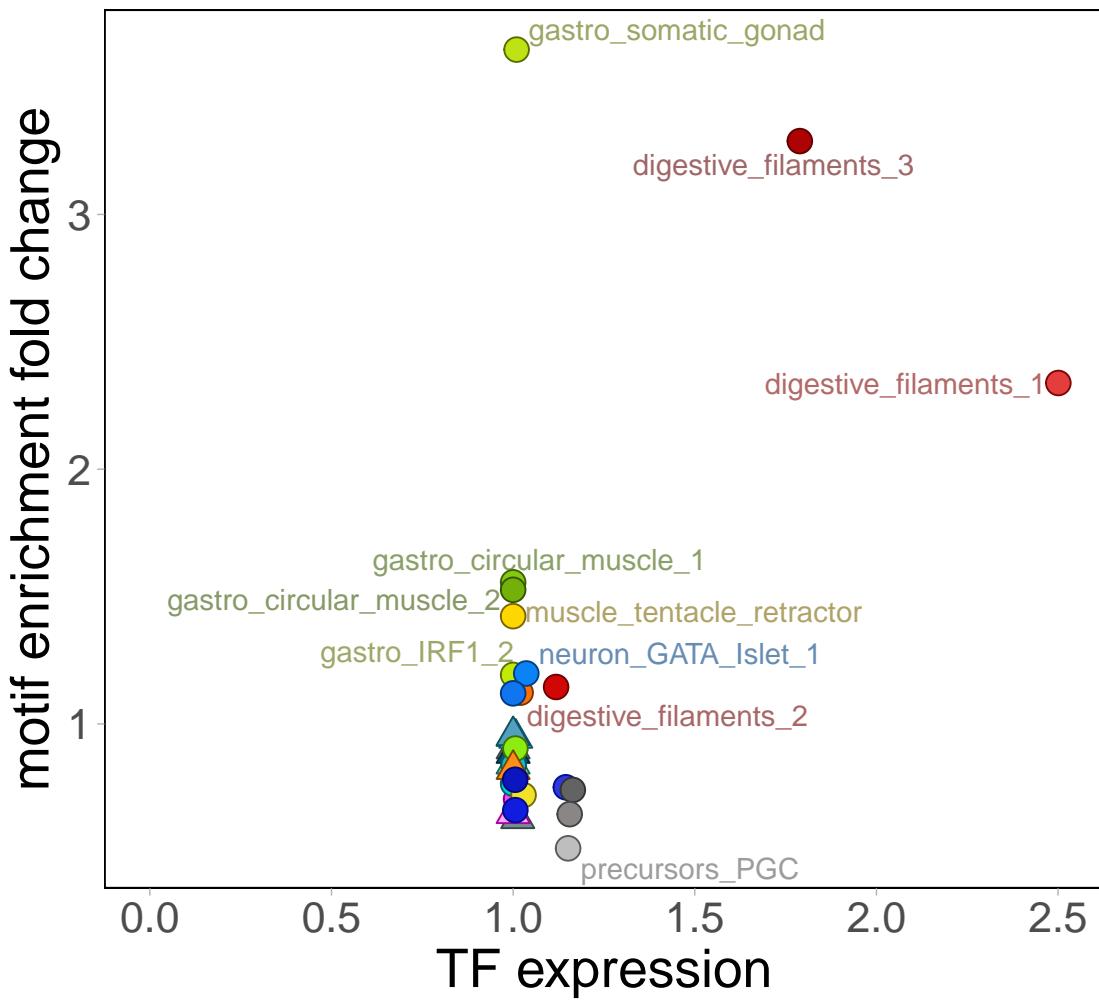
Nvec\_vc1.1\_XM\_032366964.2  
OG: zf-C2H2.HG1.35:FEZF1/FEZF2/G  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: ARCH353\_M06062\_2.00\_\_M064  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 1  
gene expression correlation: 0.0634  
gene score correlation: 0.6122



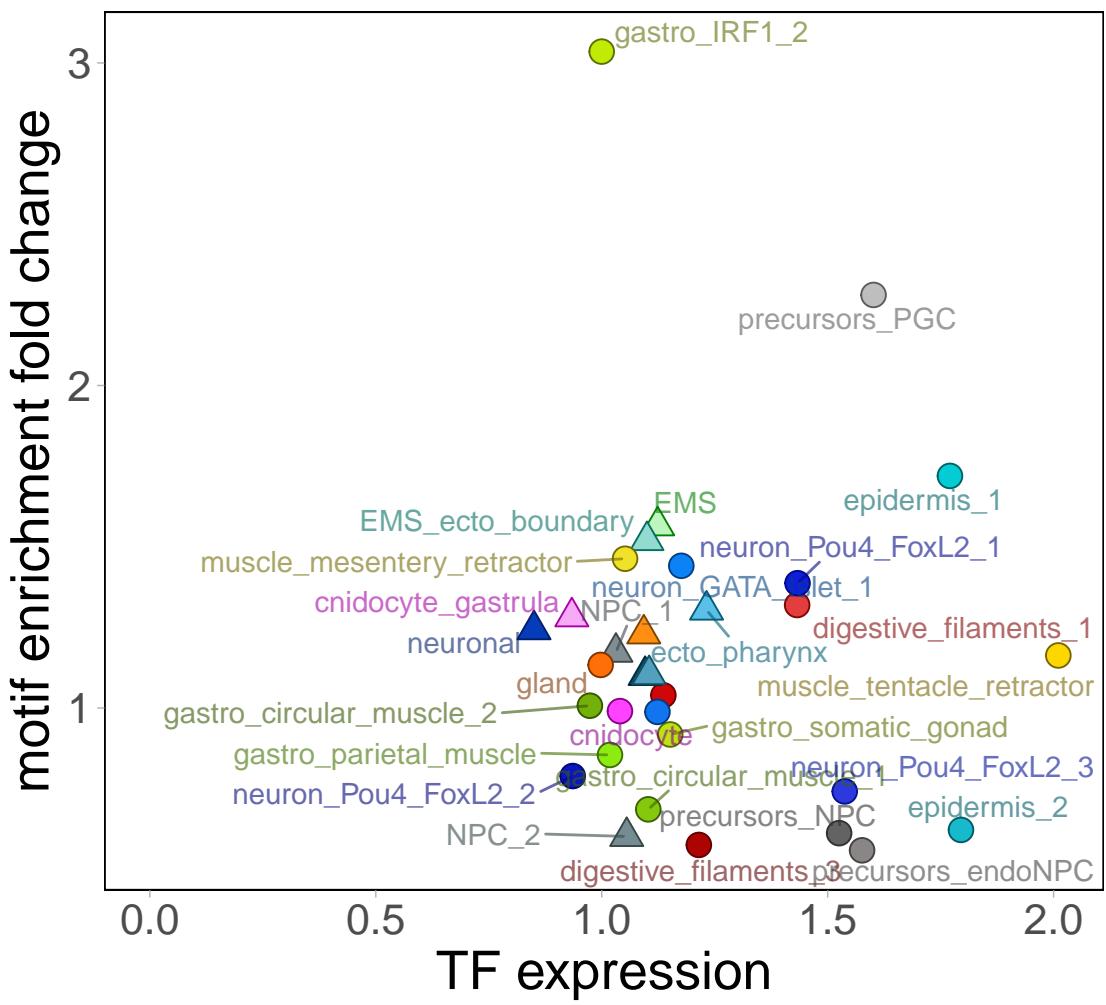
Nvec\_vc1.1\_XM\_032366979.2  
OG: Homeodomains.HG1.21:BARX1/B  
PFAM: Homeodomain  
motif: ARCH1546\_Meis3/Meis2/Meis1\_  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 14  
gene expression correlation: 0.3577  
gene score correlation: 0.7745



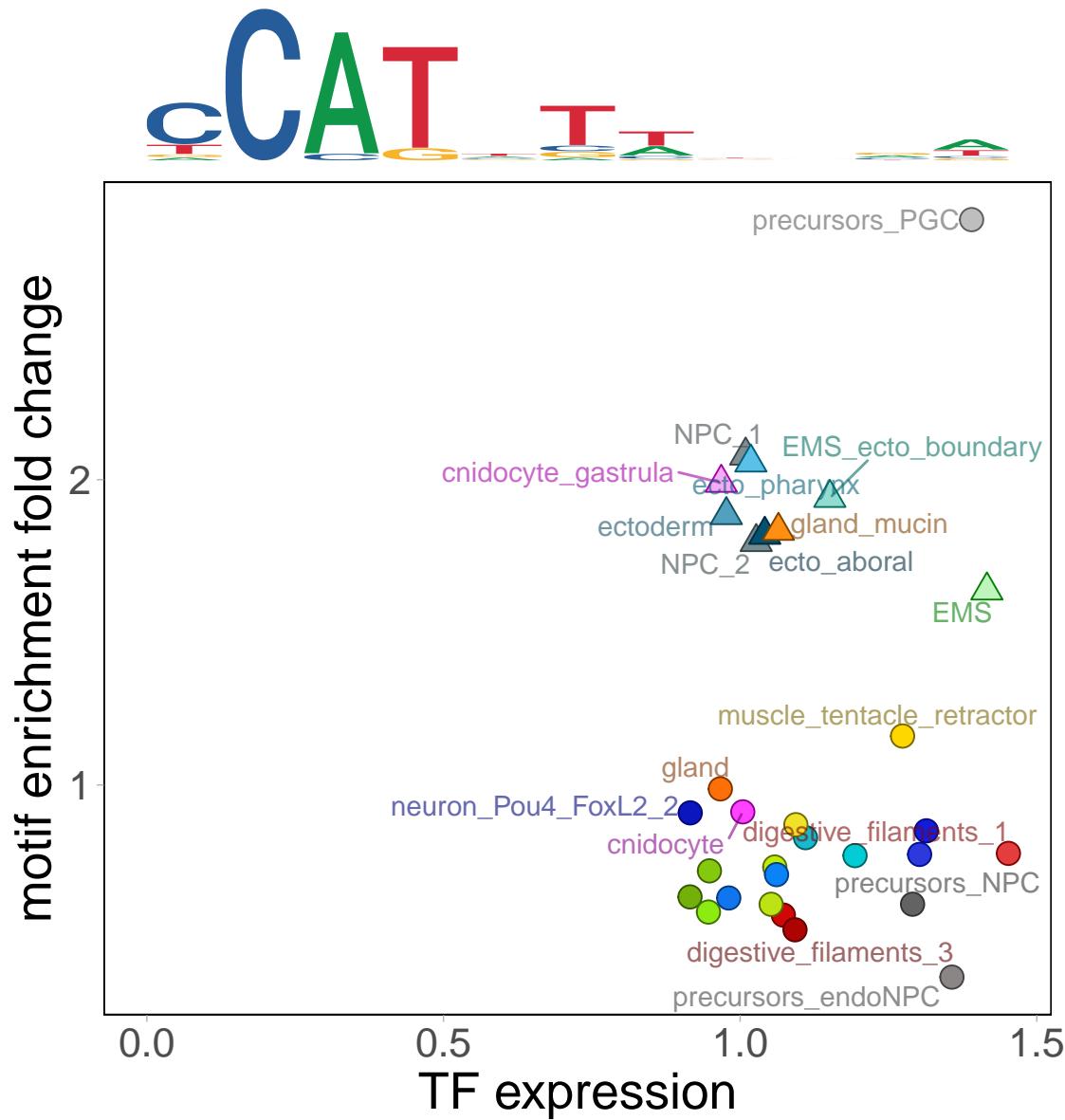
Nvec\_vc1.1\_XM\_032367023.2  
OG: Homeodomains.HG1.47:like:MSX1  
PFAM: Homeodomain  
motif: ARCH1437\_  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 2  
gene expression correlation: 0.4982  
gene score correlation: 0.5998



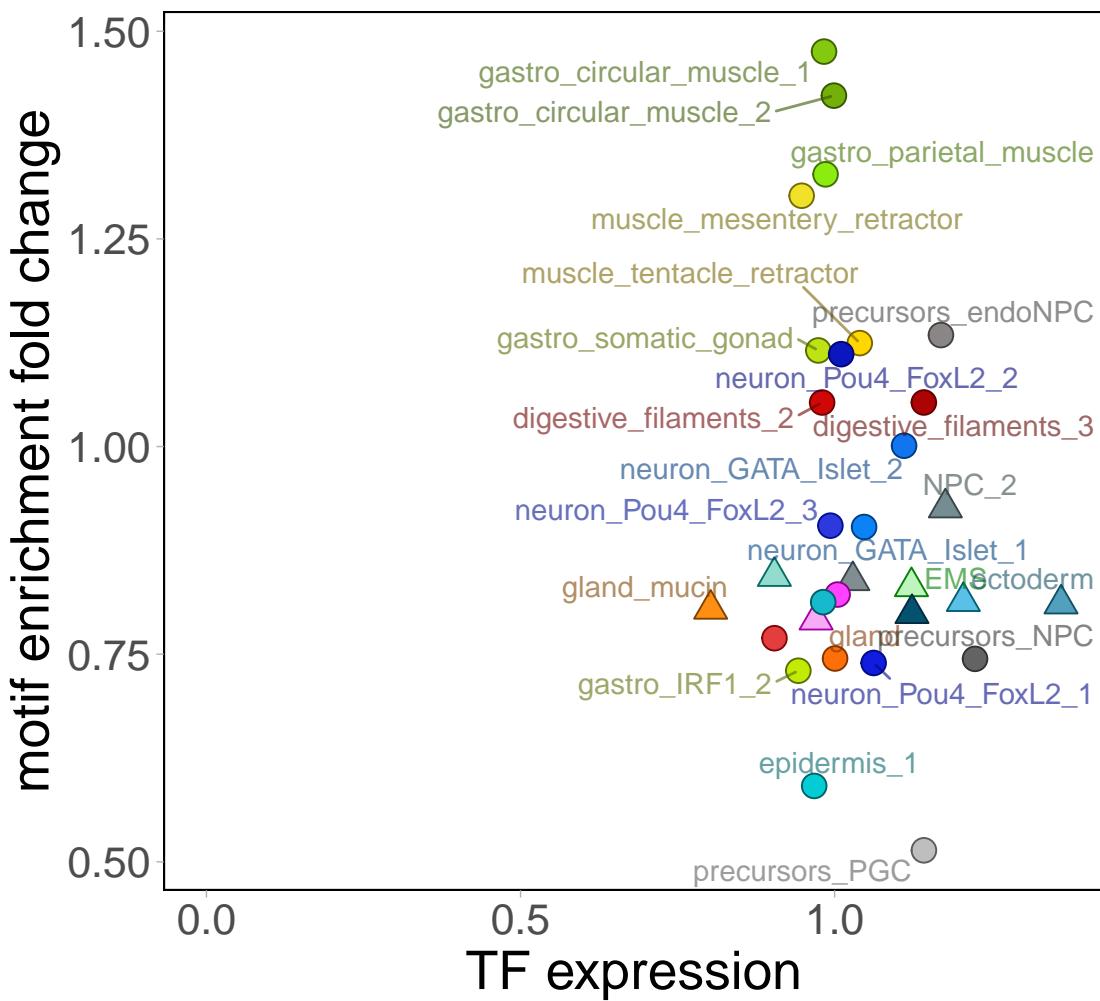
Nvec\_vc1.1\_XM\_032367127.2  
OG: bZIP.HG2.10:DBP/HLF/TEF  
PFAM: bZIP\_2  
motif: Nvec\_vc1.1\_XM\_032367127.2\_b  
TF family: bZIP  
archetype family: bZIP  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.0420  
gene score correlation: 0.2309



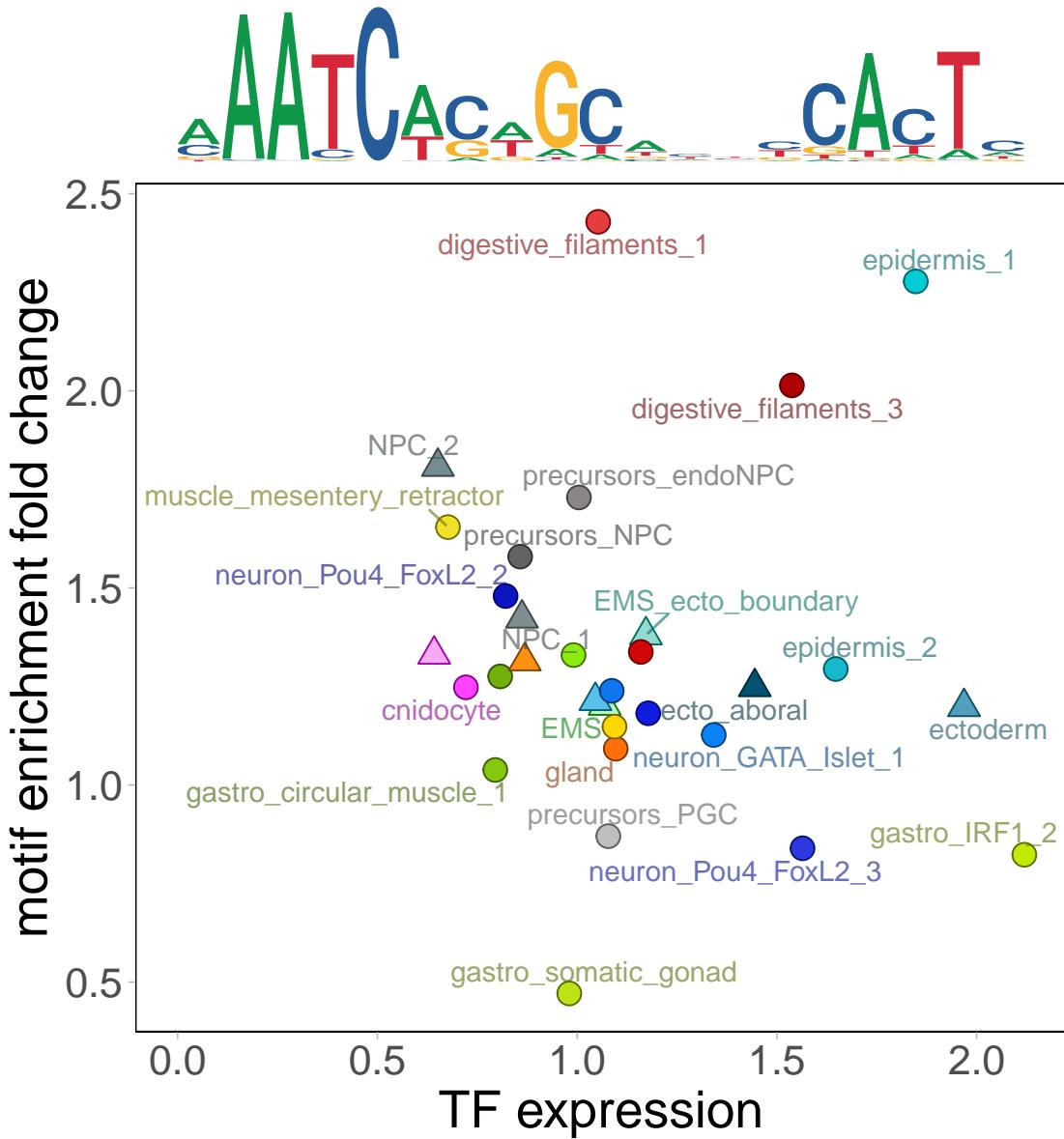
Nvec\_vc1.1\_XM\_032367197.2  
OG: zf-C2H2.HG18.0:ZNF277  
PFAM: zf-C2H2\_2/zf-C2H2\_2  
motif: ARCH1311\_Yy1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 7  
gene expression correlation: 0.0293  
gene score correlation: -0.1764



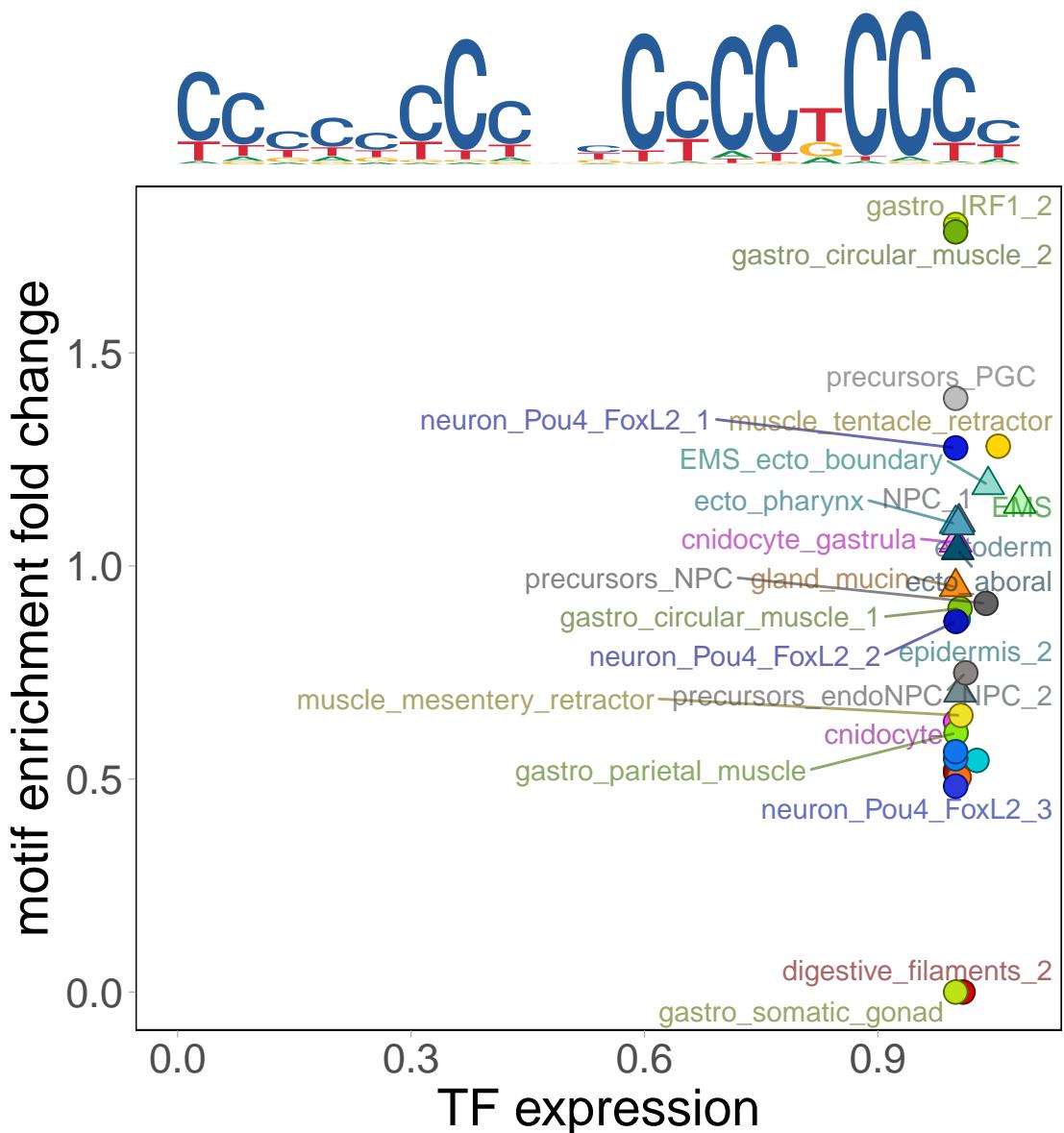
Nvec\_vc1.1\_XM\_032367750.2  
OG: Myb.HG1.10:RCOR1/RCOR2/RCC  
PFAM: Myb\_DNA-binding  
motif: ARCH1489\_0610010K14Rik  
TF family: Myb  
archetype family: Myb  
CisBP assigned: TRUE  
rank: 1691  
gene expression correlation: -0.1385  
gene score correlation: -0.3707



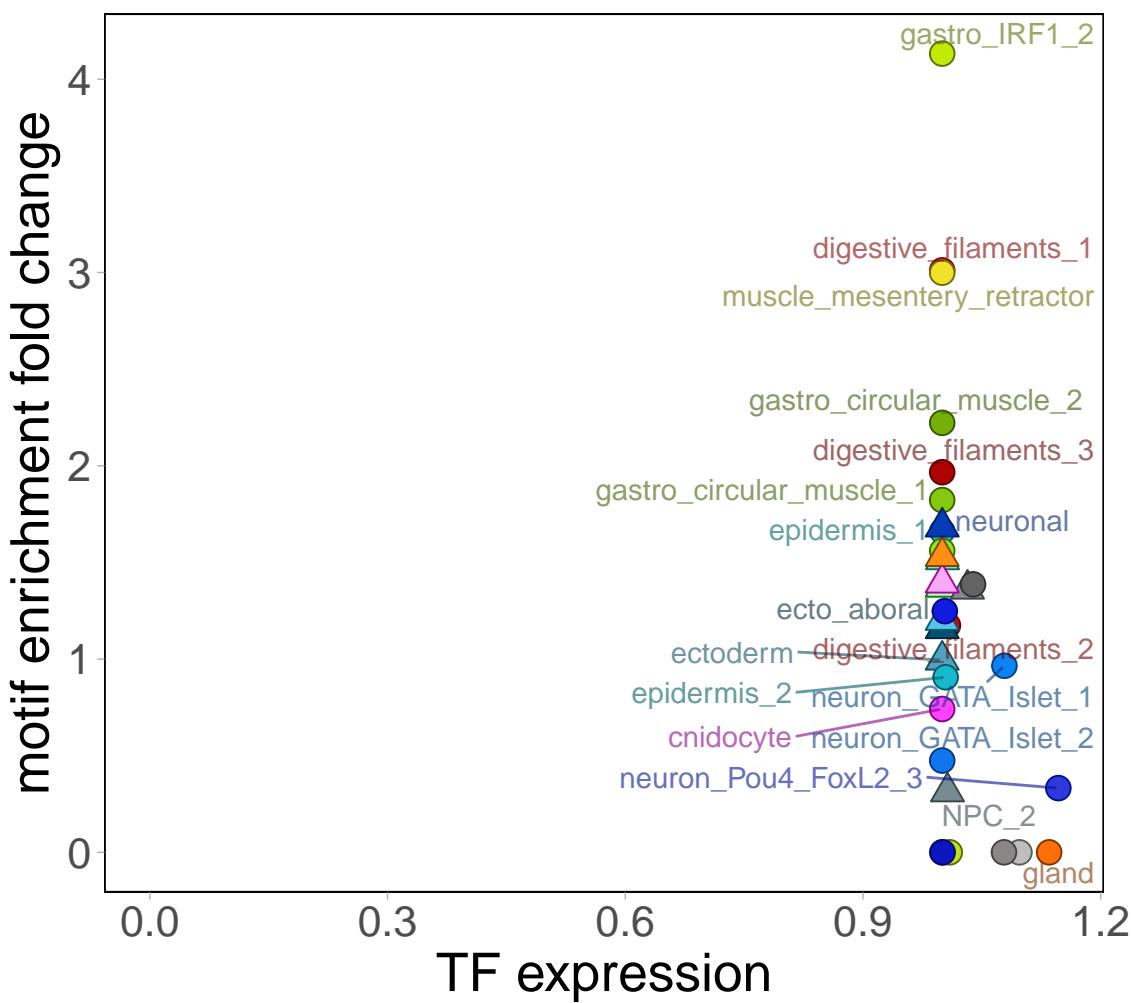
Nvec\_vc1.1\_XM\_032367802.2  
OG: zf-C2H2.HG2.9:like:KLF3/KLF5/KL  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH1345\_Gfi1b/Gfi1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 2  
gene expression correlation: -0.0576  
gene score correlation: 0.3448



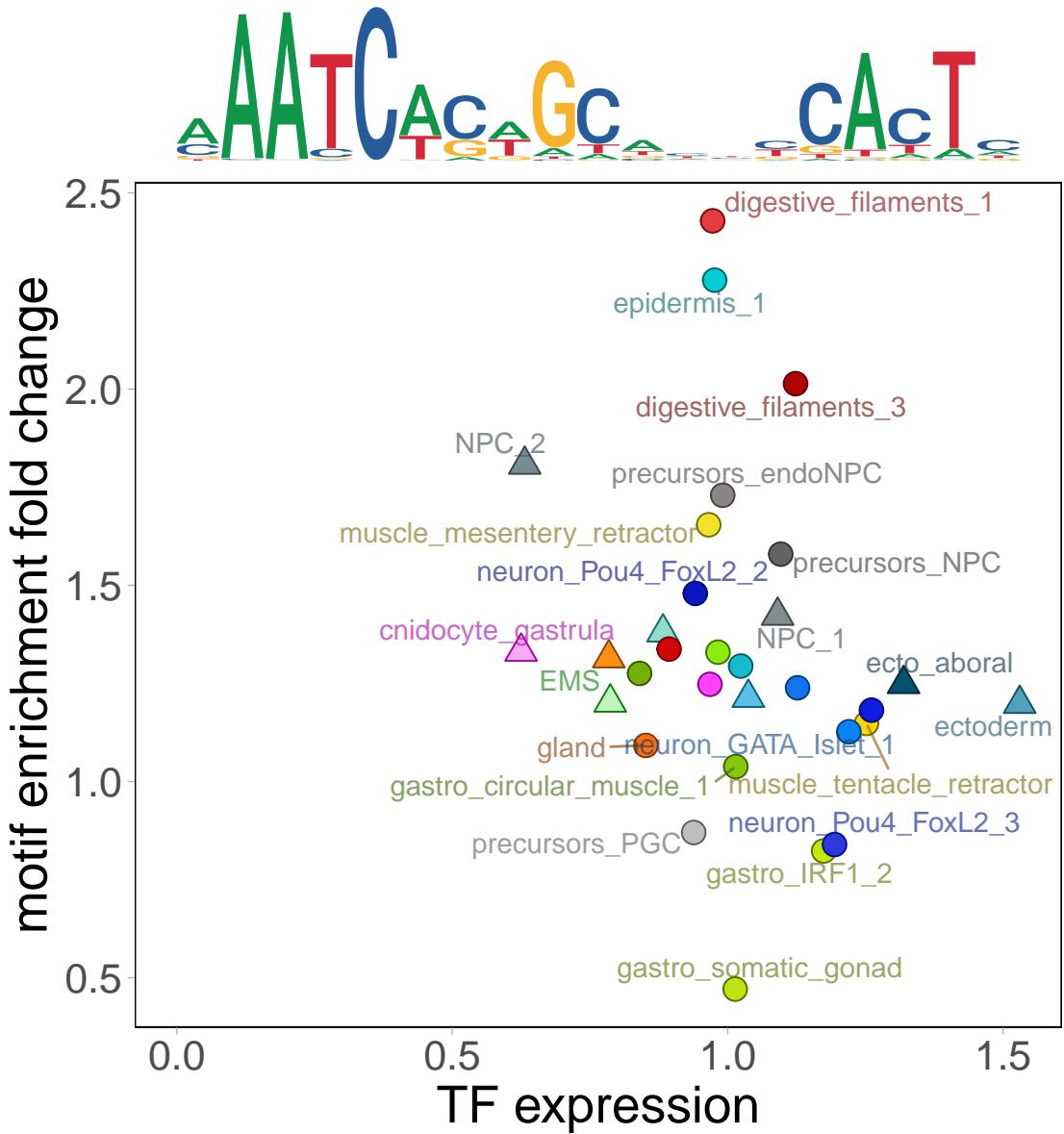
Nvec\_vc1.1\_XM\_032368799.2  
OG: zf-C2H2.HG1.130:ZBTB45  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH361\_Klf15  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 255  
gene expression correlation: 0.1702  
gene score correlation: 0.1303



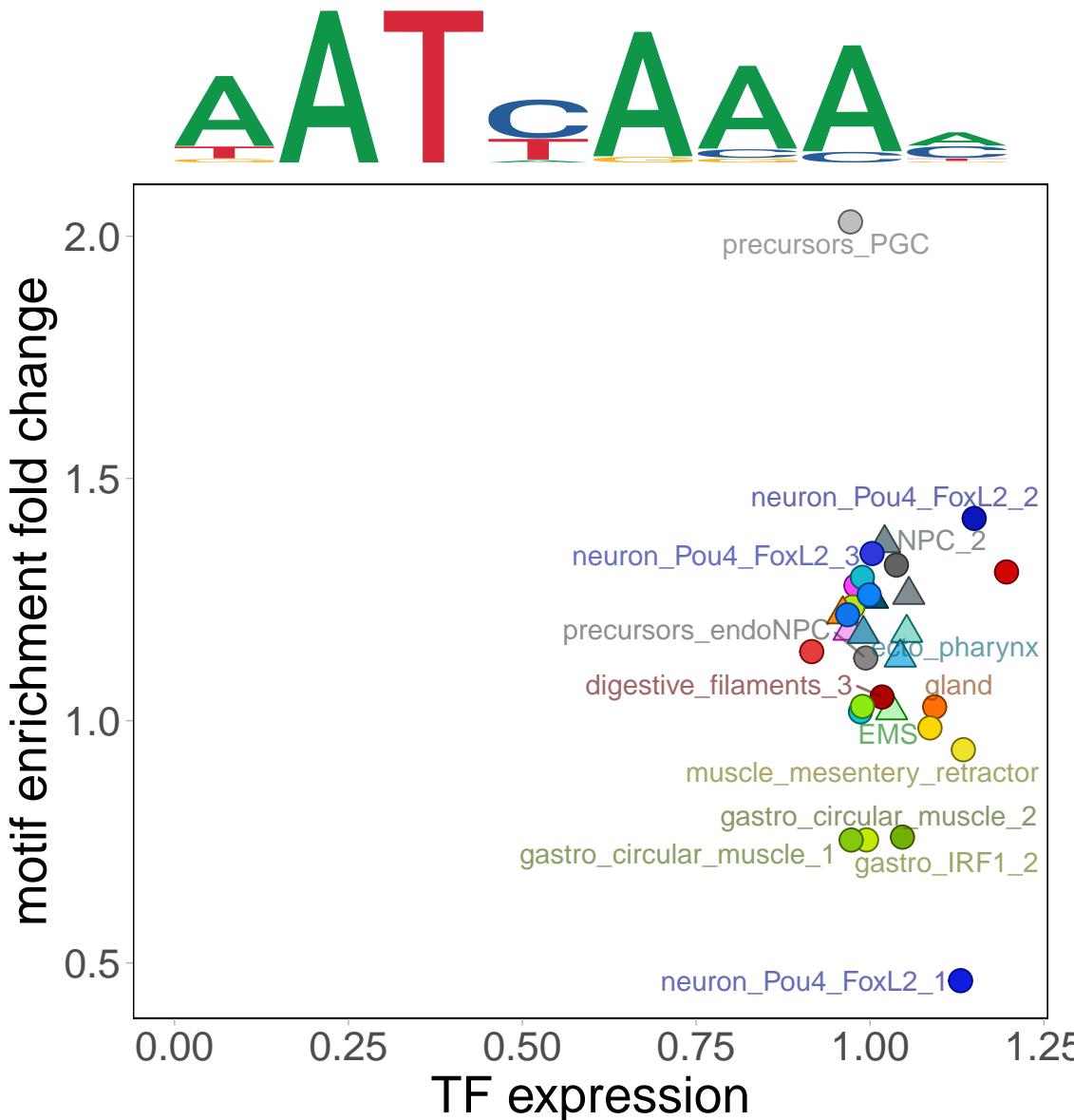
Nvec\_vc1.1\_XM\_032369367.2  
OG: HLH.HG1.69:ASCL3/ASCL4/ASCL  
PFAM: HLH  
motif: Ascl3/Ascl5/Ascl4\_241030\_strem  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.4404  
gene score correlation: -0.2505



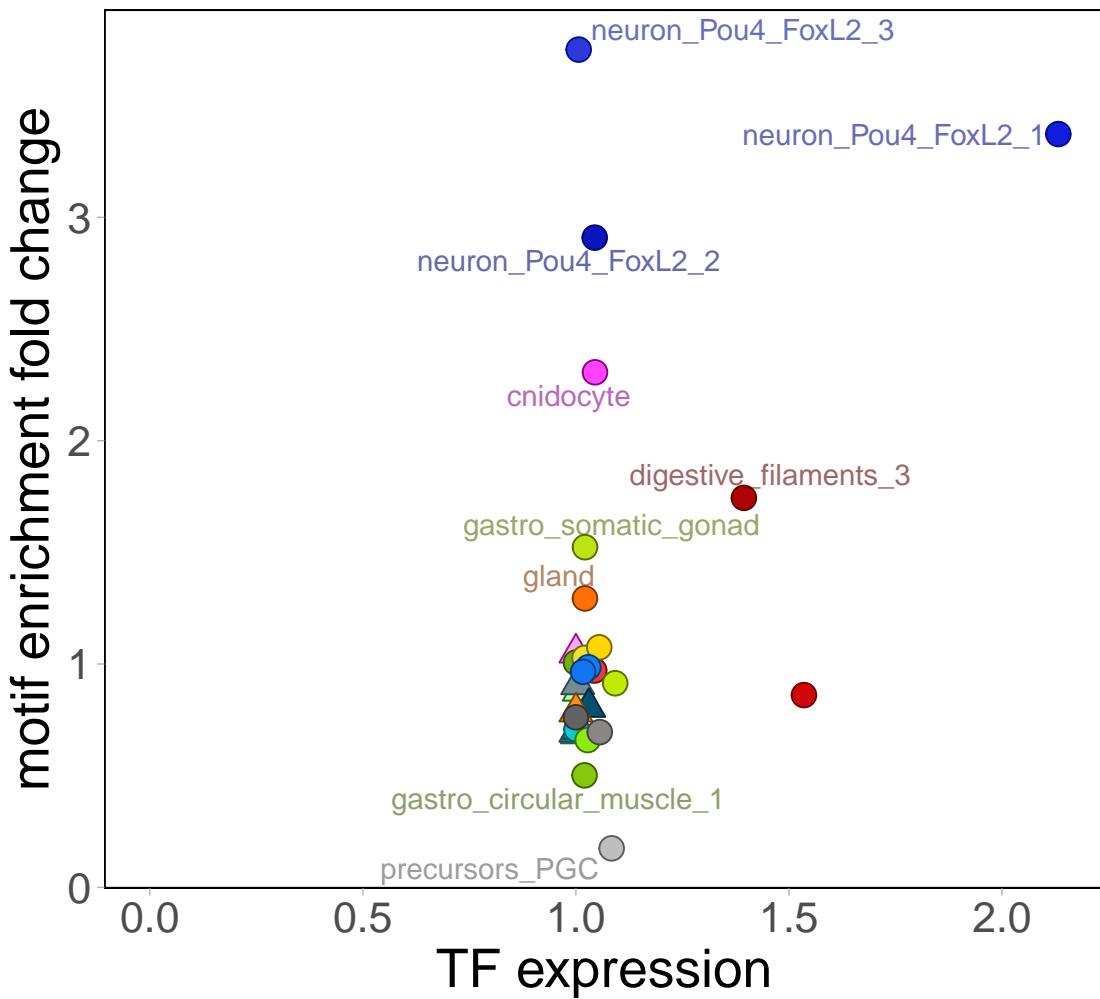
Nvec\_vc1.1\_XM\_032369437.2  
OG: zf-C2H2.HG2.20:KLF6/KLF7  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH1345\_Gfi1b/Gfi1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 23  
gene expression correlation: -0.2056  
gene score correlation: 0.3478



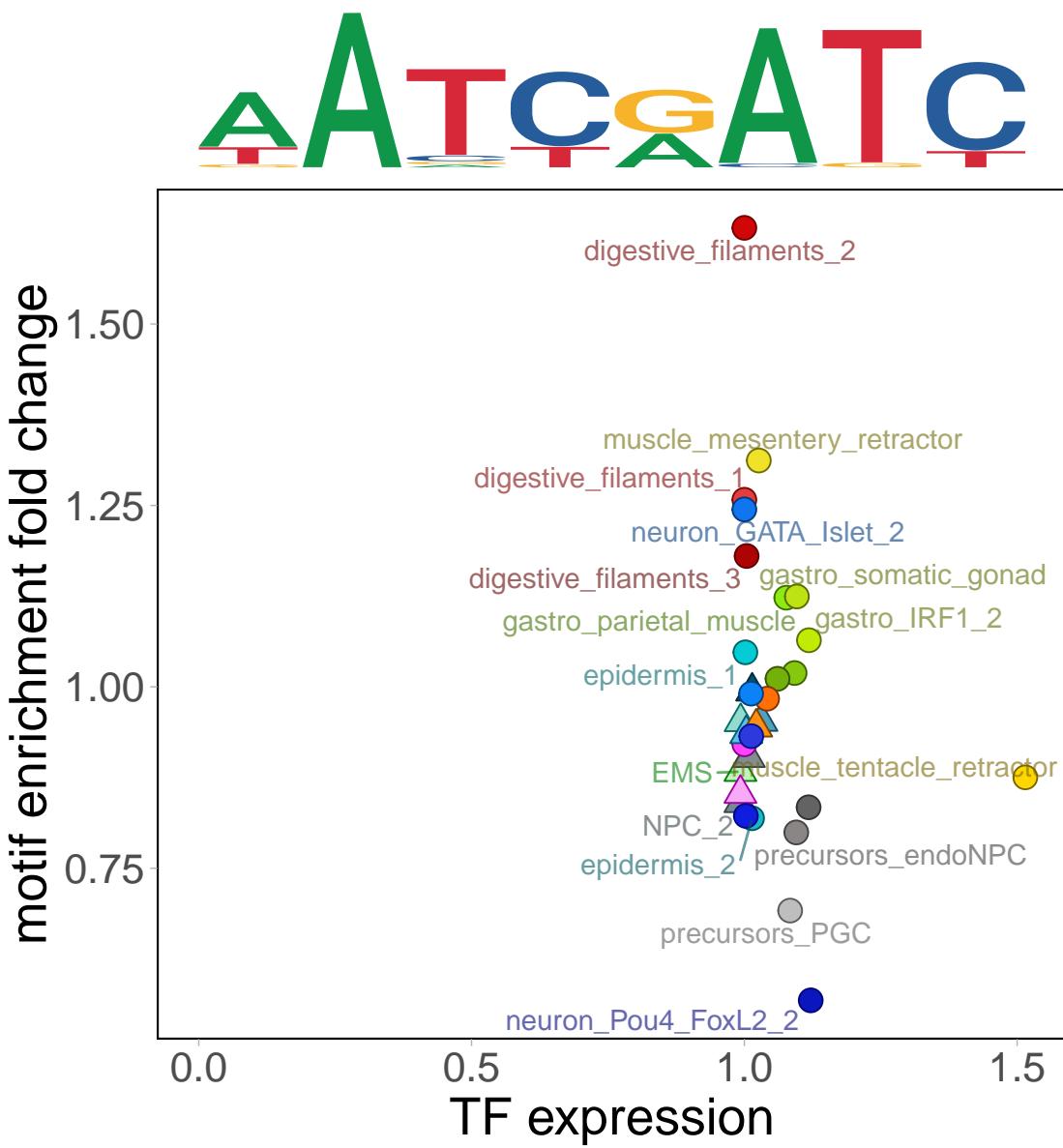
Nvec\_vc1.1\_XM\_032369810.2  
OG: ARID\_BRIGHT.HG1.7:like:ARID1A  
PFAM: ARID/BAF250\_C  
motif: ARCH64\_Arid2\_Arid3c/Arid3a/...  
TF family: ARID\_BRIGHT  
archetype family: ARID\_BRIGHT  
CisBP assigned: FALSE  
rank: 10  
gene expression correlation: -0.1881  
gene score correlation: 0.3818



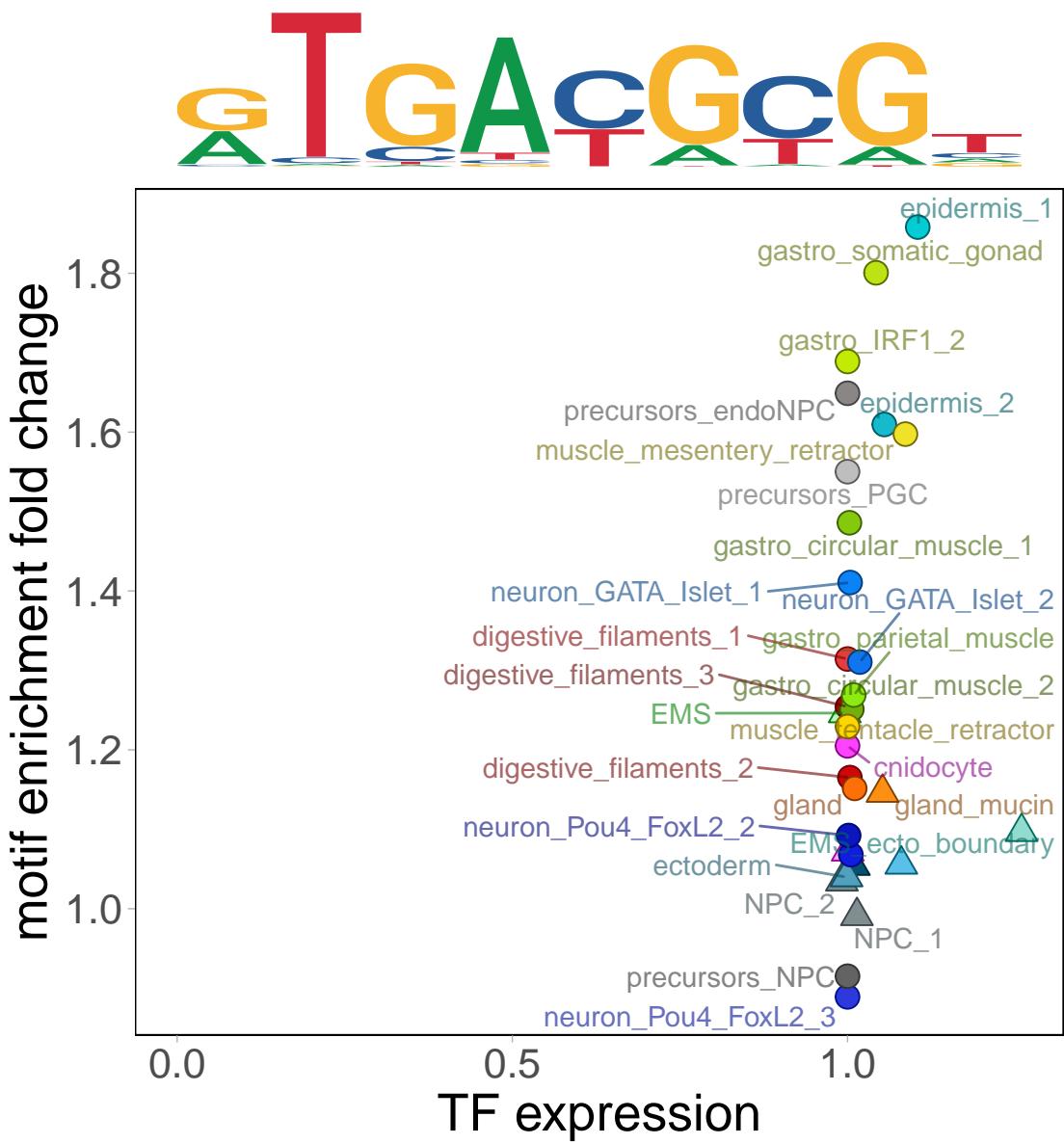
Nvec\_vc1.1\_XM\_032370011.2  
OG: Homeodomains.HG1.37:NKX6-1/N  
PFAM: Homeodomain  
motif: ARCH103\_Hnf1a/Hnf1b  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 78  
gene expression correlation: 0.4475  
gene score correlation: 0.5324



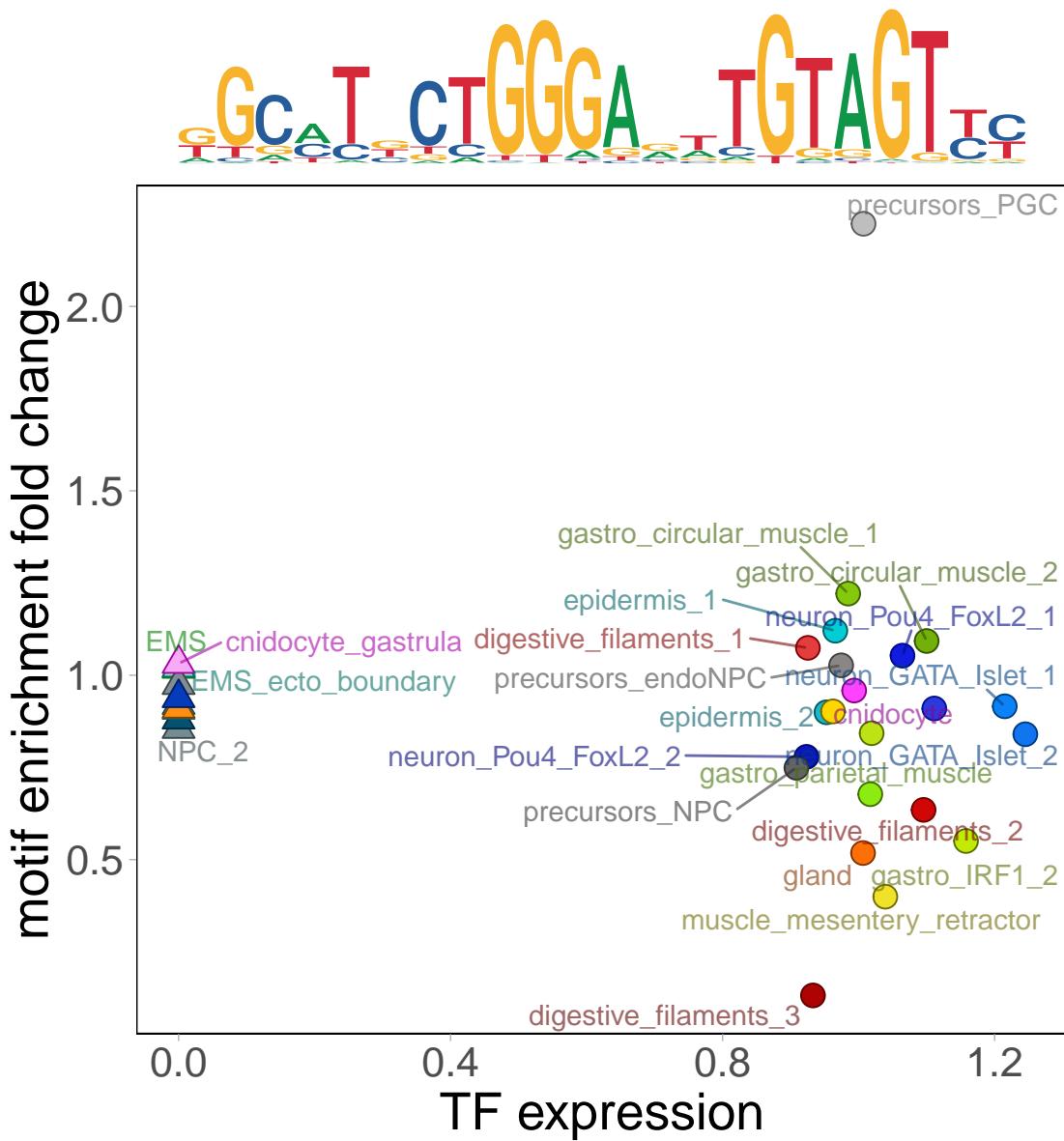
Nvec\_vc1.1\_XM\_032370013.2  
OG: Homeodomains.HG1.37:NKX6-1/N  
PFAM: Homeodomain  
motif: ARCH70\_M02142\_2.00  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 34  
gene expression correlation: -0.2089  
gene score correlation: 0.1600



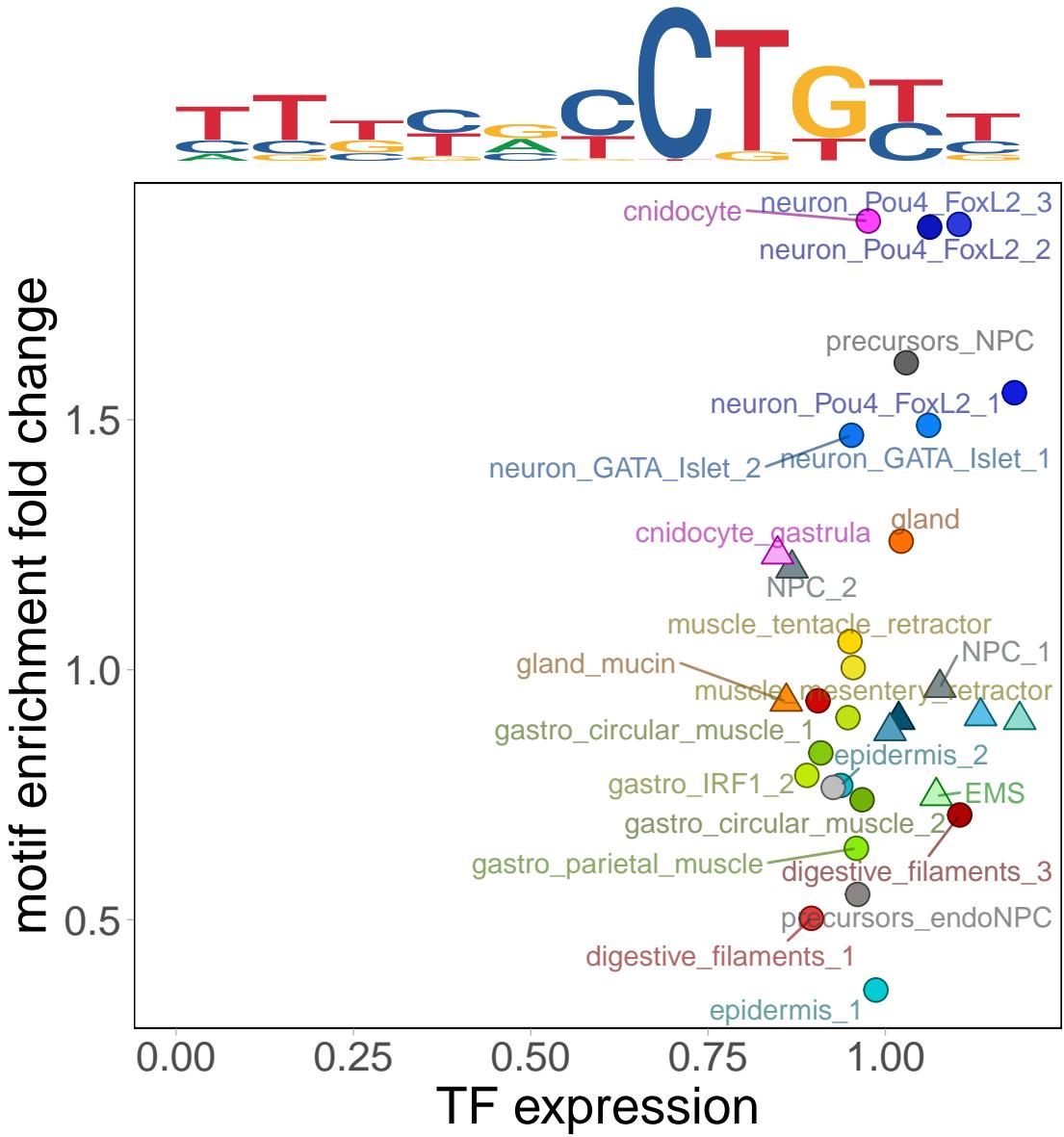
Nvec\_vc1.1\_XM\_032370269.2  
OG: bZIP.HG3.3:like:MAF/MAFA/MAFB  
PFAM: bZIP\_Maf  
motif: ARCH1583\_Crem/Creb1/Atf1  
TF family: bZIP  
archetype family: bZIP  
CisBP assigned: FALSE  
rank: 16  
gene expression correlation: 0.1322  
gene score correlation: 0.5491



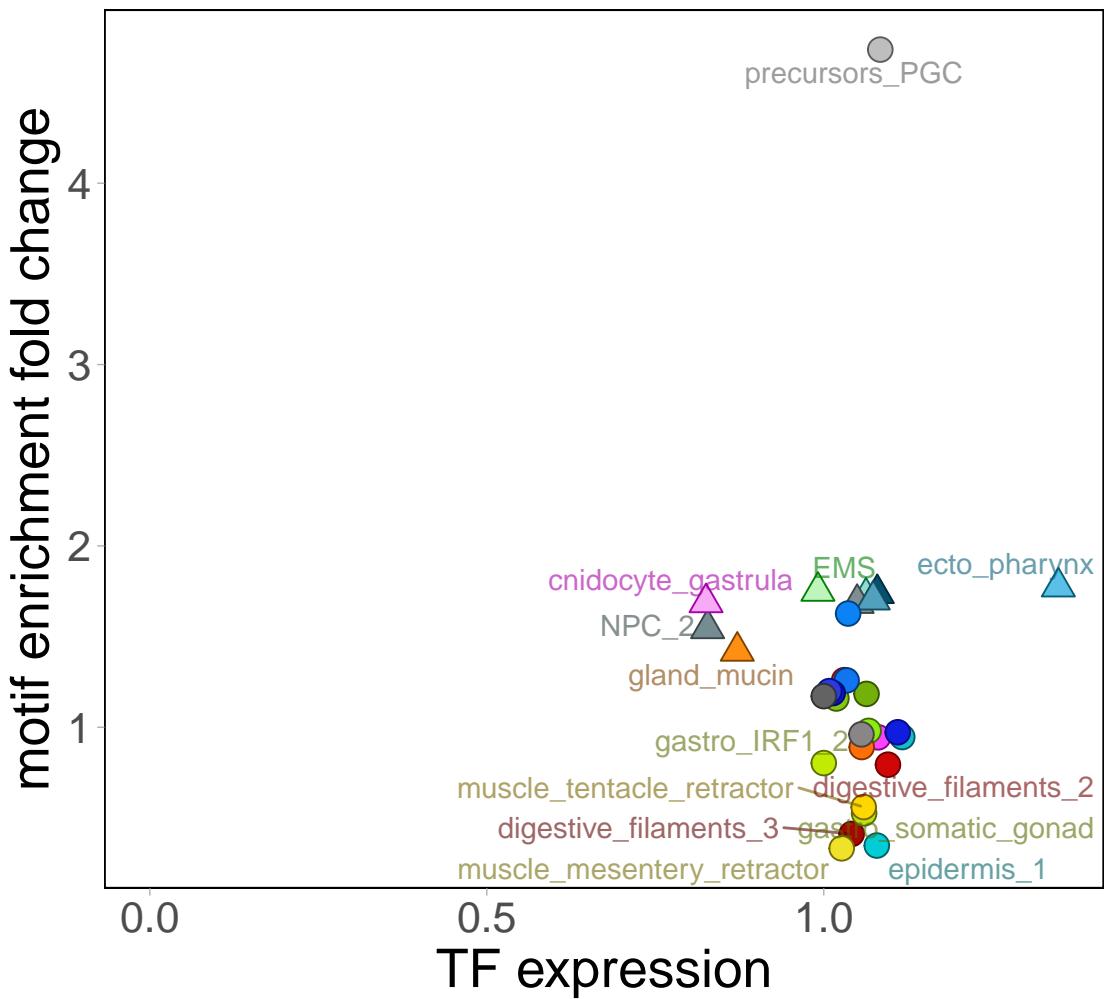
Nvec\_vc1.1\_XM\_032370334.2  
OG: THAP\_finger.HG1.20:like:THAP11  
PFAM: THAP  
motif: M09441\_2.00  
TF family: THAP\_finger  
archetype family: THAP\_finger  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.0878  
gene score correlation: -0.0571



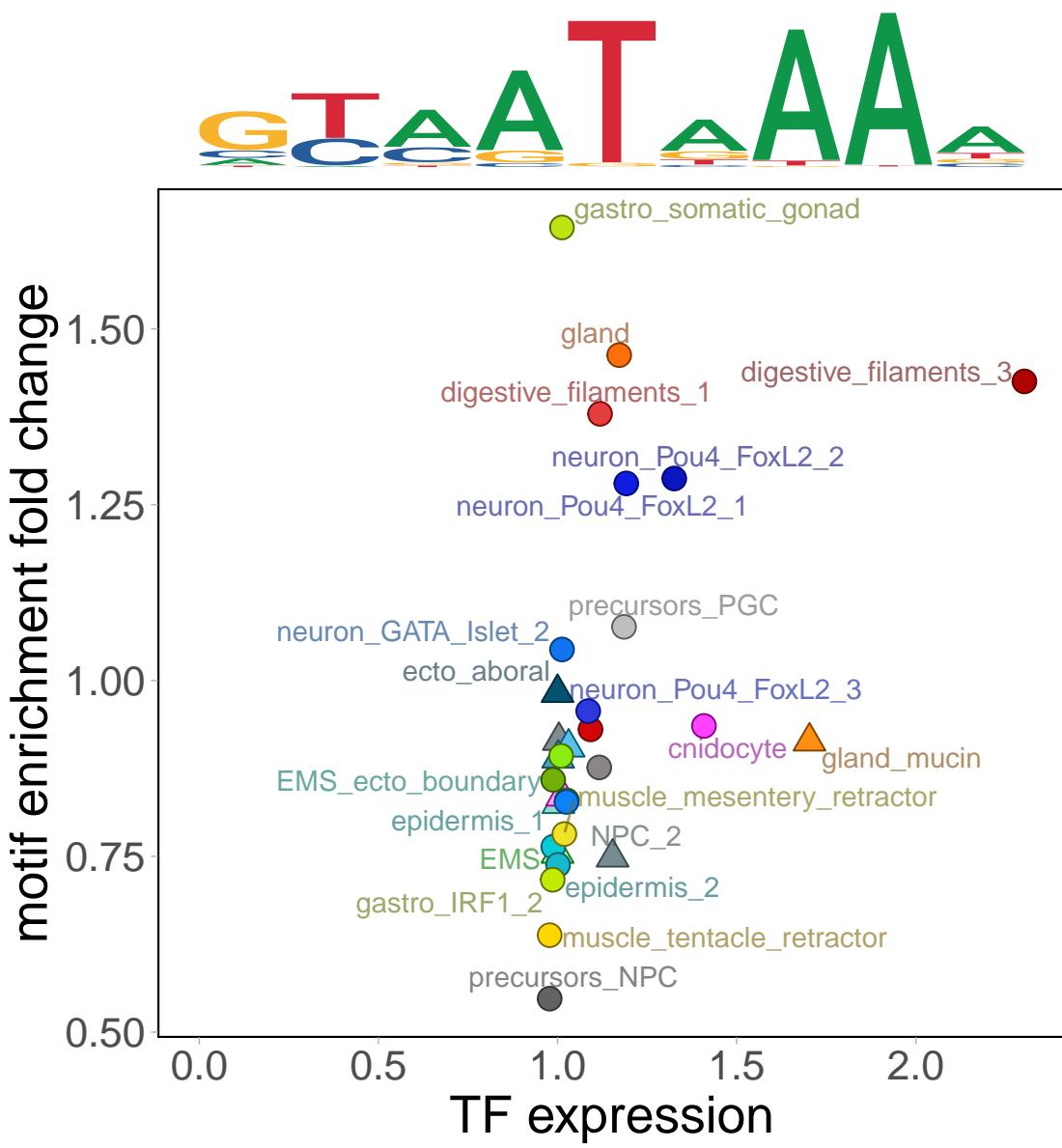
Nvec\_vc1.1\_XM\_032370541.2  
OG: SMAD\_MH1.HG1.1:SMAD4  
PFAM: MH1/MH2  
motif: ARCH662\_Smad4  
TF family: SMAD\_MH1  
archetype family: SMAD\_MH1  
CisBP assigned: TRUE  
rank: 45  
gene expression correlation: 0.2737  
gene score correlation: 0.3554



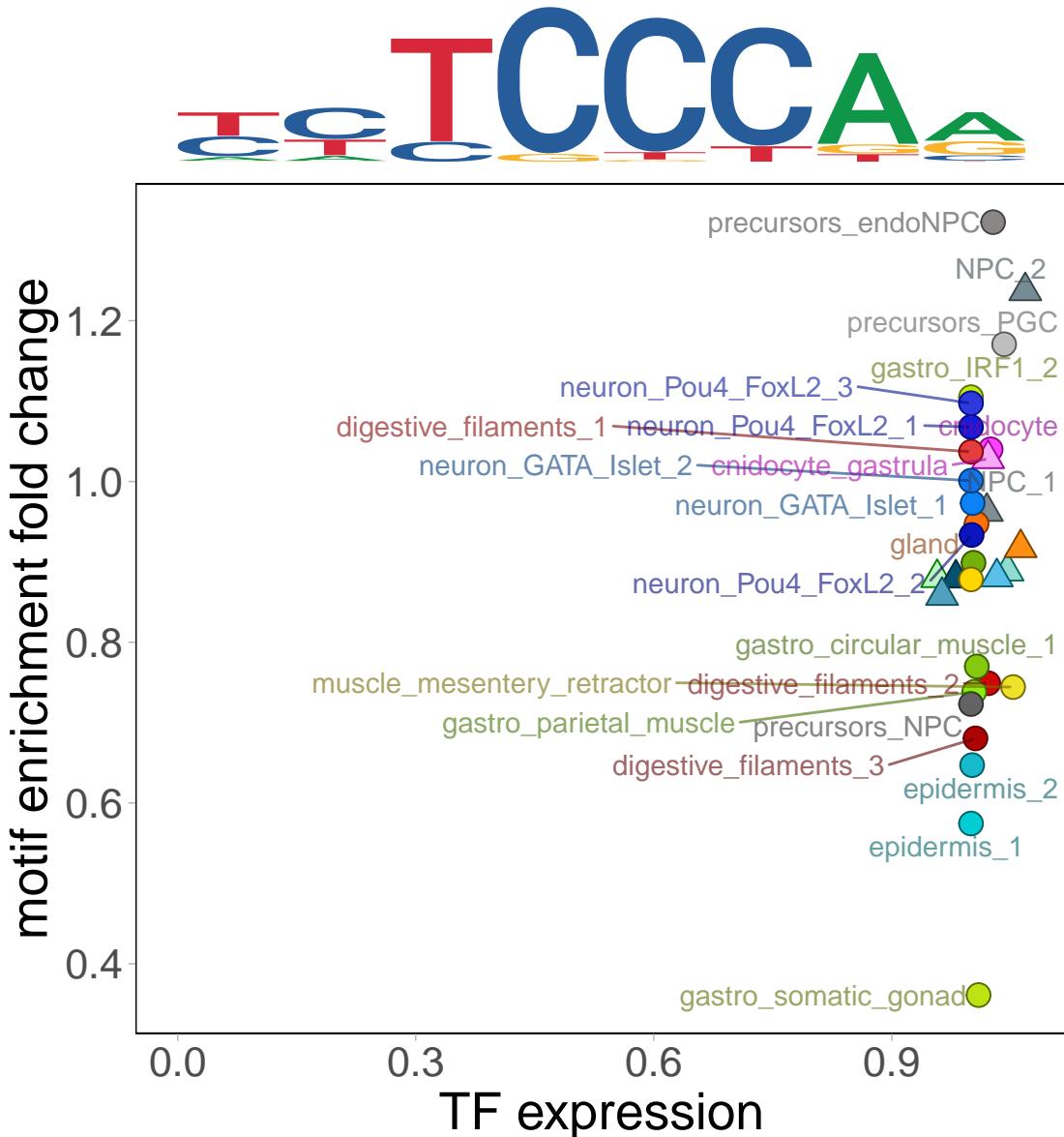
Nvec\_vc1.1\_XM\_032370623.2  
OG: E2F\_TDP.HG1.0:E2F7/E2F8  
PFAM: E2F\_TDP/E2F\_TDP  
motif: ARCH1220\_/E2f4\_E2f6\_E2f8/E2f  
TF family: E2F\_TDP  
archetype family: E2F\_TDP  
CisBP assigned: TRUE  
rank: 10  
gene expression correlation: 0.0130  
gene score correlation: 0.3693



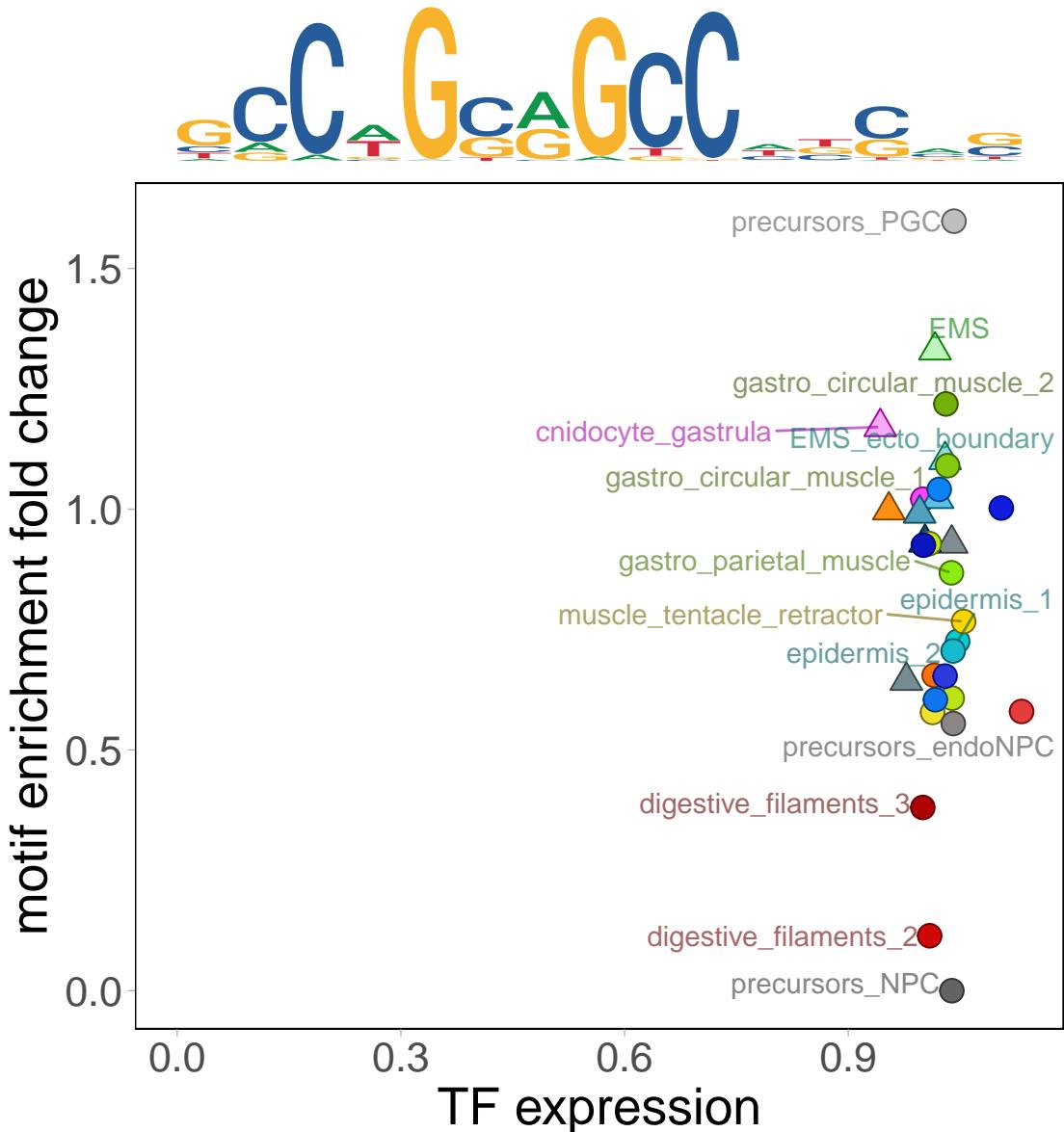
Nvec\_vc1.1\_XM\_032371032.2  
OG: Homeodomains.HG2.70:ARX  
PFAM: Homeodomain/OAR  
motif: ARCH1025\_Hoxa1/Hoxb1/Hoxd1  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 50  
gene expression correlation: 0.4241  
gene score correlation: 0.3404



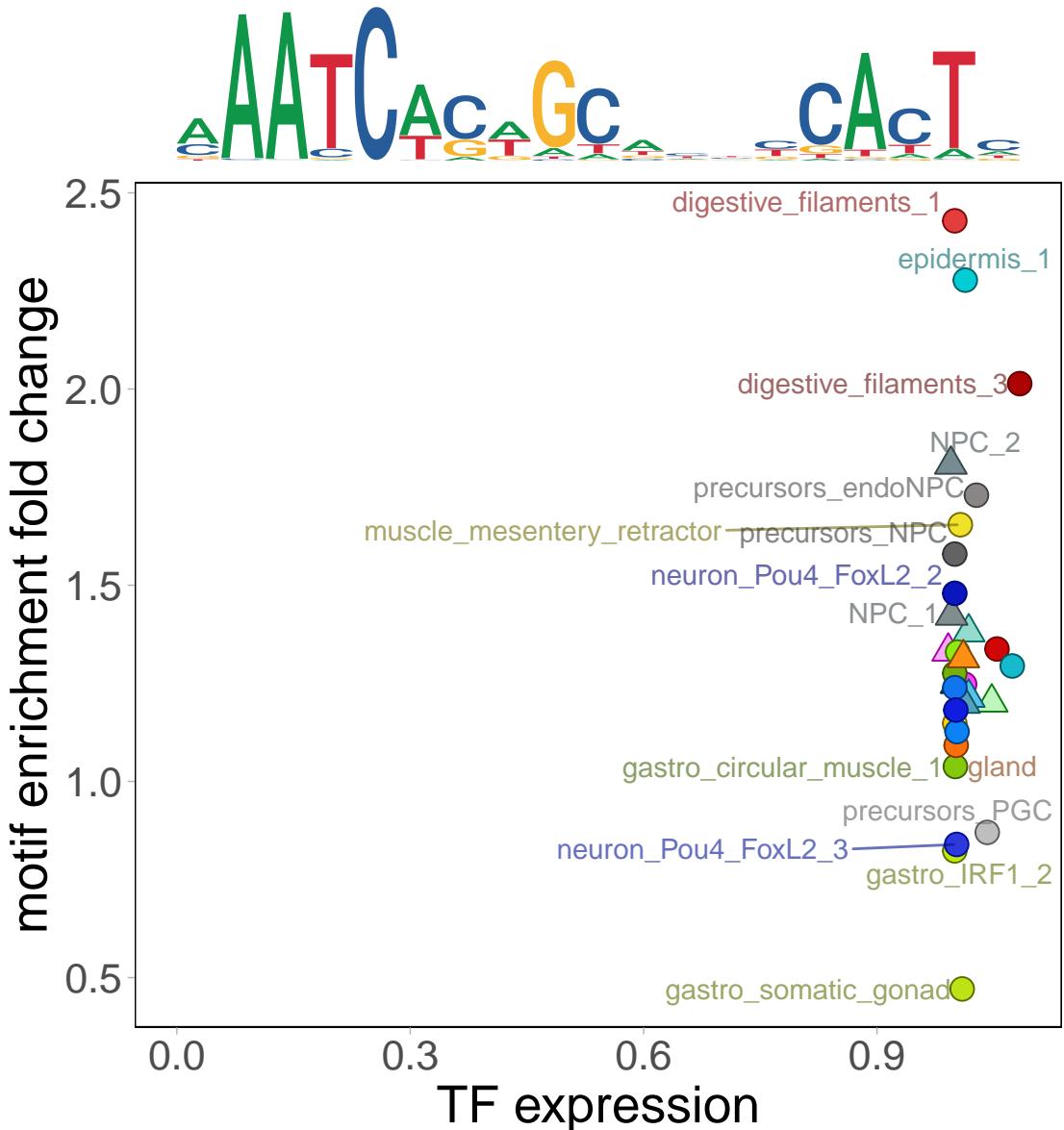
Nvec\_vc1.1\_XM\_032371091.2  
OG: zf-C2H2.HG10.1:ZFP3/ZNF319/Z  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: ARCH822\_M08939\_2.00\_\_M103  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 12  
gene expression correlation: 0.2414  
gene score correlation: -0.0575



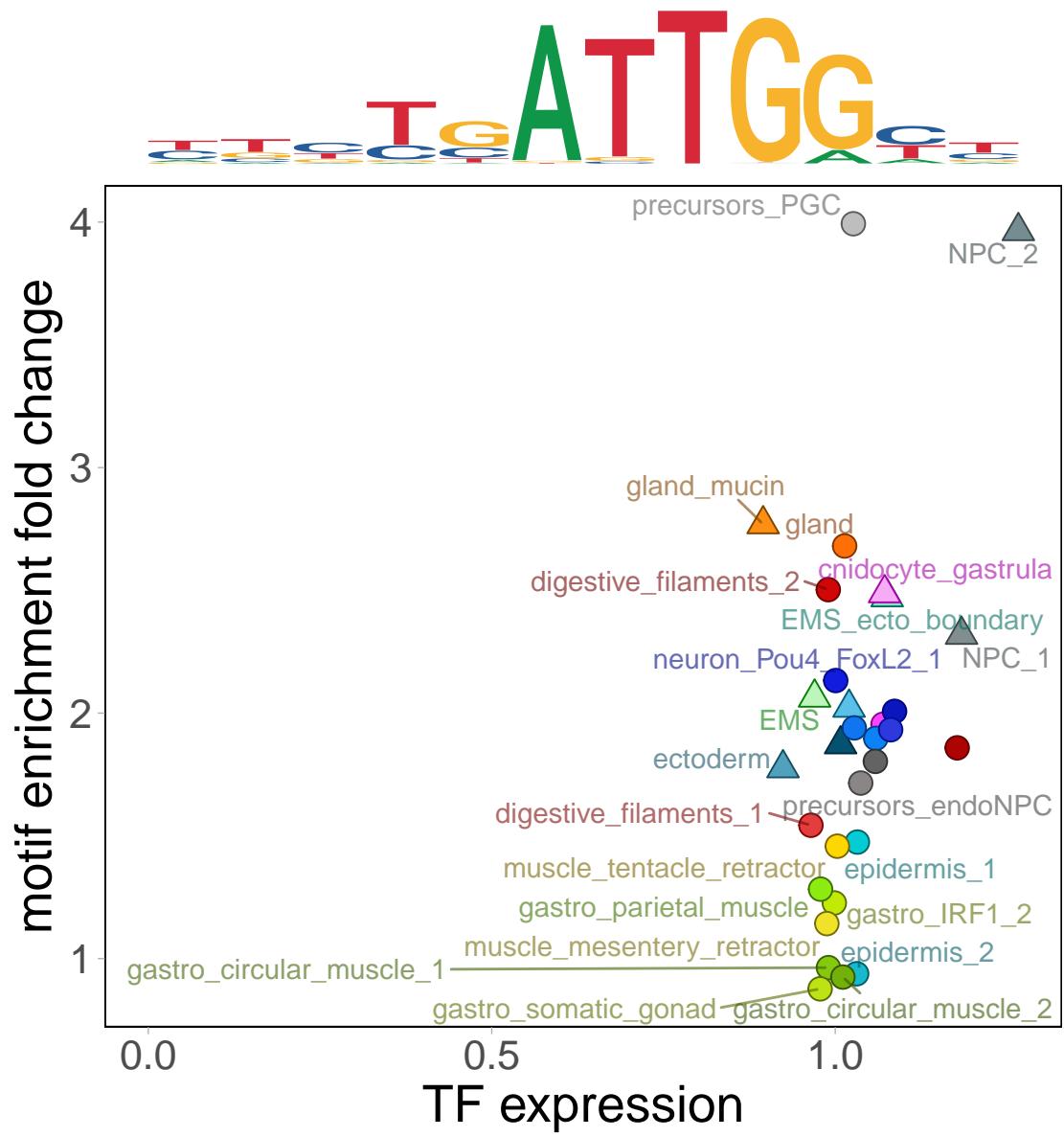
Nvec\_vc1.1\_XM\_032371093.2  
OG: zf-C2H2.HG10.1:ZFP3/ZNF319/Z  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: ARCH529\_Rslcan18/Gm28557/Z  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: TRUE  
rank: 136  
gene expression correlation: -0.1168  
gene score correlation: 0.0010



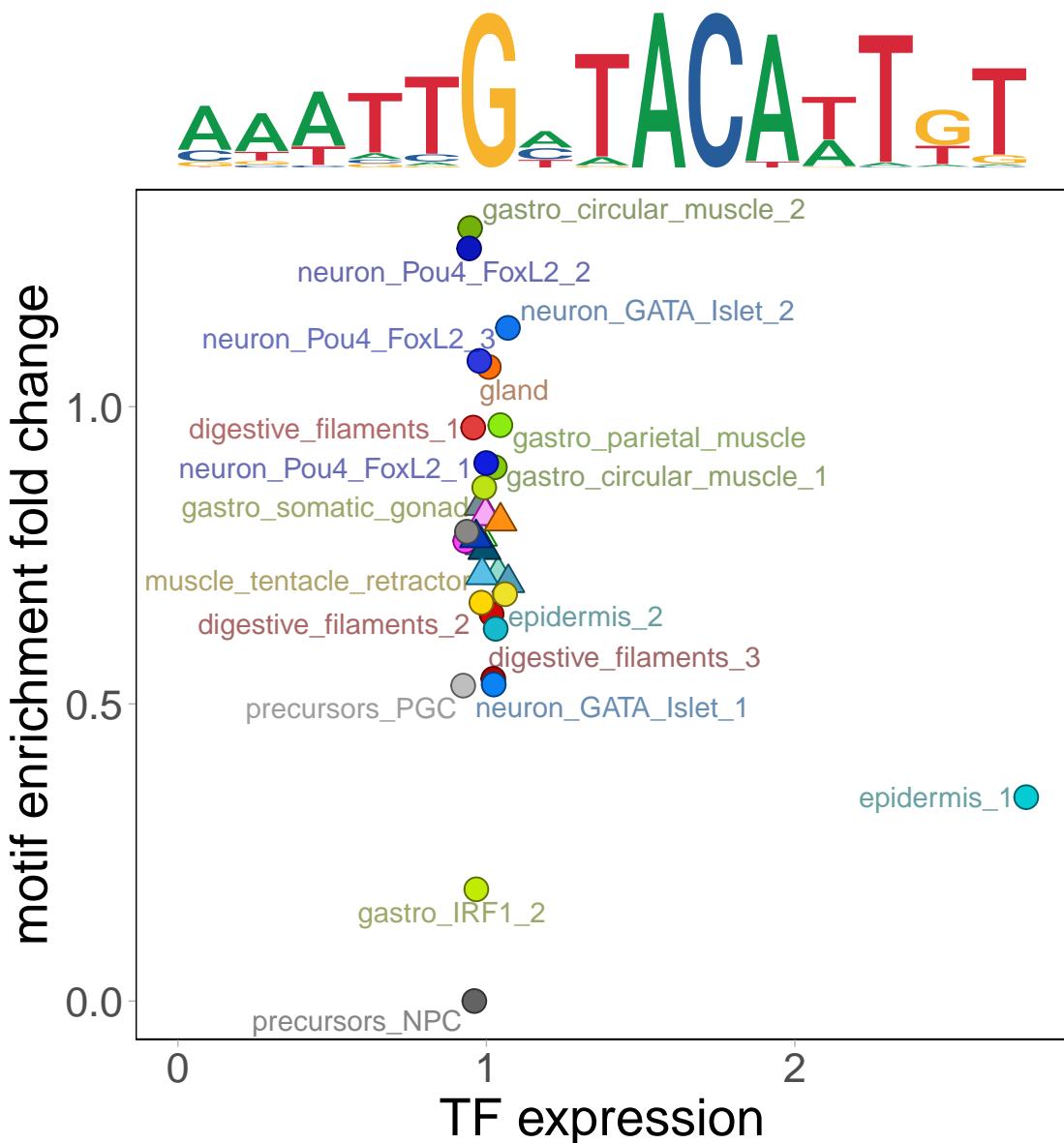
Nvec\_vc1.1\_XM\_032371094.2  
OG: zf-C2H2.HG10.1:ZFP3/ZNF319/Z  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: ARCH1345\_Gfi1b/Gfi1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 510  
gene expression correlation: 0.1185  
gene score correlation: 0.1826



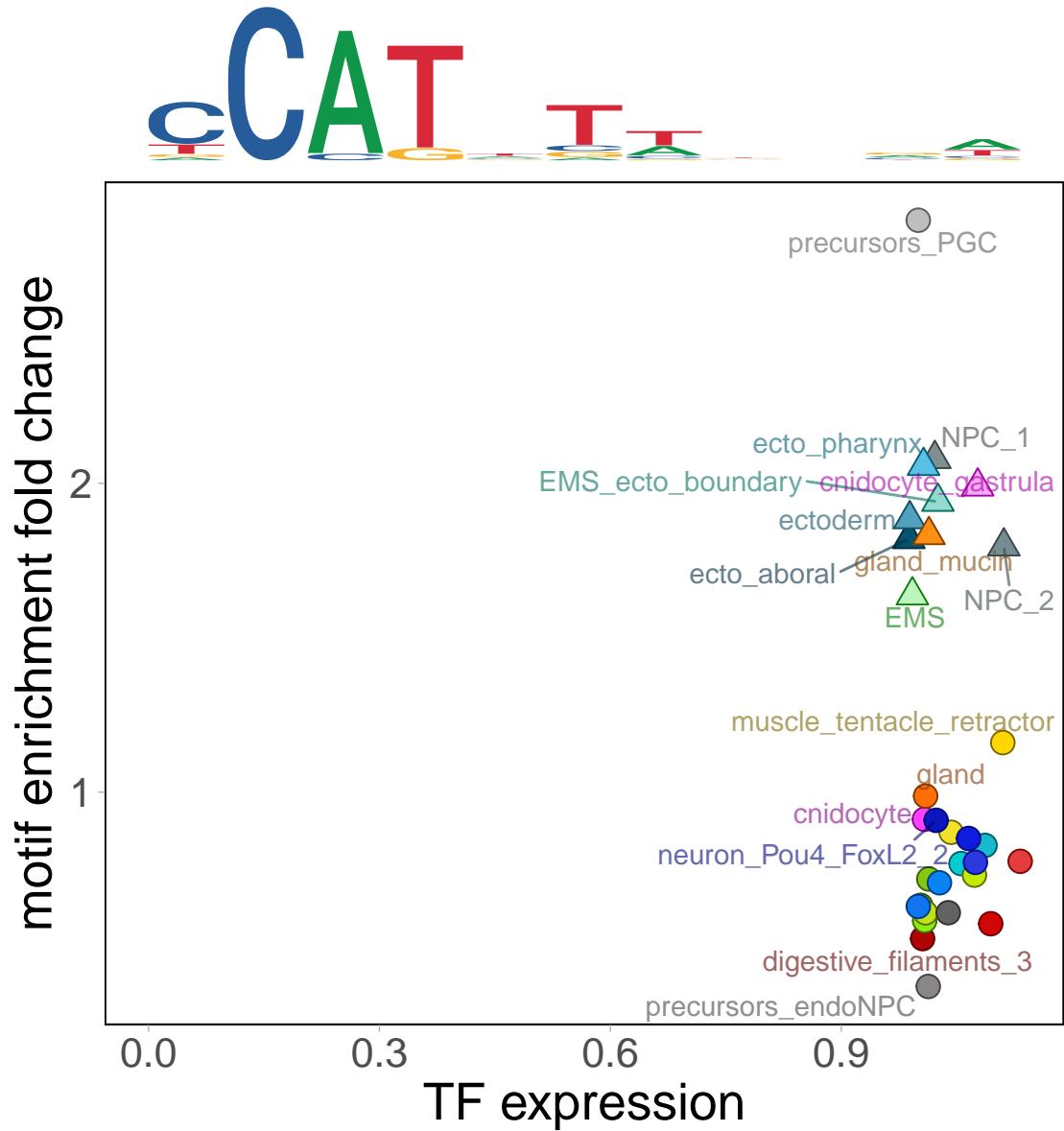
Nvec\_vc1.1\_XM\_032371469.2  
OG: Homeodomains.HG3.4:SATB1/SAT  
PFAM: CSTF1\_dimer/CUT  
motif: ARCH121\_Nfya\_Pbx4/Pbx2/Pbx1  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 6  
gene expression correlation: 0.3933  
gene score correlation: 0.0836



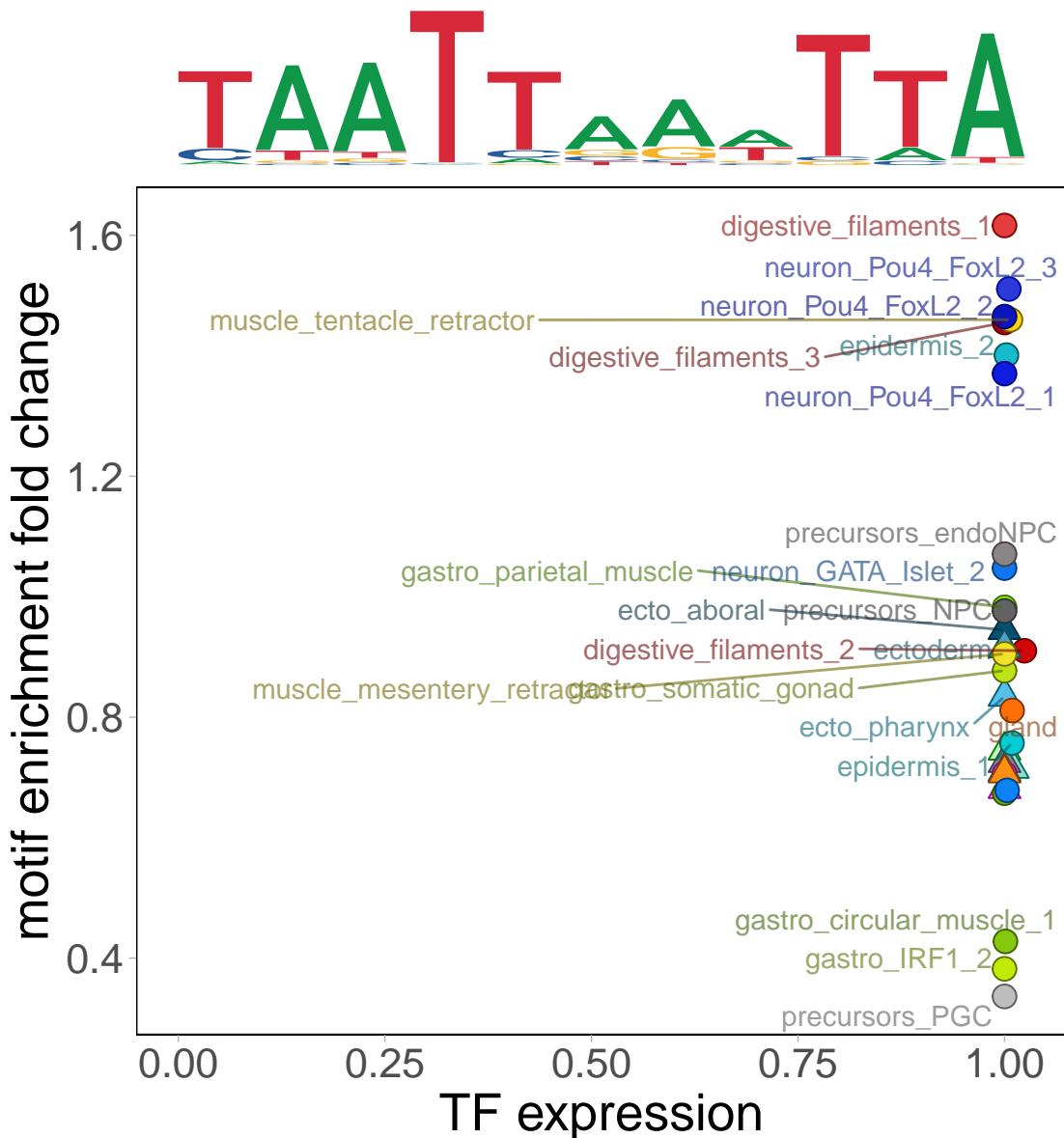
Nvec\_vc1.1\_XM\_032371744.2  
OG: Doublesex\_DM.HG1.12:DMRTA1/D  
PFAM: DM/DMA  
motif: Nvec\_vc1.1\_XM\_032371744.2\_D  
TF family: Doublesex\_DM  
archetype family: Doublesex\_DM  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.2761  
gene score correlation: -0.1161



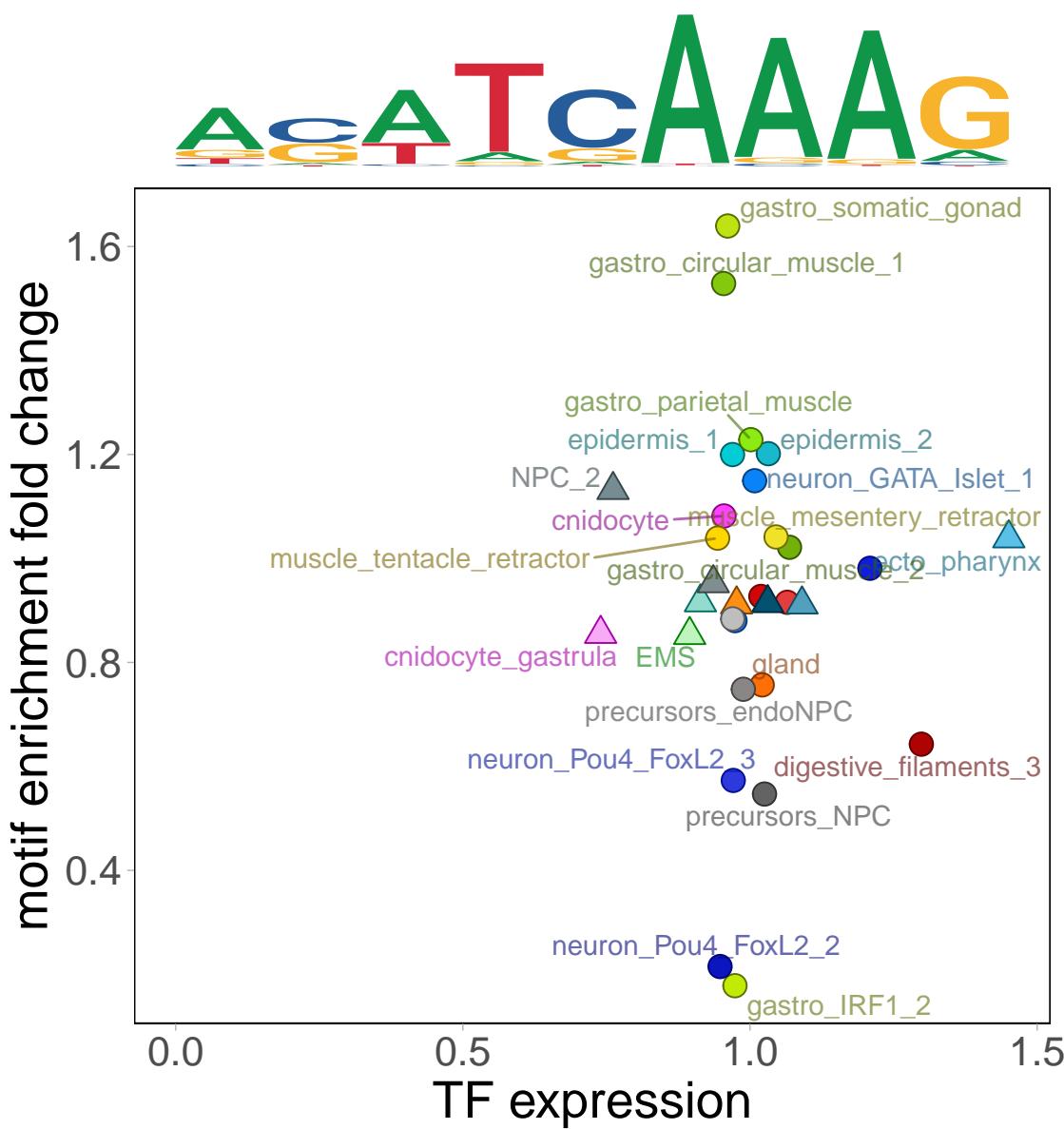
Nvec\_vc1.1\_XM\_032371845.2  
OG: zf-C2H2.HG1.212:like:AC008758.1  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH1311\_Yy1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 19  
gene expression correlation: -0.1735  
gene score correlation: -0.0178



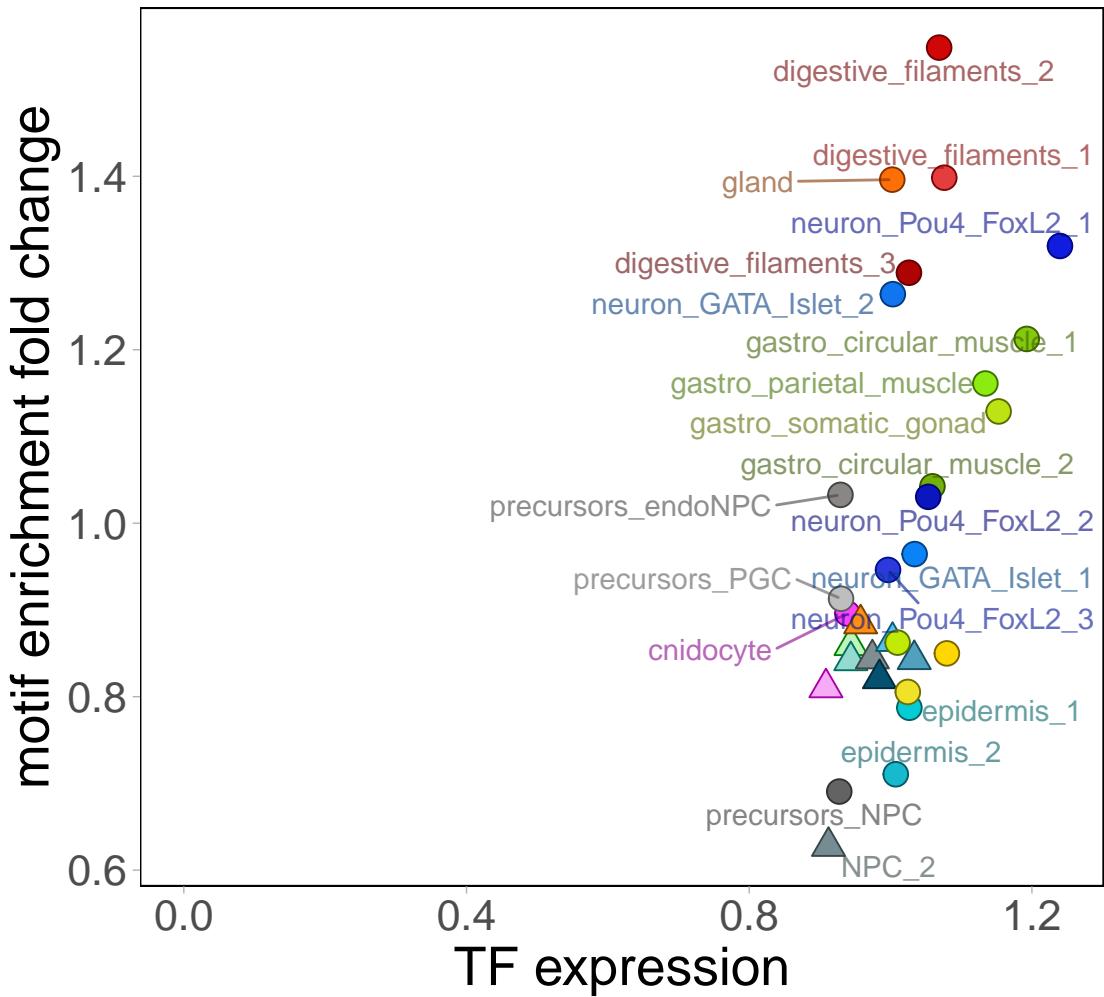
Nvec\_vc1.1\_XM\_032371859.2  
OG: Homeodomains.HG1.56:like:EN1/E  
PFAM: Homeodomain  
motif: ARCH233\_Alx3/AIx4/AIx1\_Barx...  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: TRUE  
rank: 40  
gene expression correlation: 0.0261  
gene score correlation: 0.4448



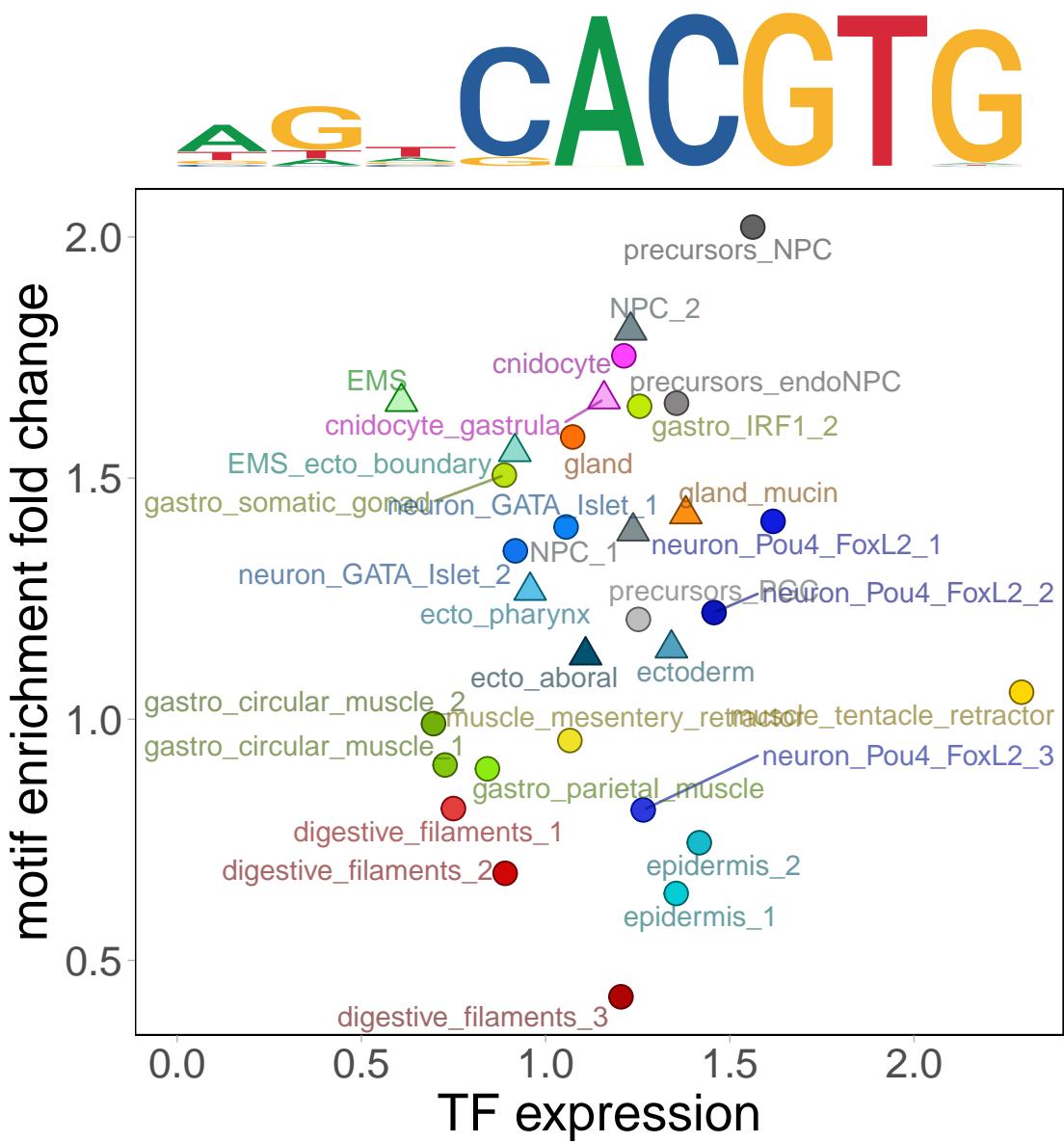
Nvec\_vc1.1\_XM\_032371996.2  
OG: HMGbox\_Sox.HG1.53:LEF1/TCF7L1  
PFAM: HMG\_box  
motif: ARCH1158\_Lef1/Tcf7l1/Tcf7  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: TRUE  
rank: 1  
gene expression correlation: -0.0373  
gene score correlation: 0.1100



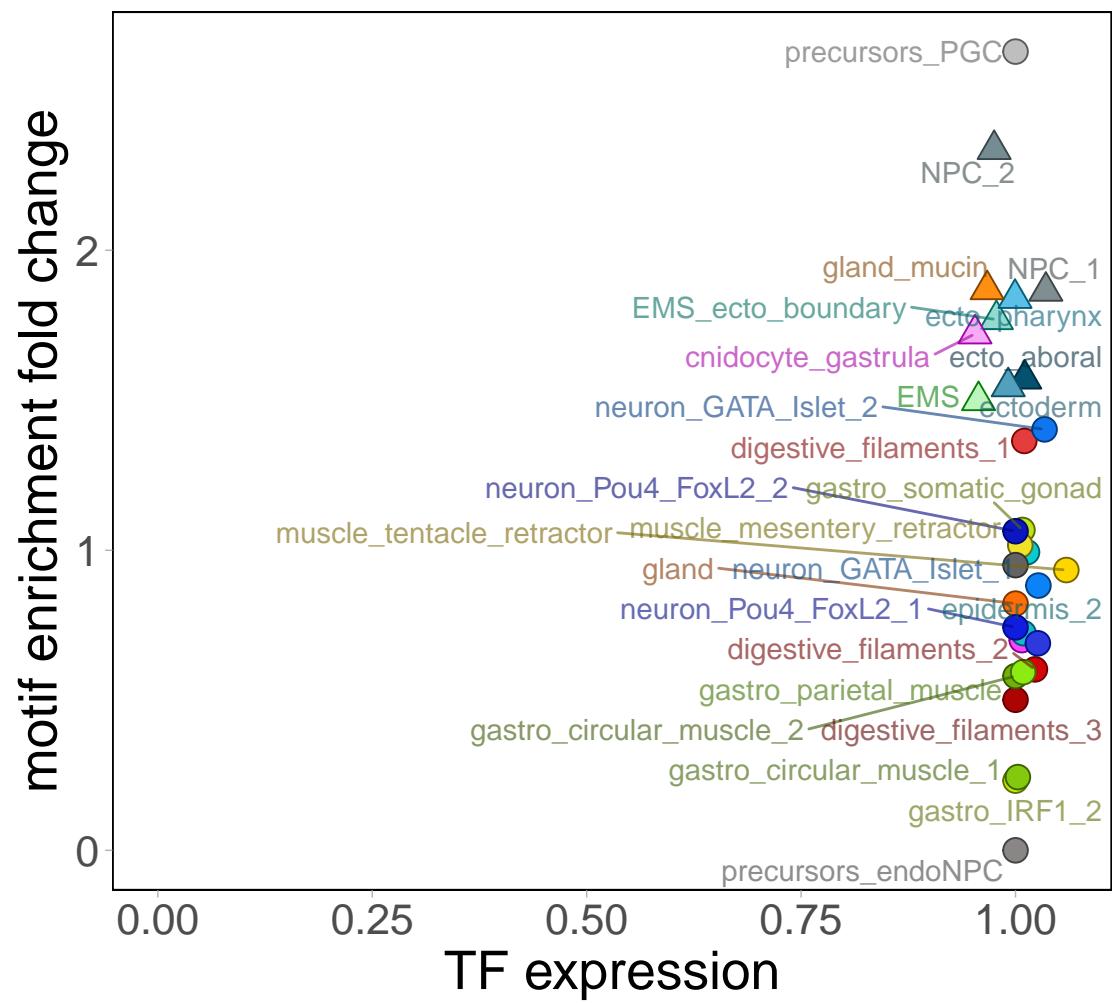
Nvec\_vc1.1\_XM\_032372025.2  
OG: HLH.HG1.0:AC019117.4/AHR/AHF  
PFAM: HLH/PAS/PAS\_11  
motif: ARCH1068\_bHLH122  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 581  
gene expression correlation: 0.5766  
gene score correlation: 0.2281



Nvec\_vc1.1\_XM\_032372114.2  
OG: bZIP.HG1.8:ATF4/ATF5  
PFAM: bZIP\_1  
motif: ARCH944\_M04019\_2.00\_bHLH  
TF family: bZIP  
archetype family: bZIP  
CisBP assigned: FALSE  
rank: 32  
gene expression correlation: 0.0862  
gene score correlation: 0.2498



Nvec\_vc1.1\_XM\_032372258.2  
OG: zf-C2H2.HG10.1:ZFP3/ZNF319/Z  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: ARCH1255\_Yy1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 4  
gene expression correlation: -0.3177  
gene score correlation: 0.3509



Nvec\_vc1.1\_XM\_032372575.2

OG: Myb.HG2.2:NA

PFAM: MADF\_DNA\_bdg

motif: ARCH511\_MYB88

TF family: Myb

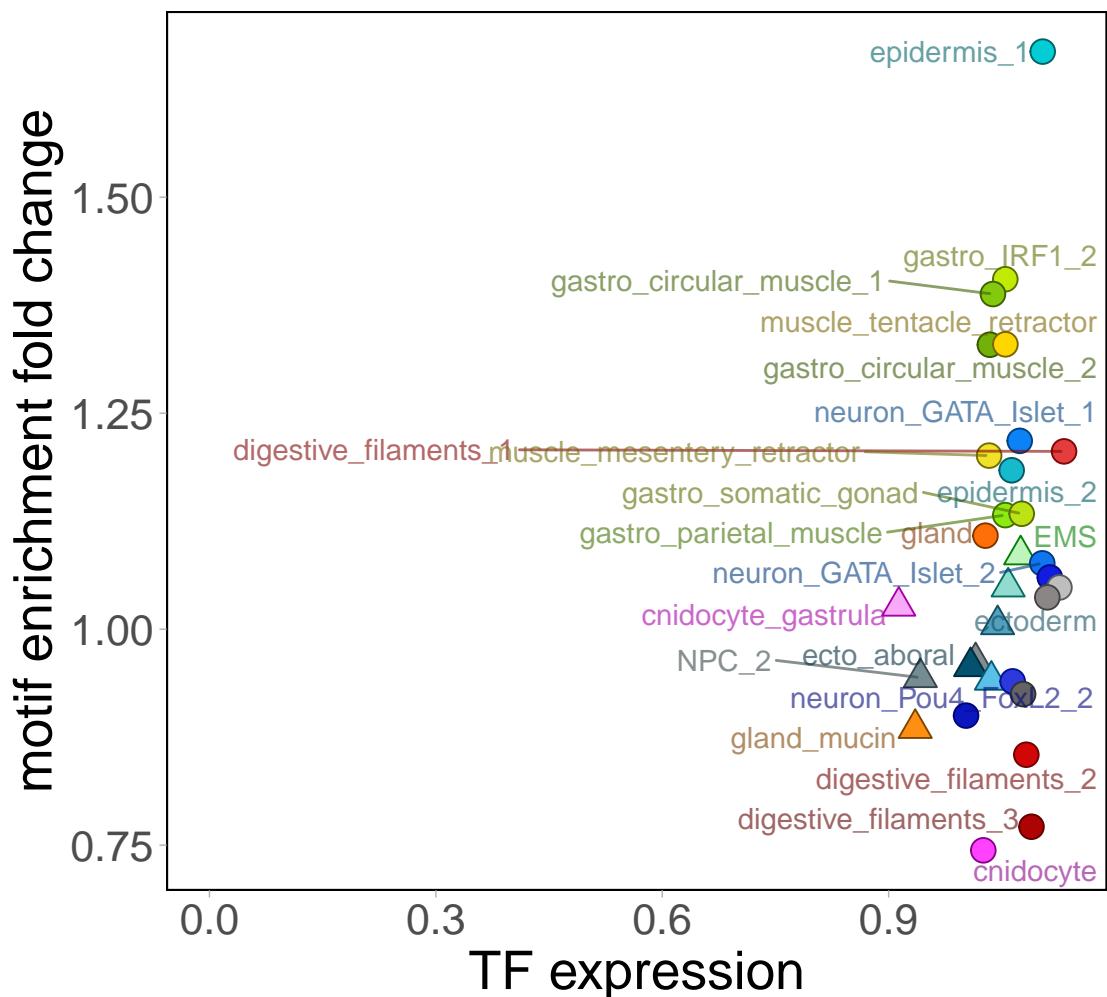
archetype family: Myb

CisBP assigned: FALSE

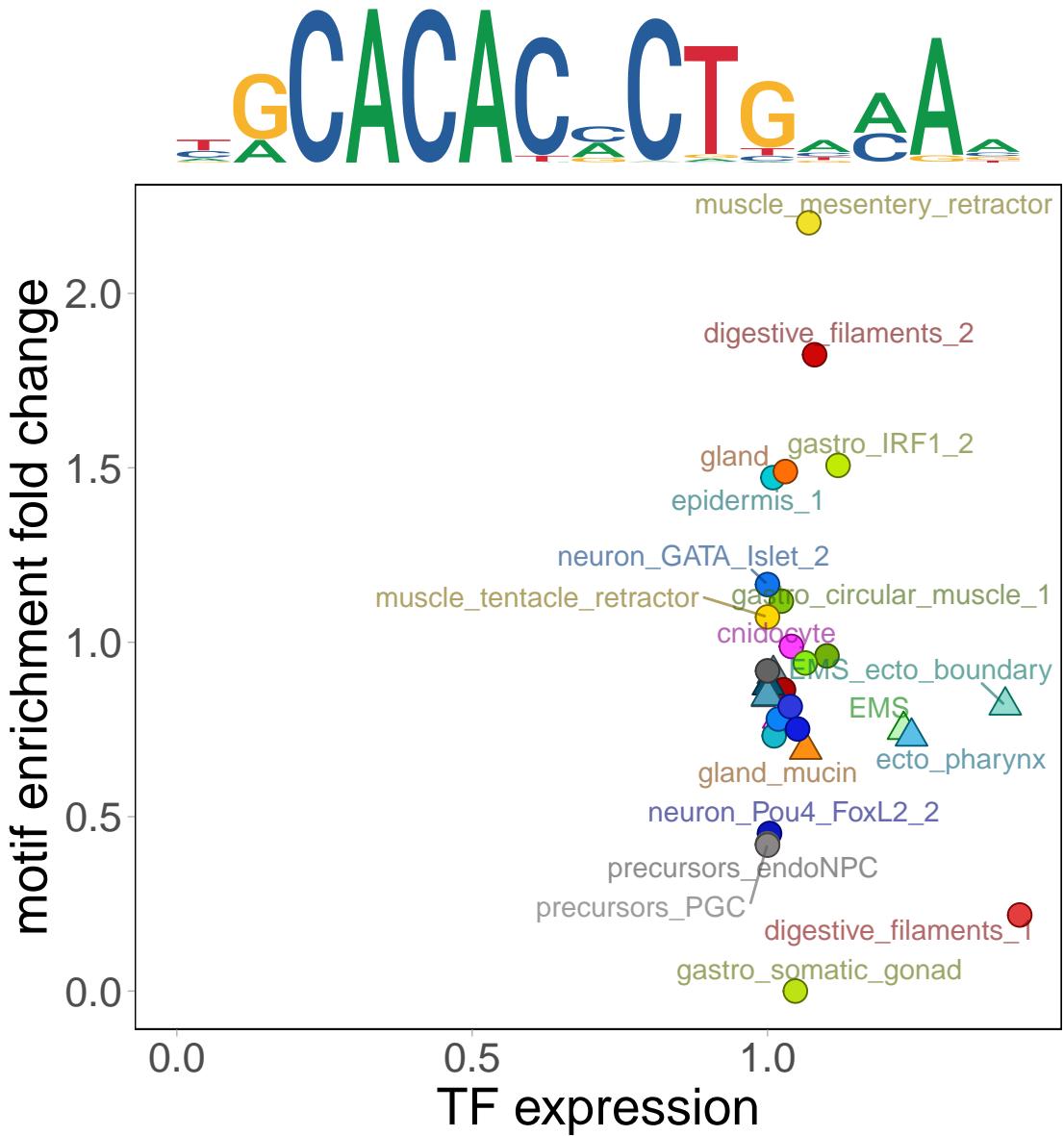
rank: 21

gene expression correlation: 0.2590

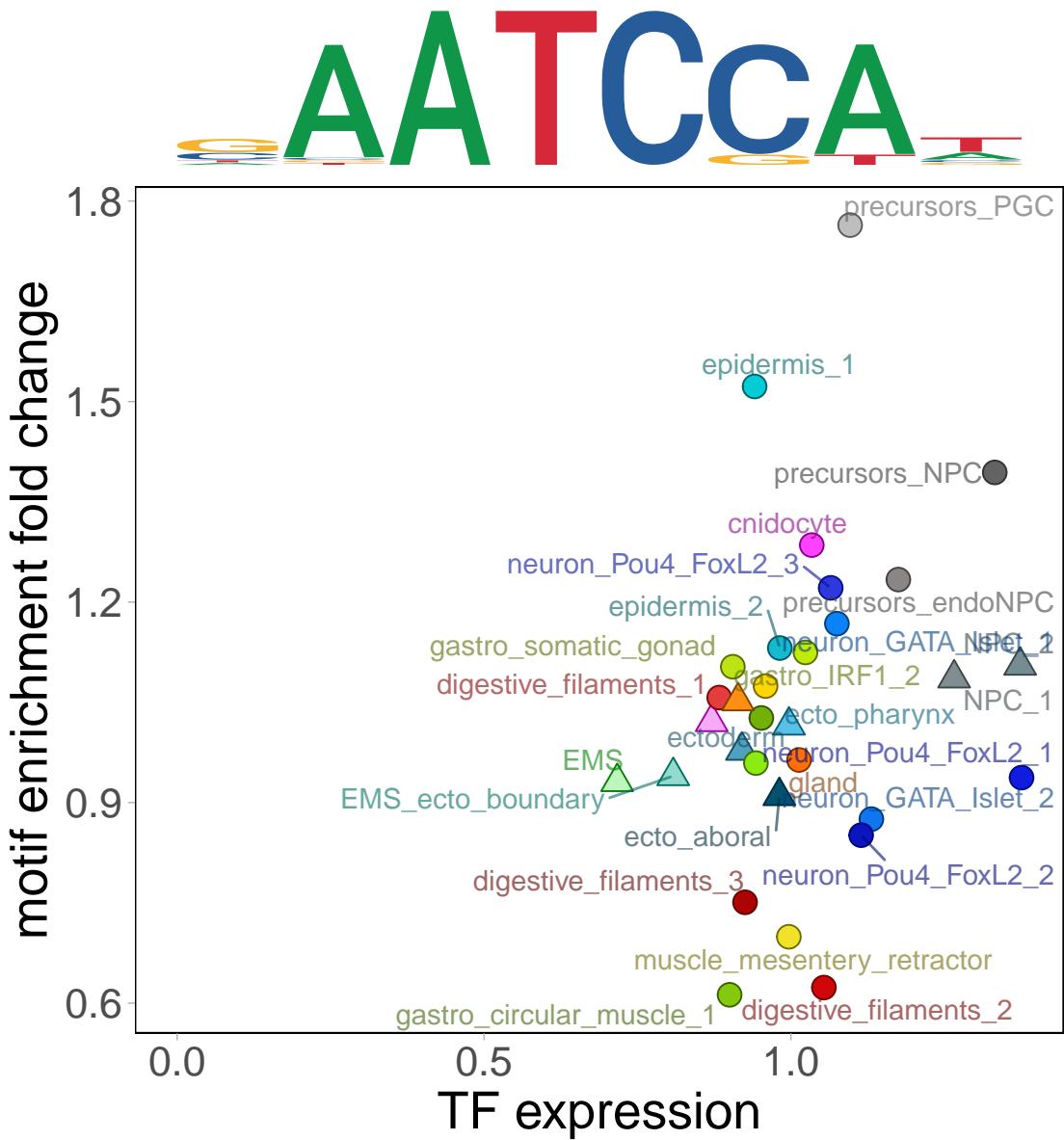
gene score correlation: 0.2780



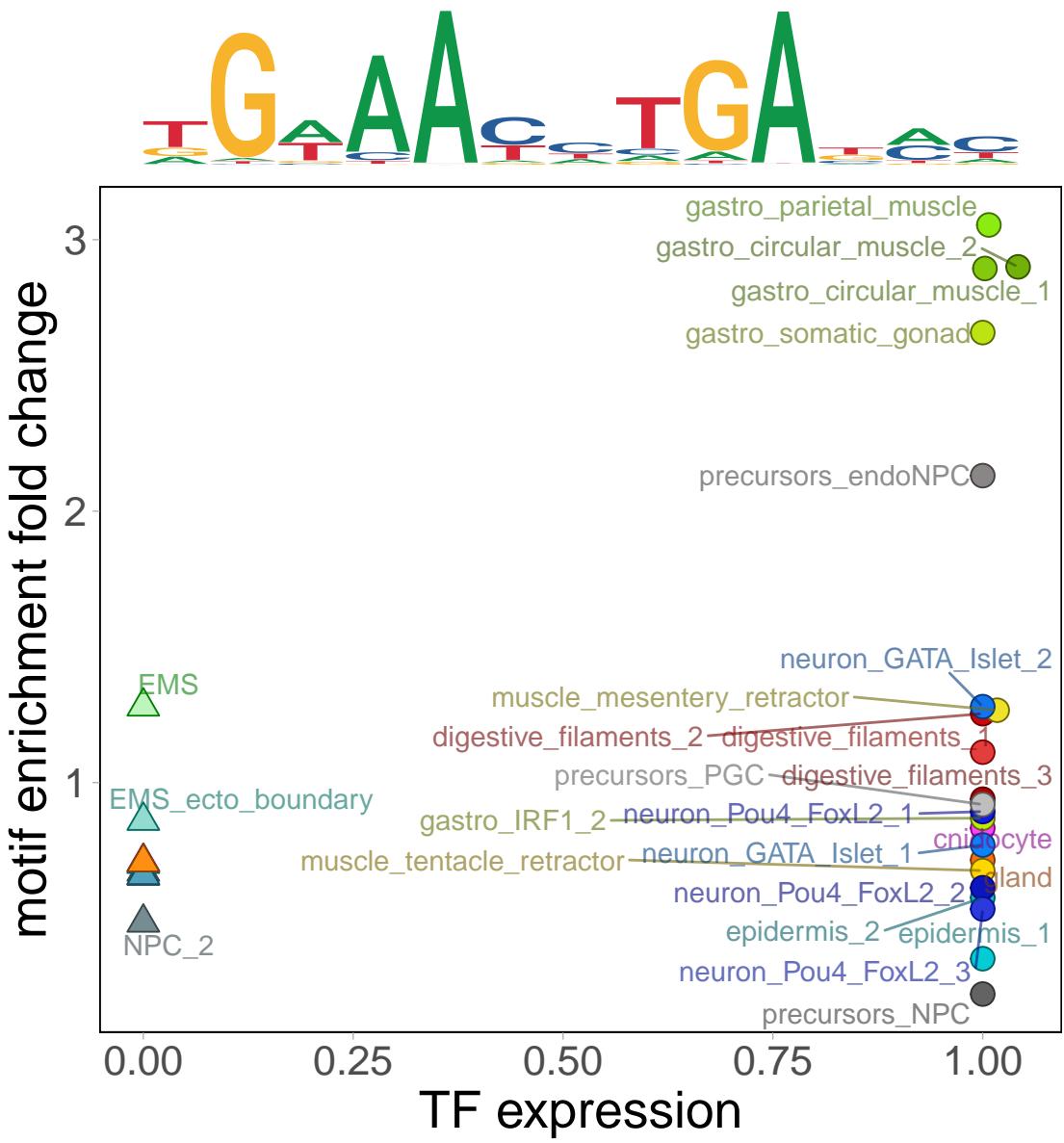
Nvec\_vc1.1\_XM\_032372867.2  
OG: zf-C2H2.HG1.49:like:AC008758.1/  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH1368\_M04483\_2.00\_\_M04  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 85  
gene expression correlation: -0.1566  
gene score correlation: 0.0842



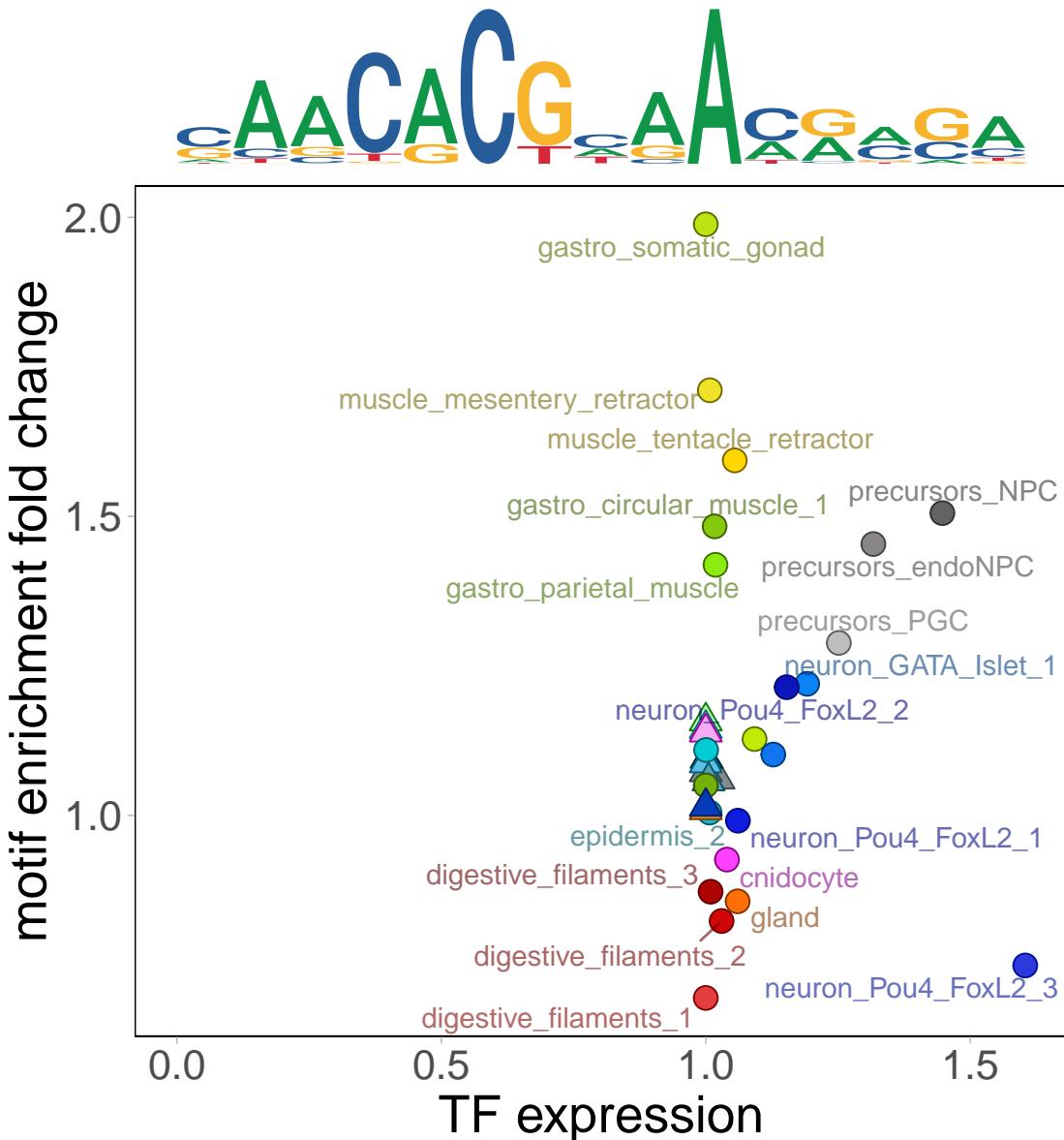
Nvec\_vc1.1\_XM\_032372883.2  
OG: Myb.HG1.10:RCOR1/RCOR2/RCC  
PFAM: ELM2/Myb\_DNA-binding  
motif: ARCH153\_Msantd2\_Rcor1/Rcor2  
TF family: Myb  
archetype family: Myb  
CisBP assigned: TRUE  
rank: 791  
gene expression correlation: 0.2404  
gene score correlation: 0.2059



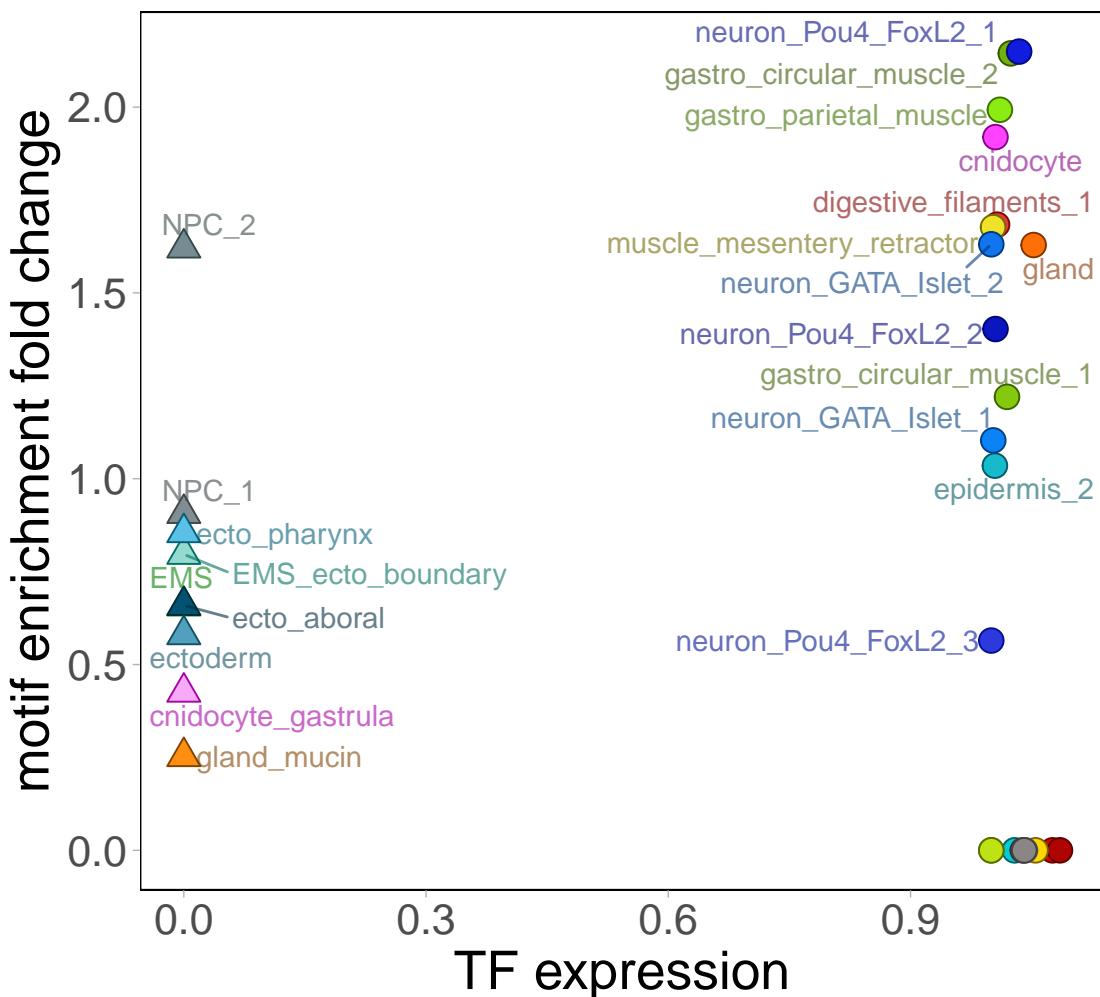
Nvec\_vc1.1\_XM\_032372904.2  
OG: Homeodomains.HG1.27:like:AC004  
PFAM: Homeodomain  
motif: ARCH1362\_Six1/\_Six4/Six5  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 15  
gene expression correlation: 0.3045  
gene score correlation: 0.7123



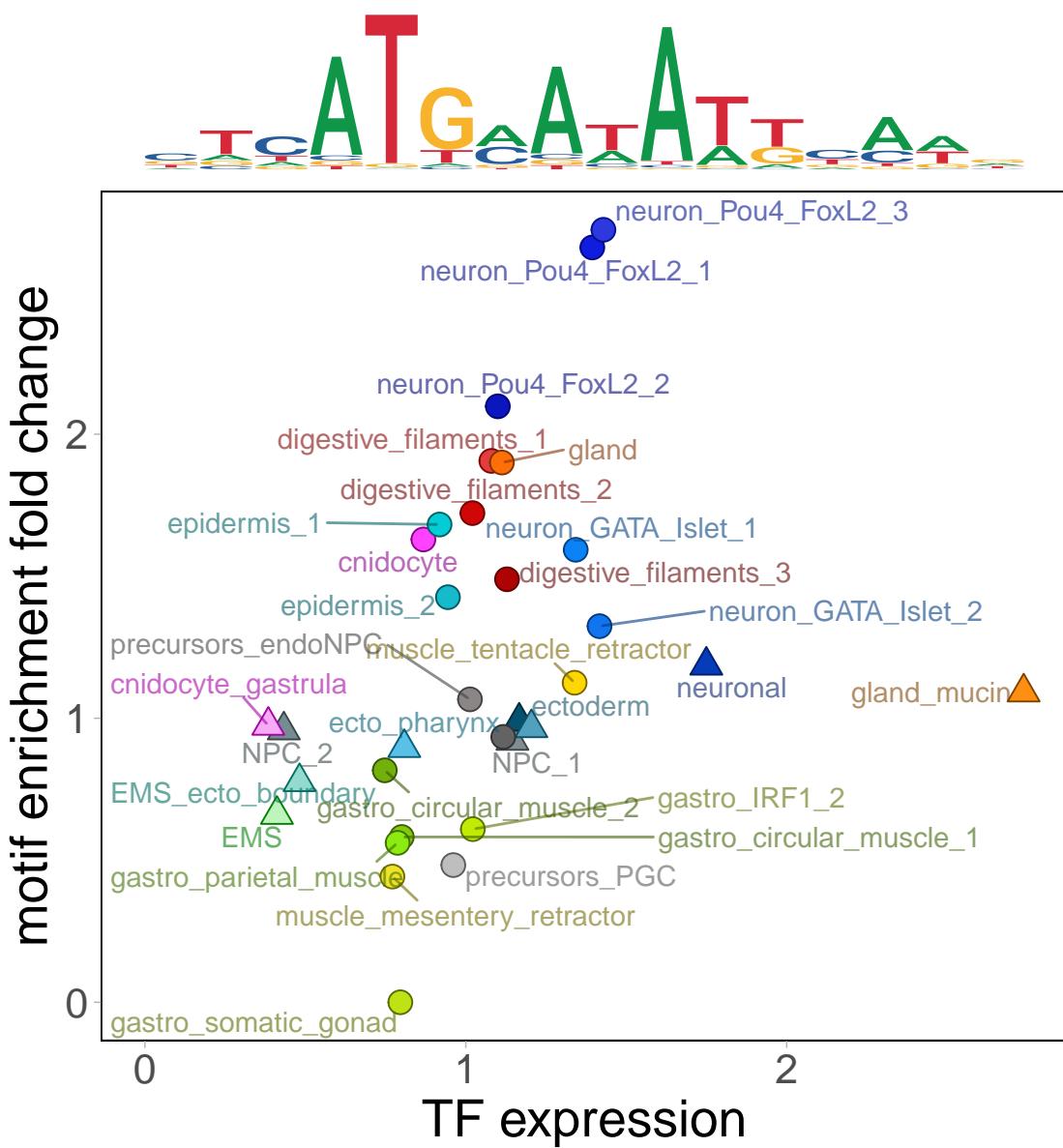
Nvec\_vc1.1\_XM\_032373020.2  
OG: zf-C2H2.HG23.0:ZNF34  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: Fezf2\_250224\_dimont  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.0259  
gene score correlation: 0.1510



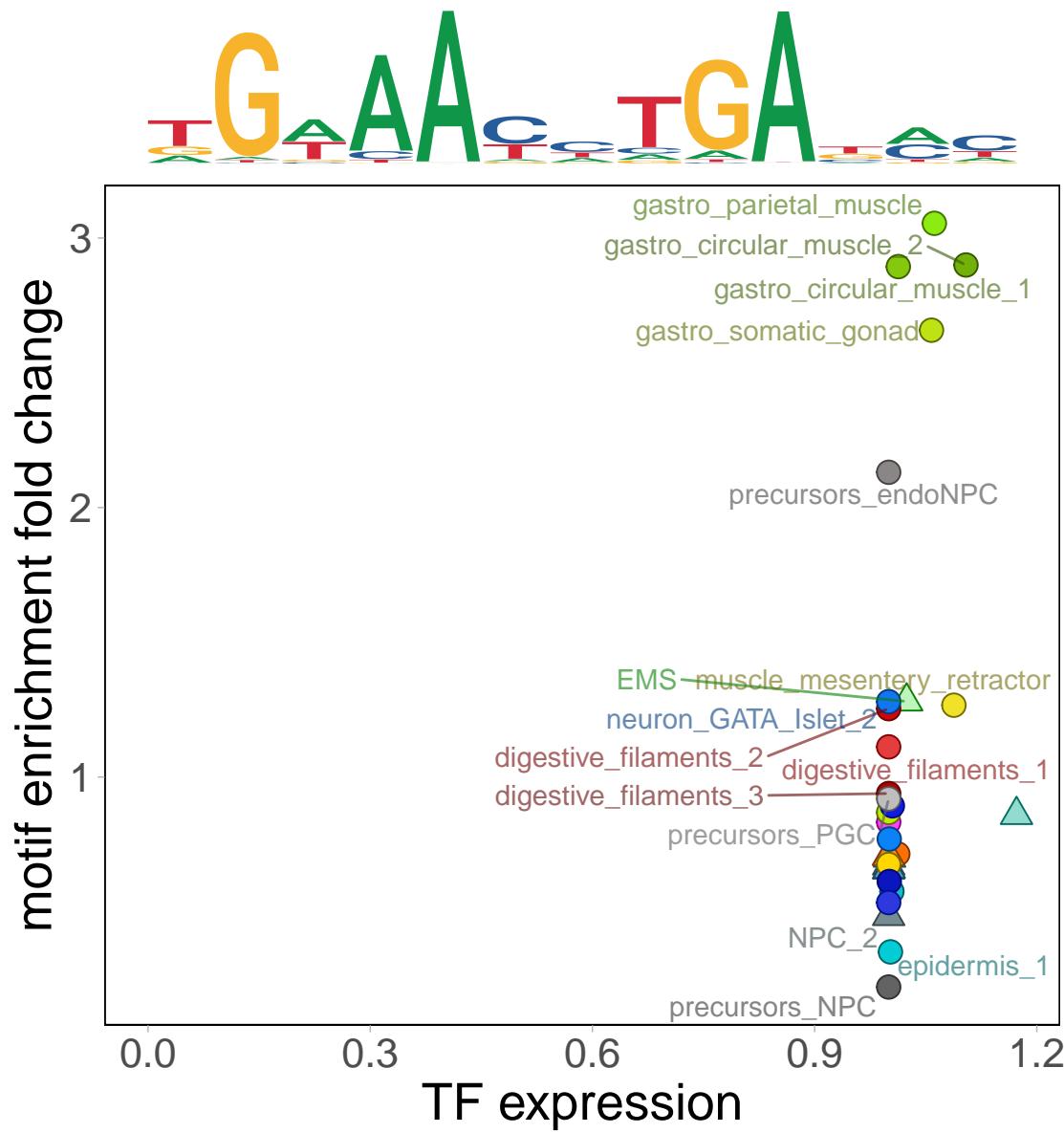
Nvec\_vc1.1\_XM\_032373062.2  
OG: HMGbox\_Sox.HG1.14:like:SOX1/S  
PFAM: HMG\_box  
motif: ARCH142\_/Sox4/Sox11\_Sox13/S  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: TRUE  
rank: 72  
gene expression correlation: 0.0838  
gene score correlation: -0.2898



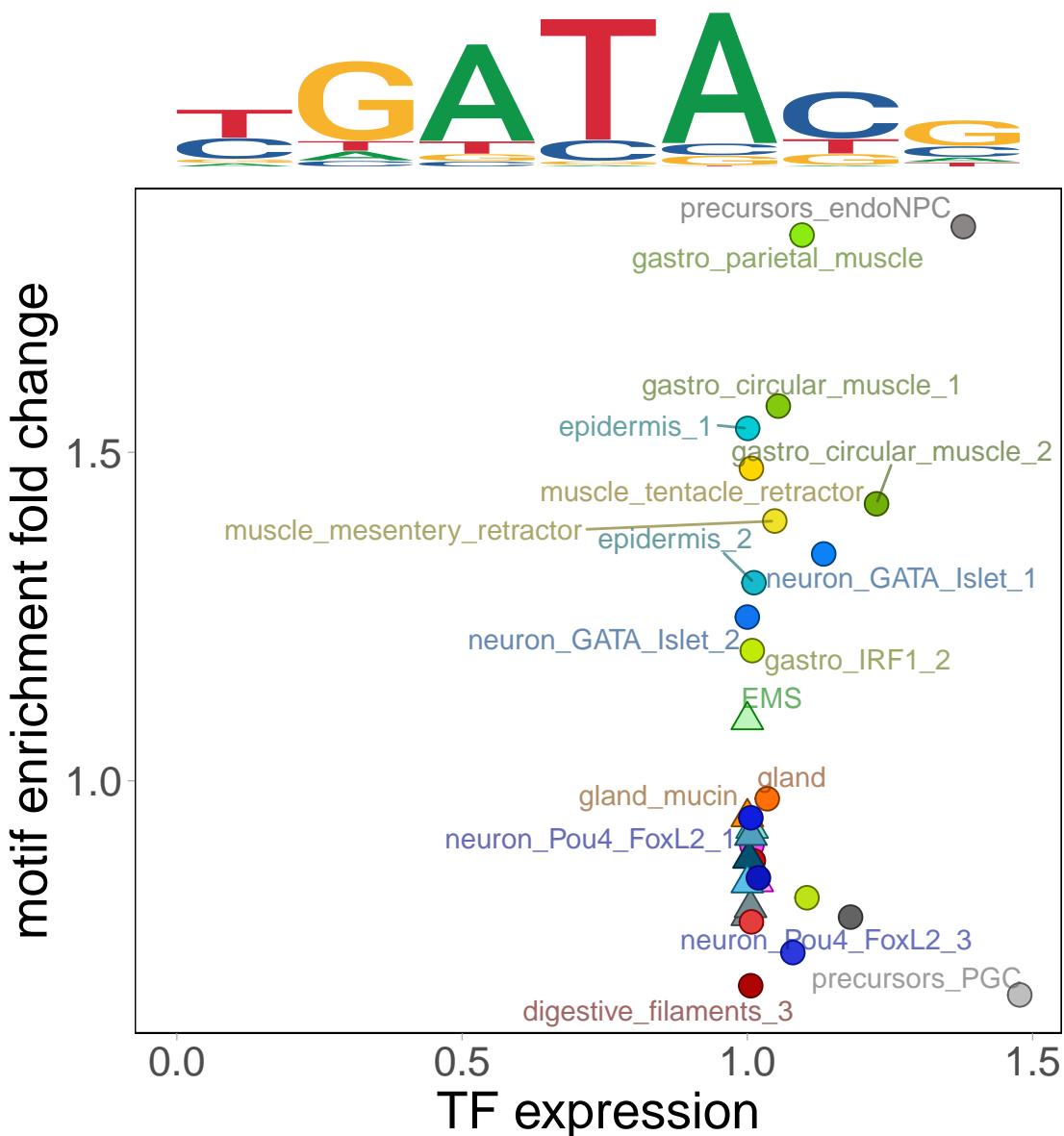
Nvec\_vc1.1\_XM\_032373099.2  
OG: Homeodomains.HG4.10:POU3F1/R  
PFAM: Pou/Homeodomain  
motif: M09227\_2.00  
TF family: Pou/Homeodomain  
archetype family: Pou/Homeodomain  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.3375  
gene score correlation: 0.4987



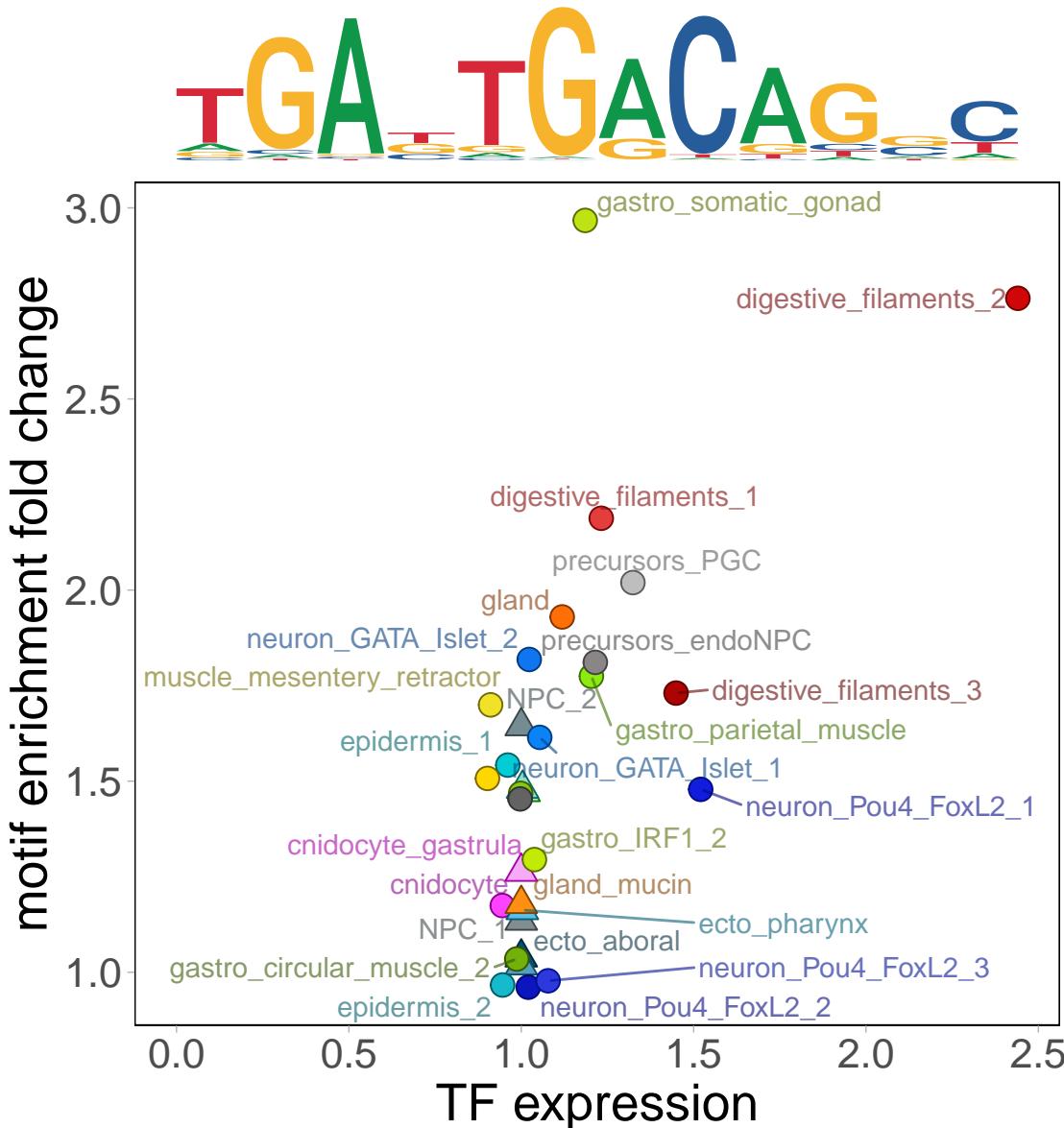
Nvec\_vc1.1\_XM\_032373496.2  
OG: Homeodomains.HG1.64:MEOX1/M  
PFAM: Homeodomain  
motif: ARCH1362\_Six1/\_Six4/Six5  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 17  
gene expression correlation: 0.4189  
gene score correlation: 0.7386



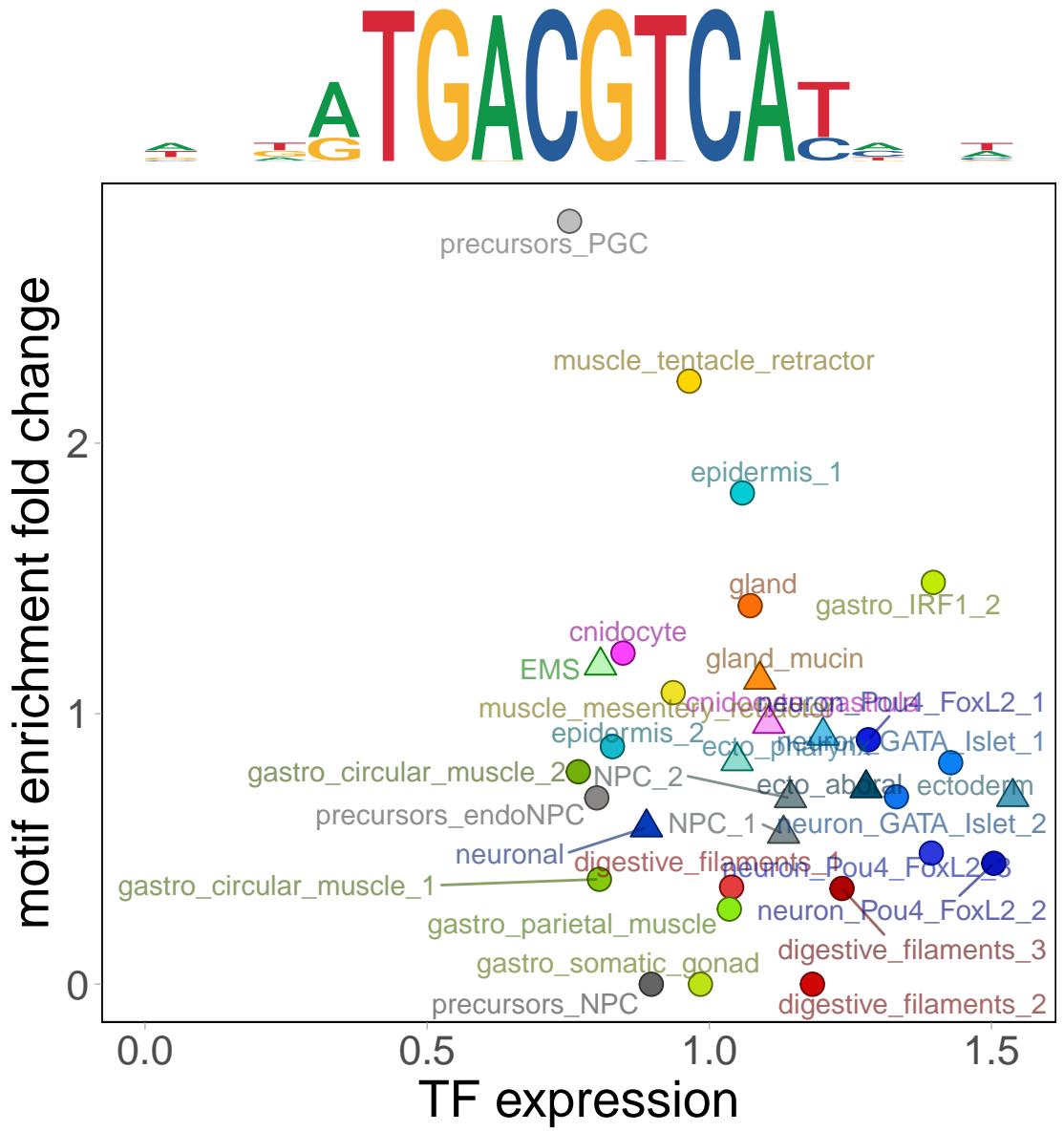
Nvec\_vc1.1\_XM\_032373497.2  
OG: Homeodomains.HG1.63:like:MEOX  
PFAM: Homeodomain  
motif: ARCH637\_Six1/\_Six3/Six6\_Six...  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 4  
gene expression correlation: 0.1853  
gene score correlation: 0.4482



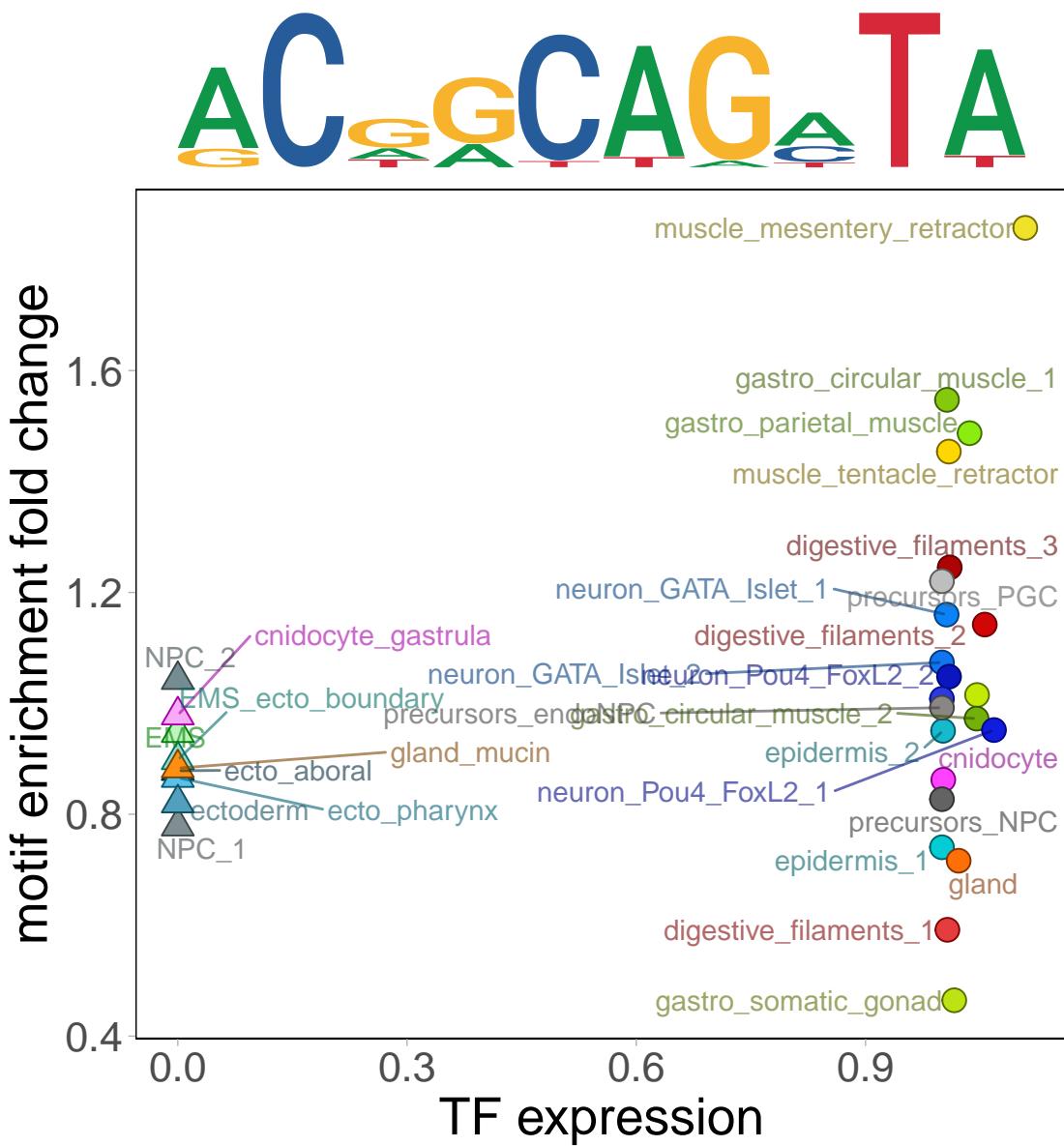
Nvec\_vc1.1\_XM\_032373617.2  
OG: Homeodomains.HG1.19:NKX2-1/N  
PFAM: Homeodomain  
motif: ARCH1502\_Meis3/Meis2/Meis1\_  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 39  
gene expression correlation: 0.6083  
gene score correlation: 0.5730



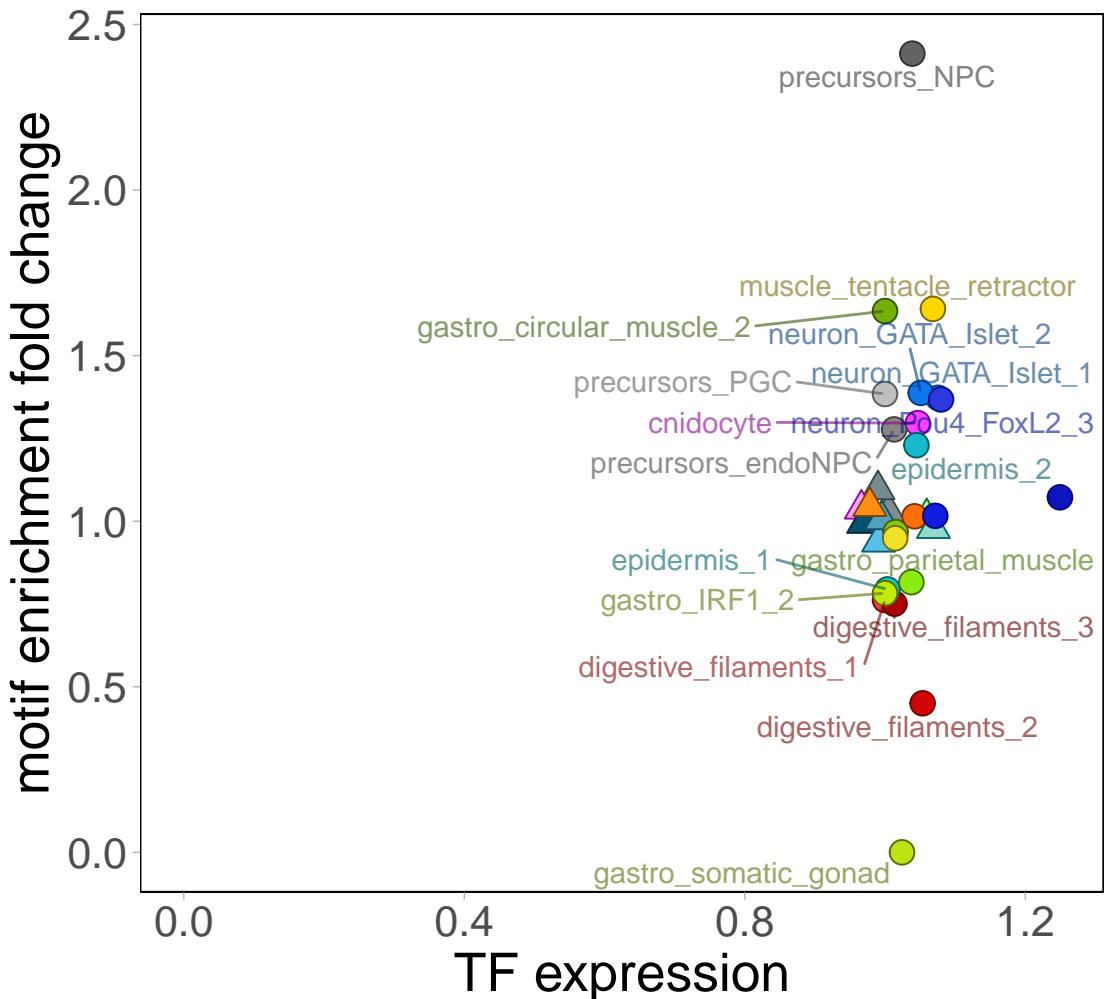
Nvec\_vc1.1\_XM\_032373624.2  
OG: bZIP.HG1.2:BACH1/BACH2/NFE2/  
PFAM: bZIP\_Maf  
motif: Nfe2I2/Nfe2I3/Bach2/Nfe2I1/Nfe2/  
TF family: bZIP  
archetype family: bZIP  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.2146  
gene score correlation: 0.0531



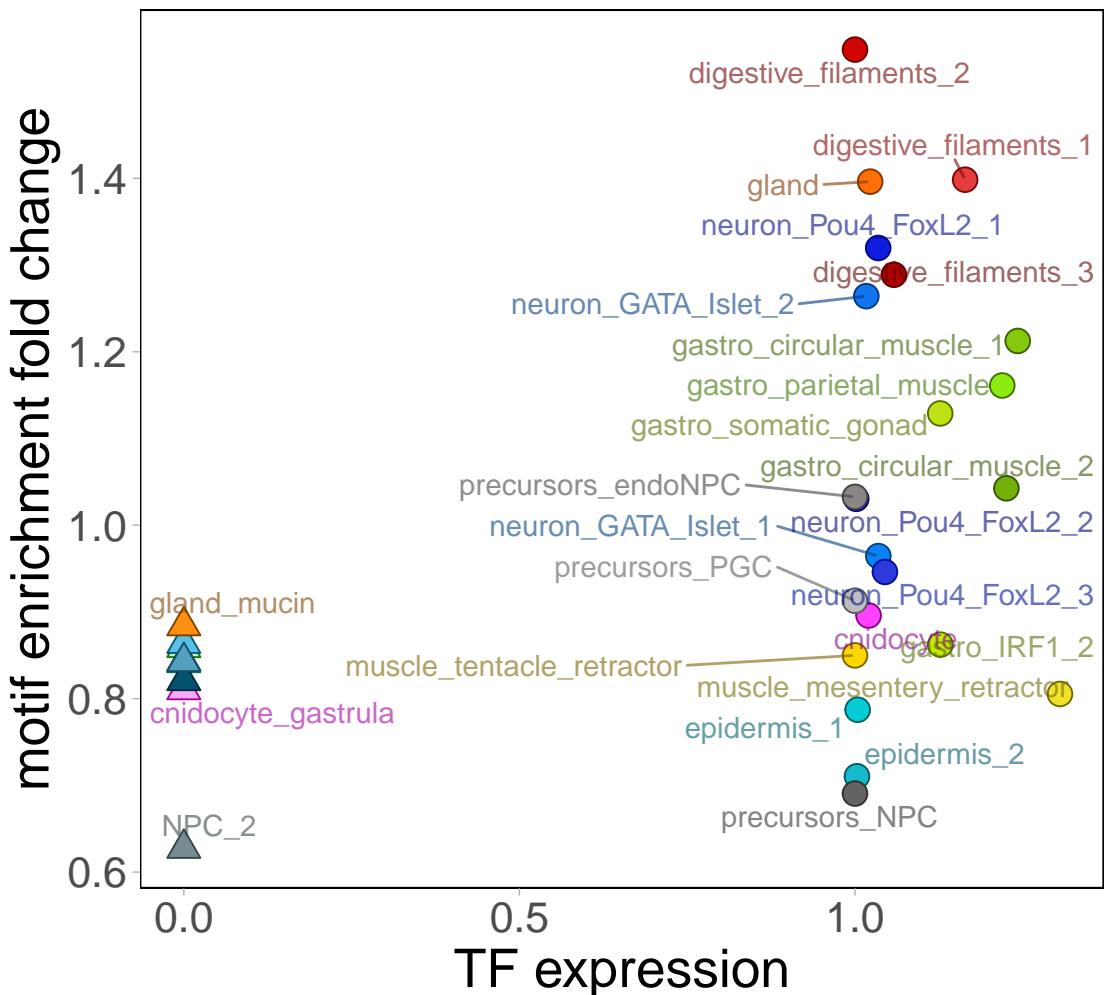
Nvec\_vc1.1\_XM\_032373800.2  
OG: zf-C2H2.HG1.38:like:AC008758.1/  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH866\_ZNF317  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 198  
gene expression correlation: 0.2811  
gene score correlation: 0.2365



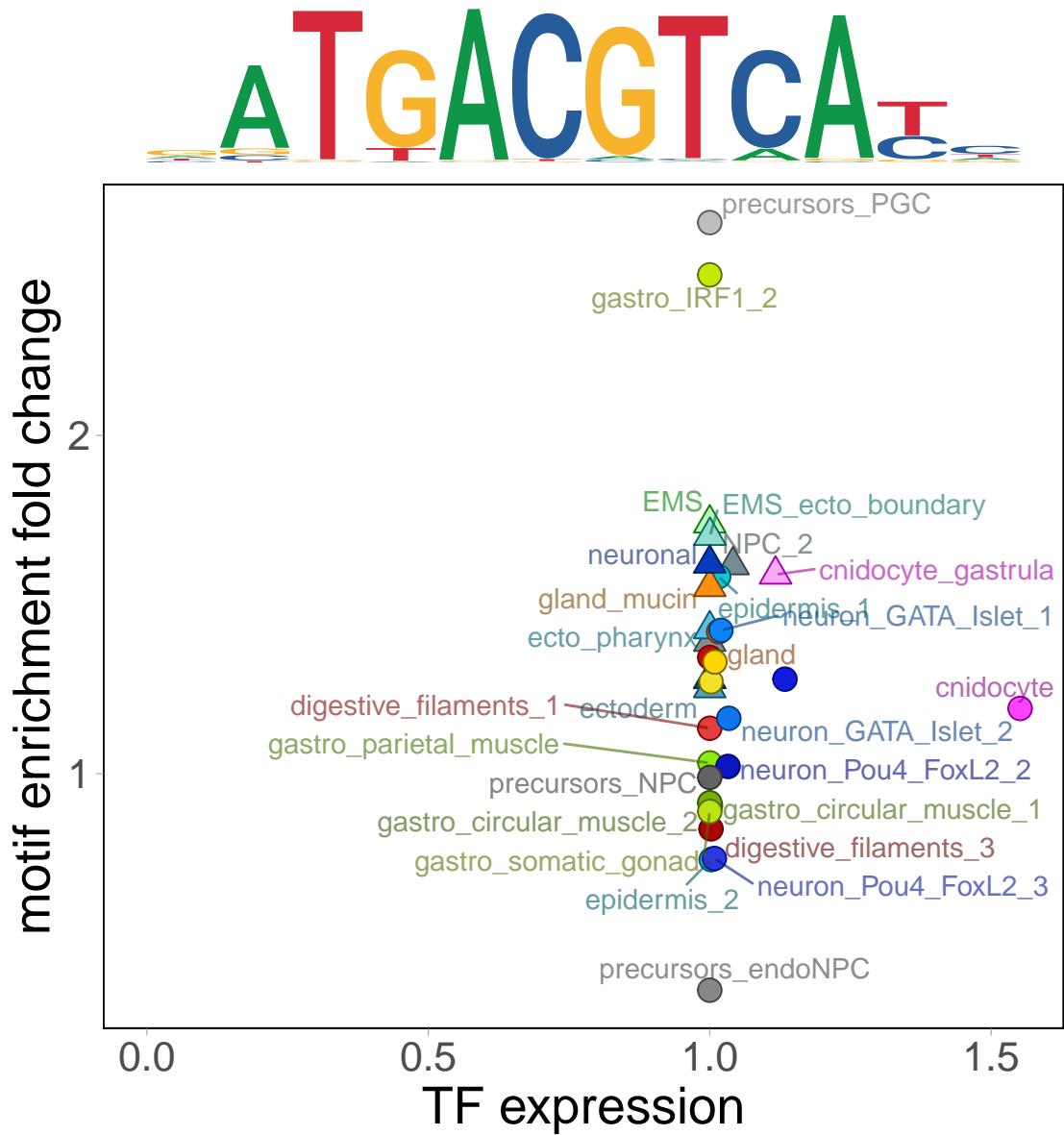
Nvec\_vc1.1\_XM\_032373943.2  
OG: zf-C2H2.HG130.1:NA  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH827\_Vezf1/Maz  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 133  
gene expression correlation: 0.1203  
gene score correlation: 0.2529



Nvec\_vc1.1\_XM\_032374008.2  
OG: HLH.HG1.92:like:SCX/TCF15  
PFAM: HLH  
motif: ARCH1068\_bHLH122  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 260  
gene expression correlation: 0.4731  
gene score correlation: 0.2120



Nvec\_vc1.1\_XM\_032374029.2  
OG: bZIP.HG1.6:JUN/JUNB/JUND  
PFAM: Jun/bZIP\_1  
motif: M04339\_2.00  
TF family: bZIP  
archetype family: bZIP  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.0247  
gene score correlation: -0.0203



## Nvec\_vc1.1\_XM\_032374041.2

OG: Homeodomains.HG2.9:LHX6/LHX8

## PFAM: LIM/LIM/Homeodomain

motif: ARCH316 Alx3/Alx4/Alx1 Barx...

# TF family: Homeodomains

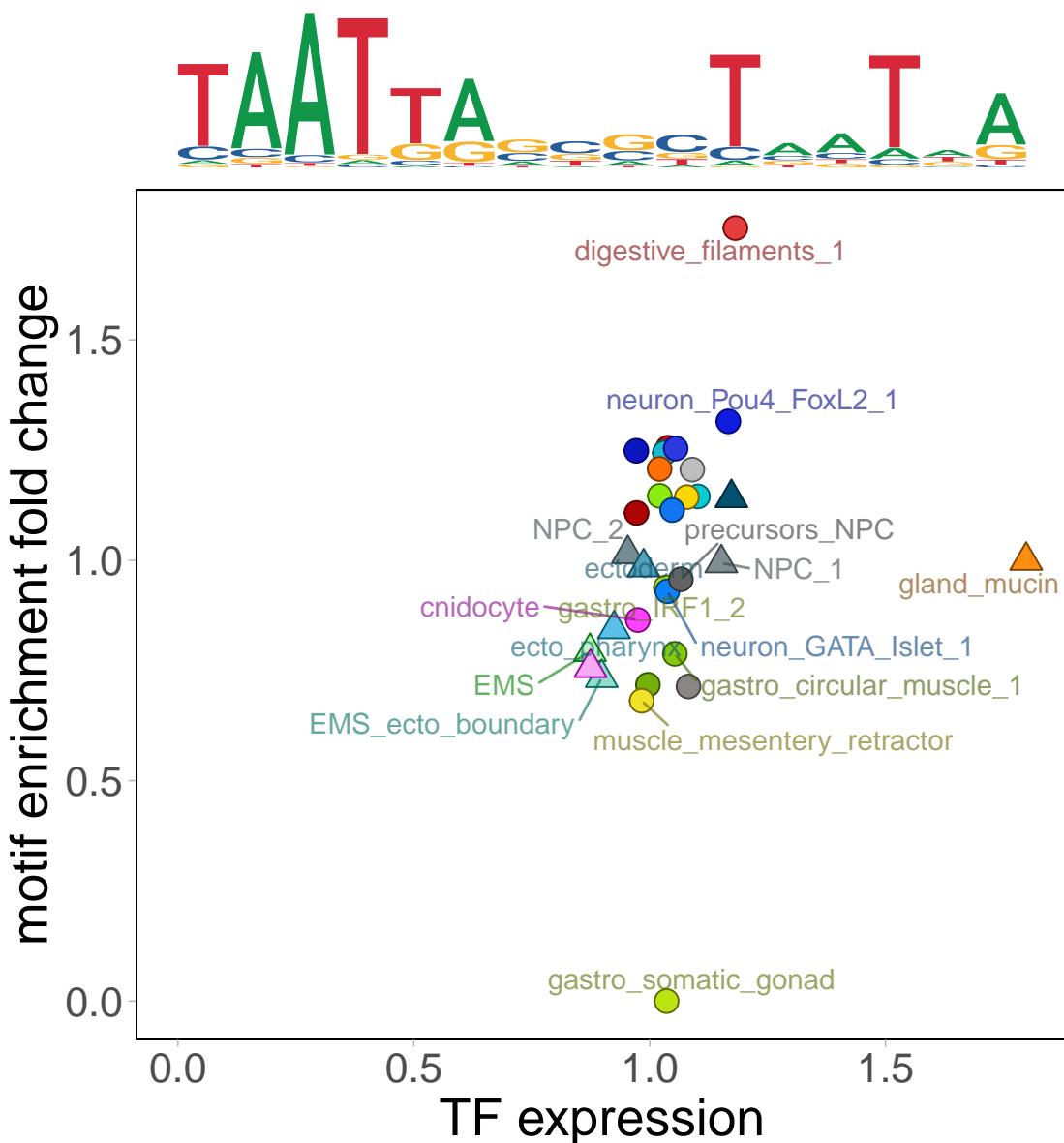
## archetype family: Homeodomains

CisBP assigned: FALSE

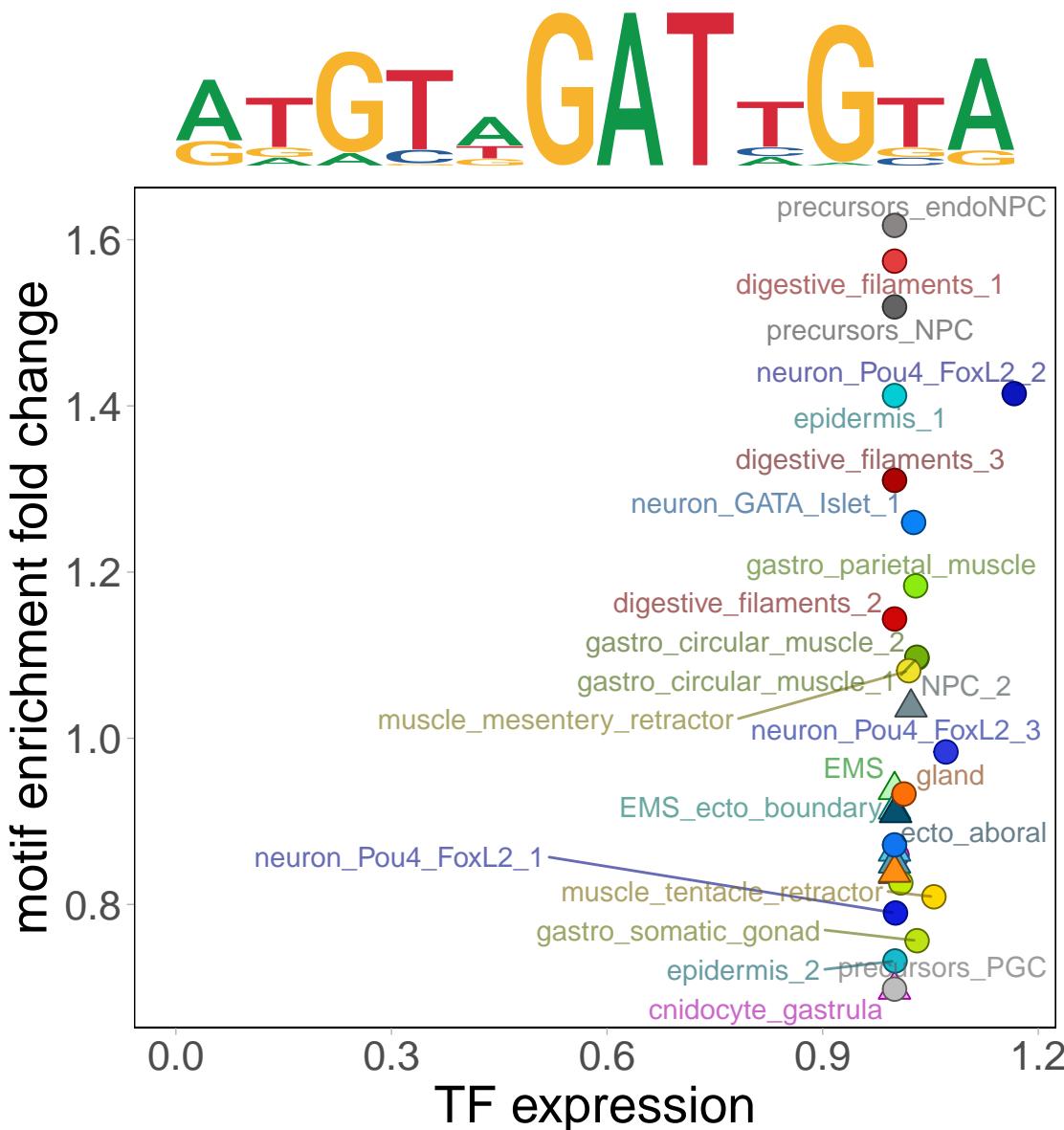
rank: 40

gene expression correlation: 0.2245

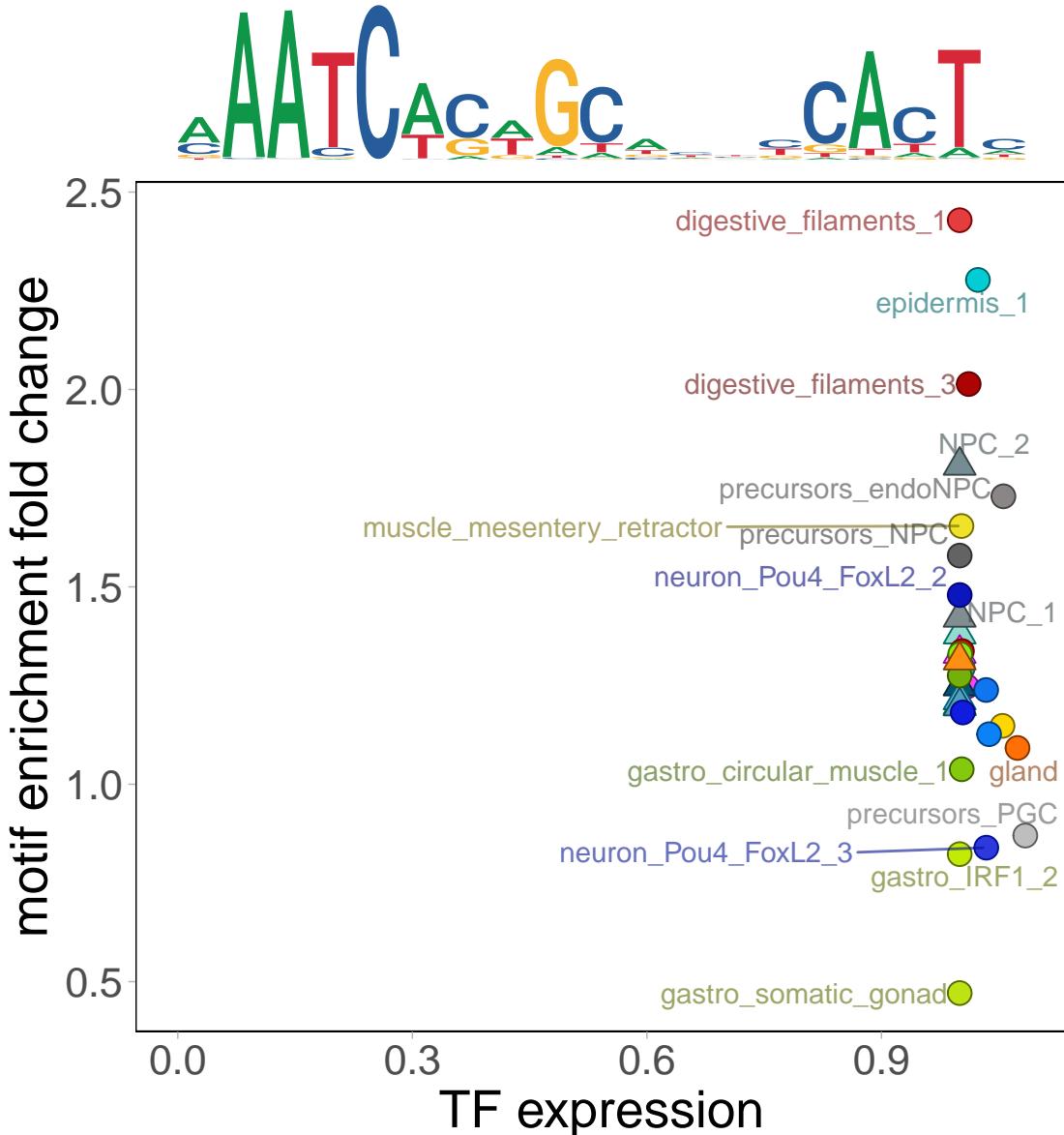
gene score correlation: 0.1147



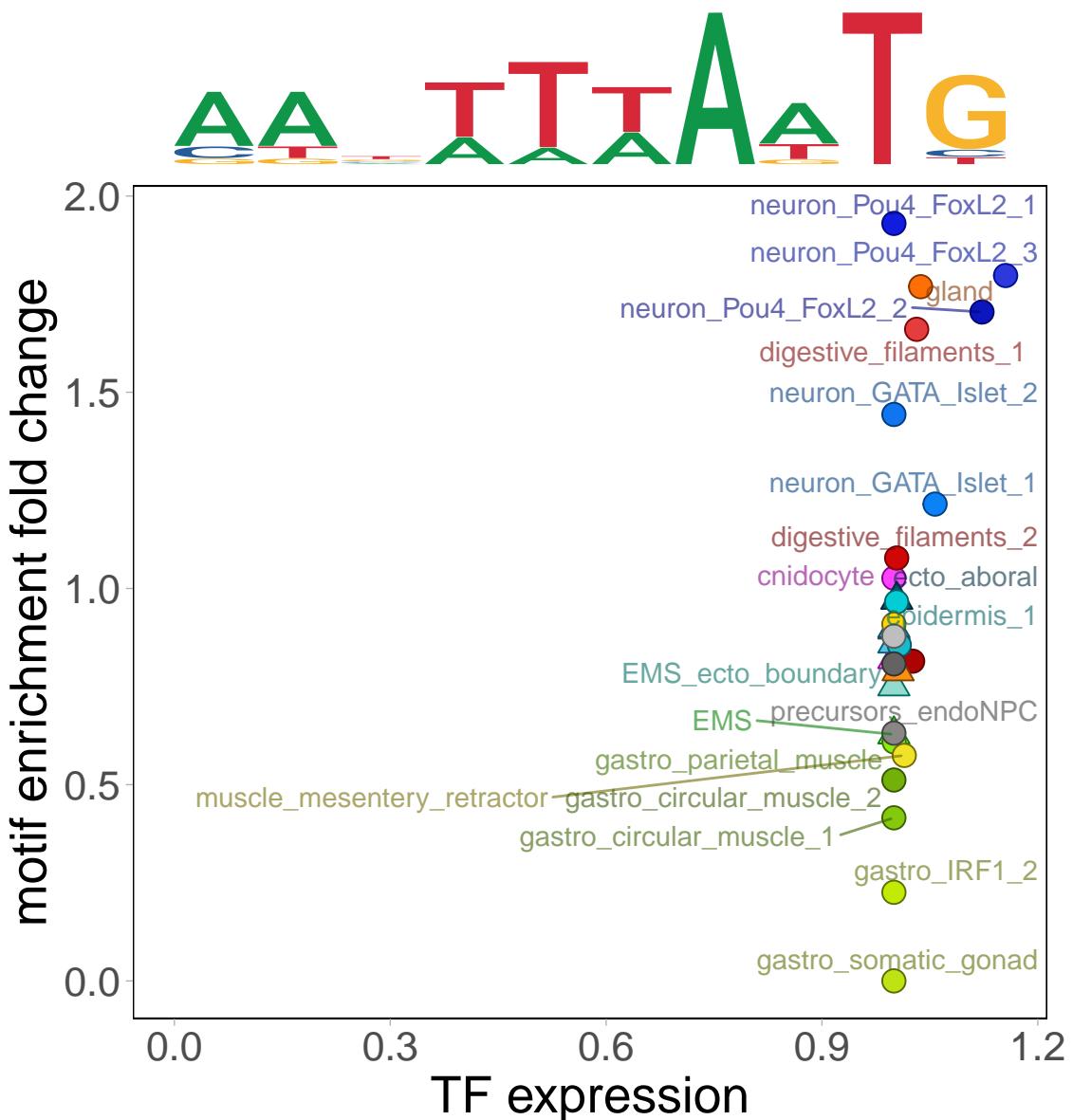
Nvec\_vc1.1\_XM\_032374352.2  
OG: Forkhead.HG1.9:like:FOXN1/FOXN  
PFAM: Forkhead  
motif: ARCH1060\_FOXH1  
TF family: Forkhead  
archetype family: Forkhead  
CisBP assigned: FALSE  
rank: 269  
gene expression correlation: 0.2002  
gene score correlation: 0.1027



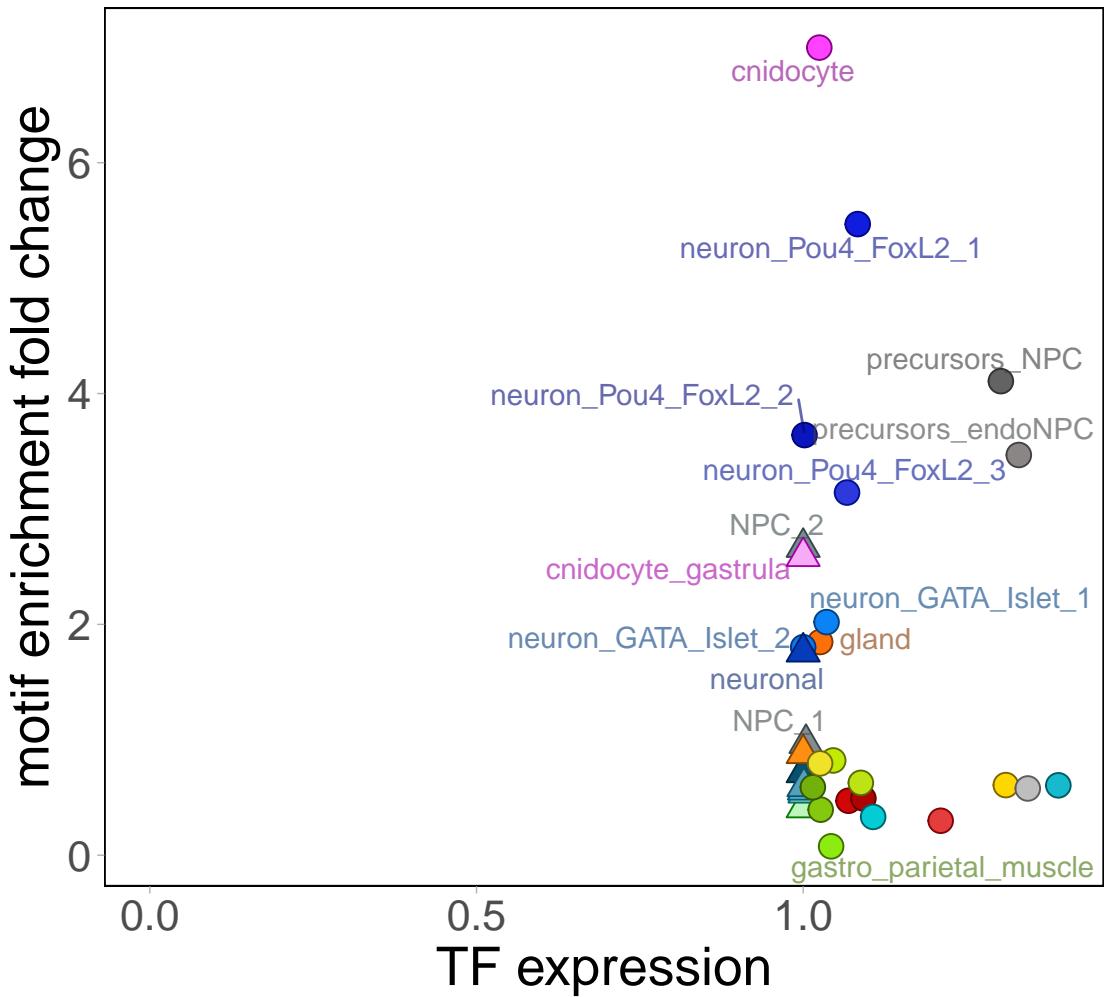
Nvec\_vc1.1\_XM\_032374382.2  
OG: zf-C2H2.HG1.35:FEZF1/FEZF2/G  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: ARCH1345\_Gfi1b/Gfi1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 132  
gene expression correlation: -0.1650  
gene score correlation: 0.3983



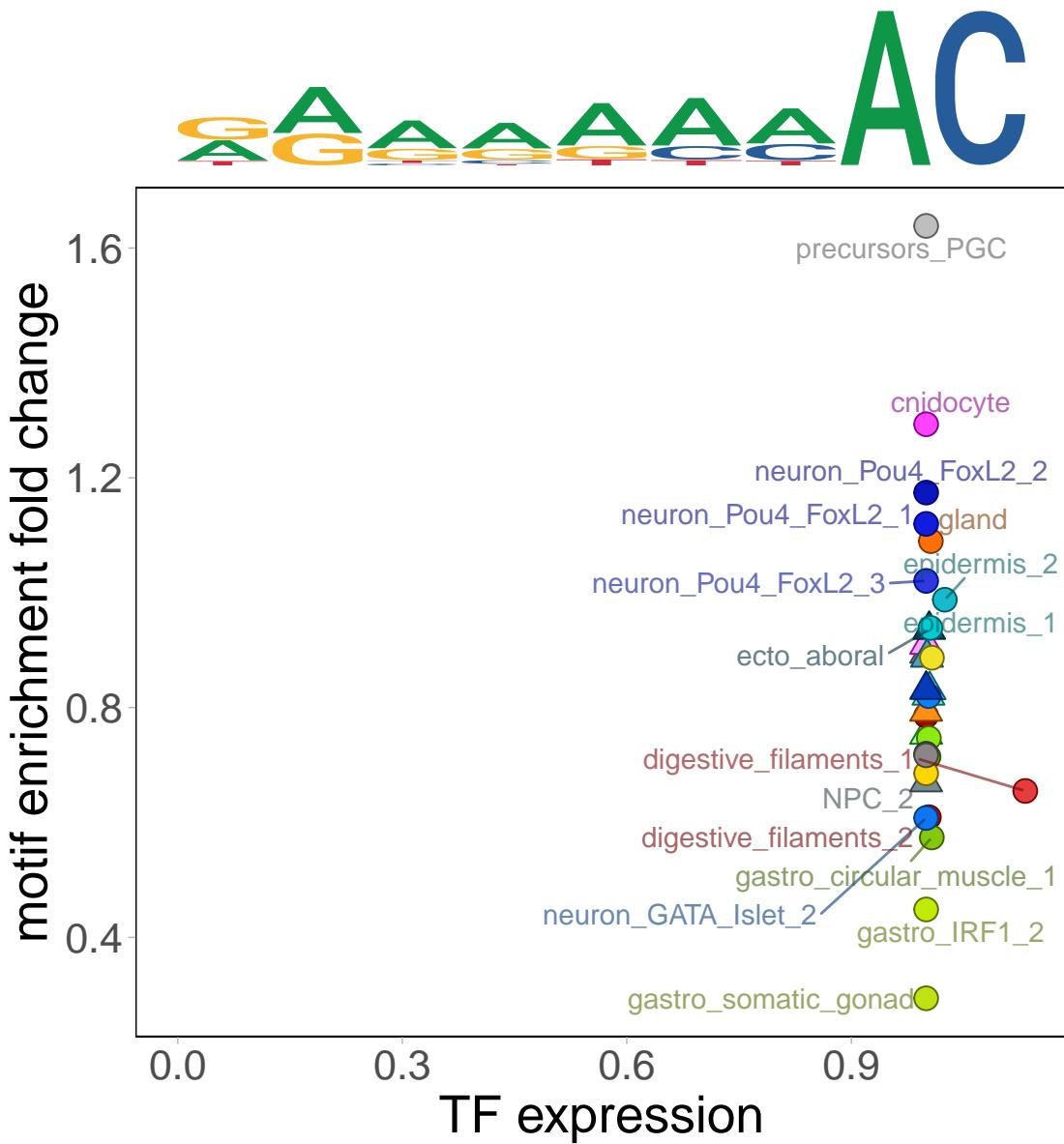
Nvec\_vc1.1\_XM\_032374864.2  
OG: Homeodomains.HG1.21:BARX1/B  
PFAM: Homeodomain  
motif: ARCH52\_Alx3/Alx4/Alx1\_Barx2...  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: TRUE  
rank: 86  
gene expression correlation: 0.5767  
gene score correlation: 0.2144



Nvec\_vc1.1\_XM\_032374977.2  
OG: HLH.HG1.56:TCF23/TCF24  
PFAM: HLH  
motif: M05971\_2.00  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.0141  
gene score correlation: -0.1367

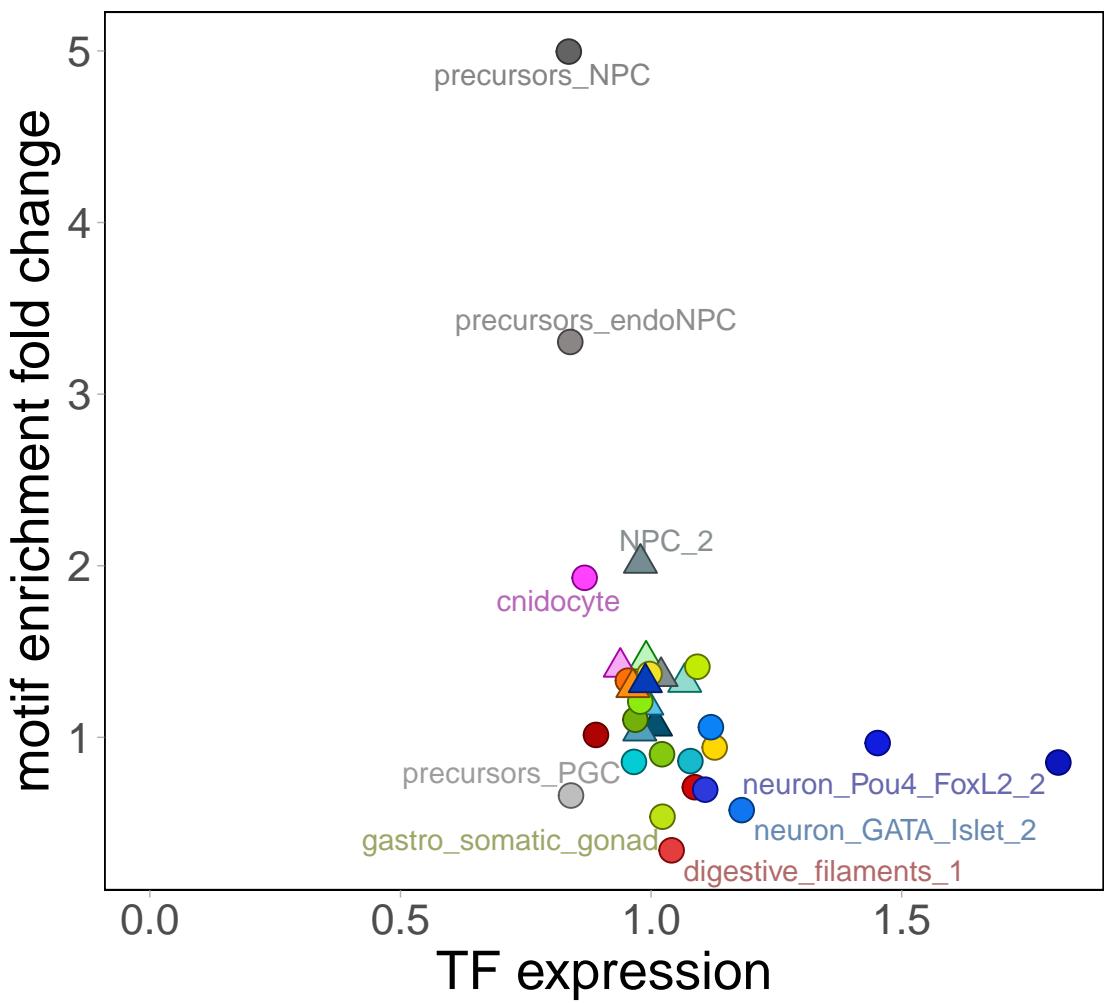


Nvec\_vc1.1\_XM\_032375153.2  
OG: Myb.HG3.1:HSPA14/MSANTD1/MS  
PFAM: Myb\_DNA-bind\_4  
motif: M07562\_2.00  
TF family: Myb  
archetype family: Myb  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.1172  
gene score correlation: 0.3984



Nvec\_vc1.1\_XM\_032375280.2  
OG: HLH.HG1.0:AC019117.4/AHR/AHF  
PFAM: HLH/PAS/PAS\_11  
motif: M05974\_2.00  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.3626  
gene score correlation: 0.3245

C A C G T G T G C



Nvec\_vc1.1\_XM\_032375349.2

OG: HLH.HG1.50:HES3

PFAM: HLH

motif: M01726\_2.00

TF family: HLH

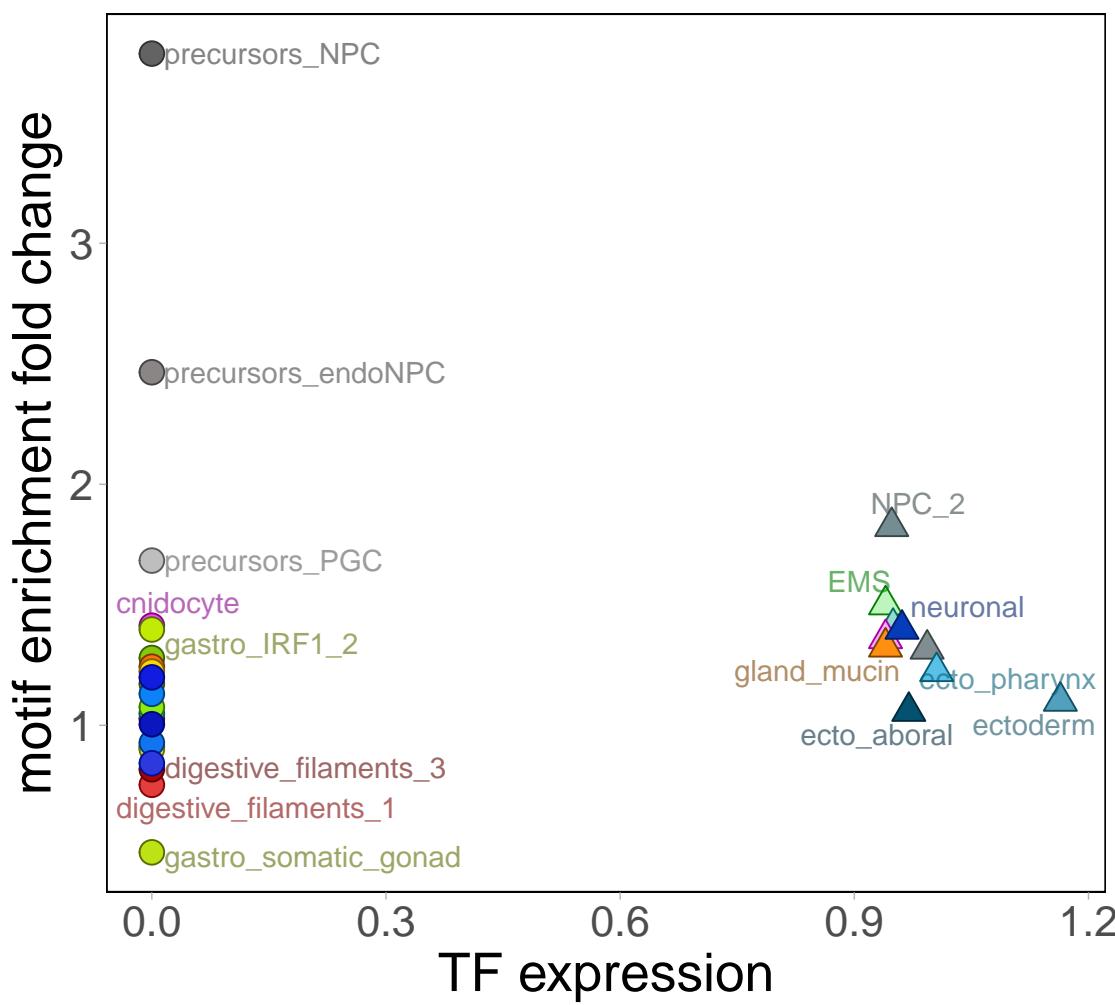
archetype family: HLH

CisBP assigned: FALSE

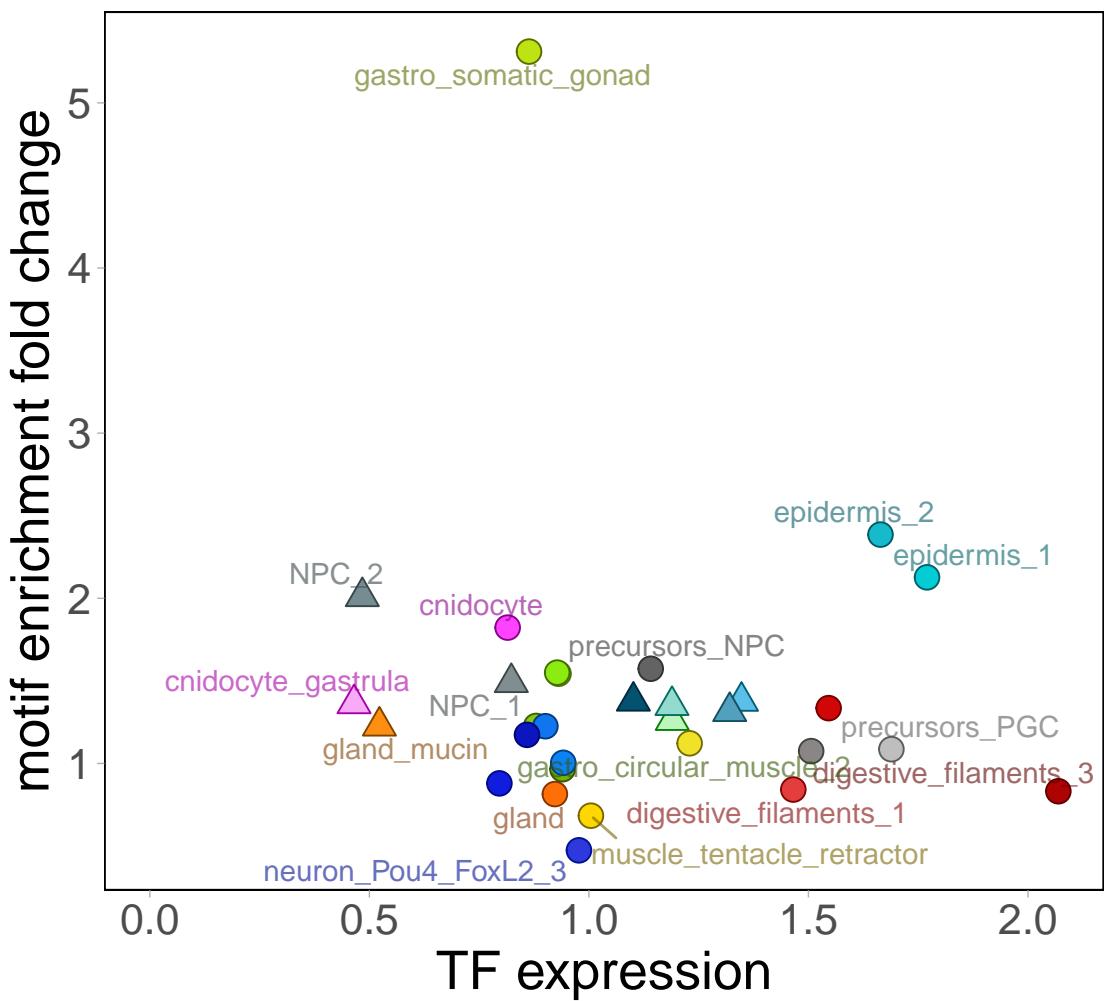
rank: 0

gene expression correlation: 0.0635

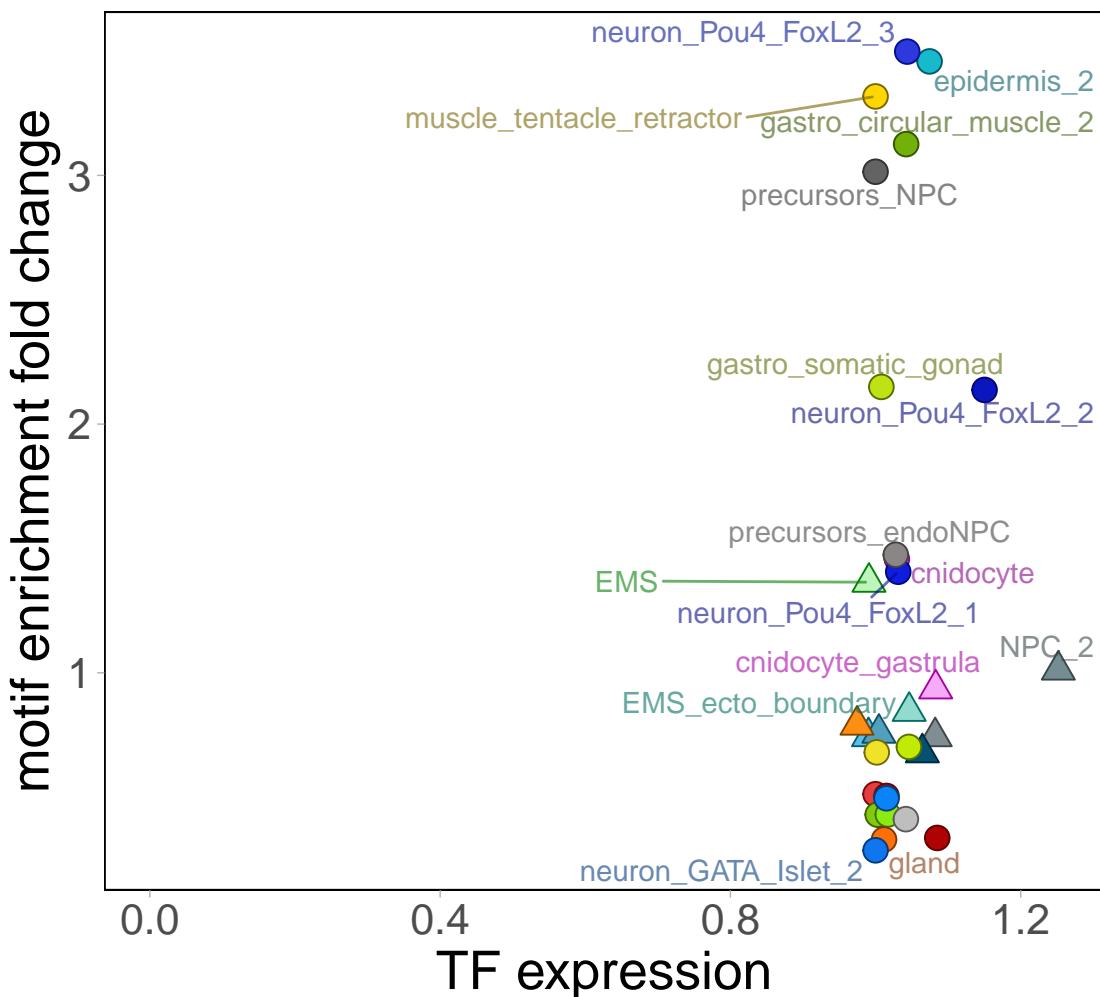
gene score correlation: -0.1586



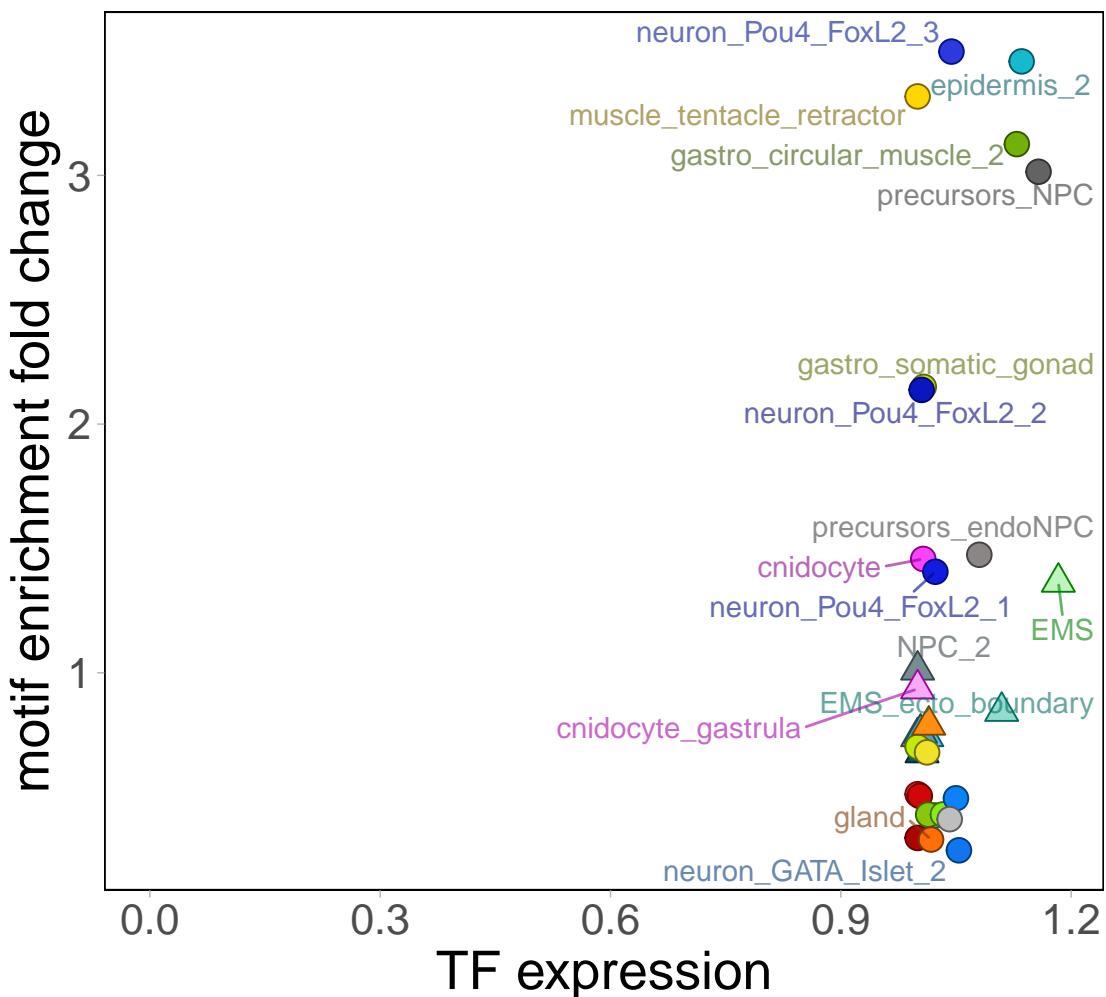
Nvec\_vc1.1\_XM\_032375407.2  
OG: HLH.HG1.29:MYC/MYCL/MYCN  
PFAM: Myc\_N/HLH  
motif: ARCH1533\_BHLH112  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 462  
gene expression correlation: -0.0831  
gene score correlation: 0.0925



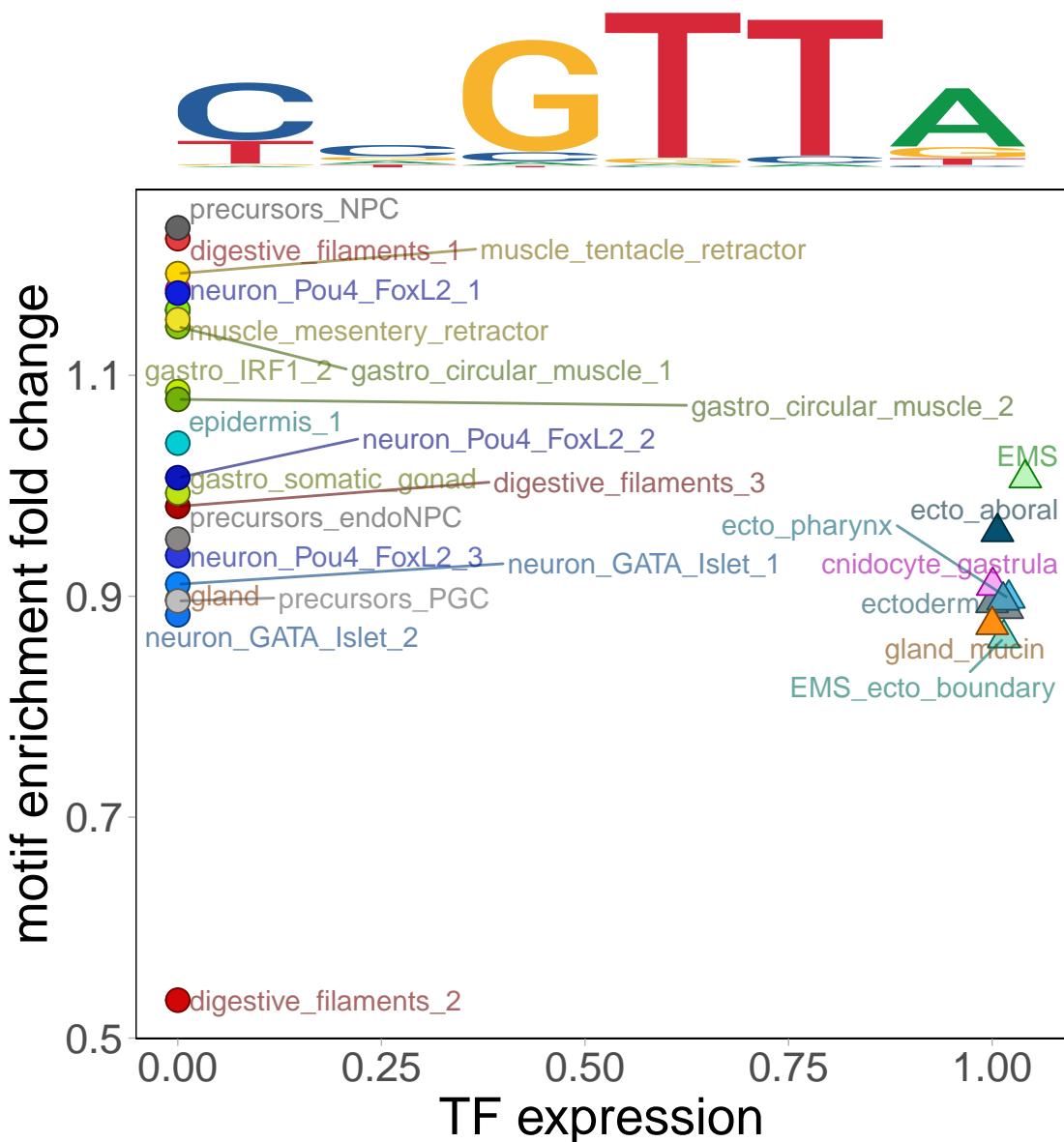
Nvec\_vc1.1\_XM\_032375721.2  
OG: zf-C2H2.HG119.0:NA  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH353\_M06062\_2.00\_\_M064  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 1525  
gene expression correlation: 0.0861  
gene score correlation: -0.2196



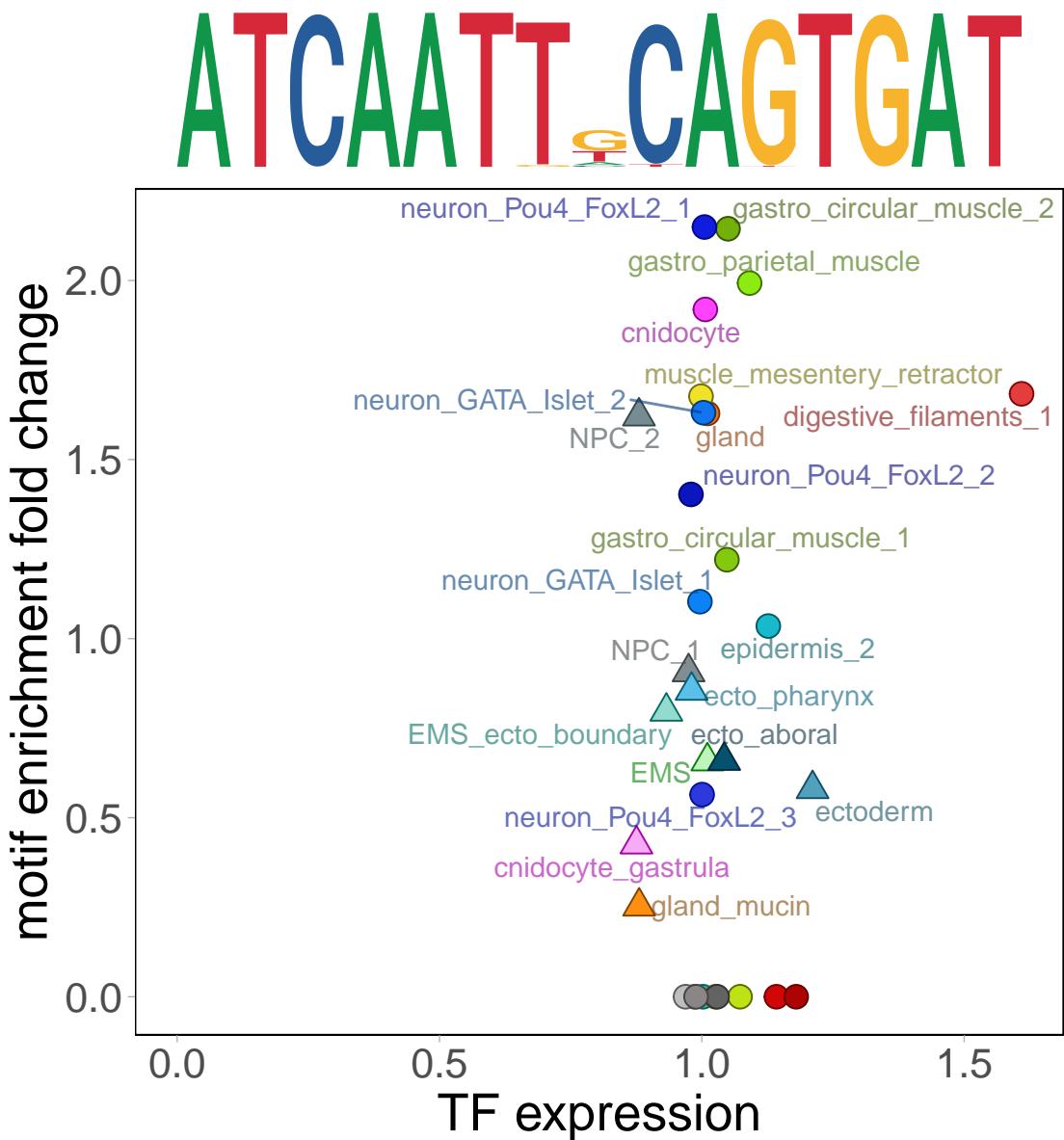
Nvec\_vc1.1\_XM\_032375915.2  
OG: zf-C2H2.HG4.0:like:GLI1/GLI2/GL  
PFAM: zf-C2H2/zf-C2H2  
motif: ARCH353\_M06062\_2.00\_\_M064  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 1  
gene expression correlation: 0.4481  
gene score correlation: 0.6881



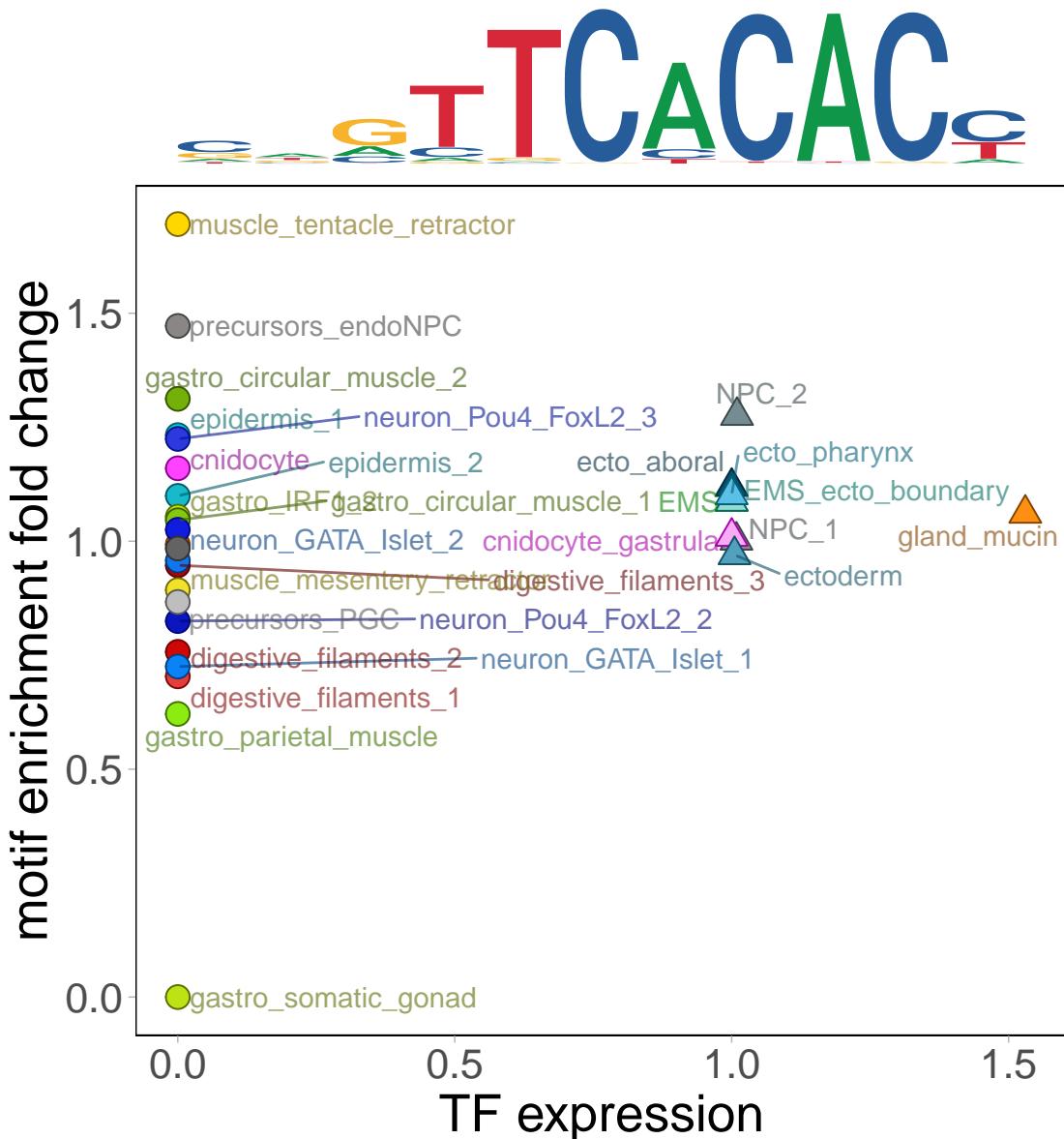
Nvec\_vc1.1\_XM\_032376092.2  
OG: Myb.HG3.0:like:HSPA14/MSANTD  
PFAM: Myb\_DNA-bind\_4  
motif: ARCH1387\_MYB105  
TF family: Myb  
archetype family: Myb  
CisBP assigned: FALSE  
rank: 219  
gene expression correlation: -0.3913  
gene score correlation: -0.3837



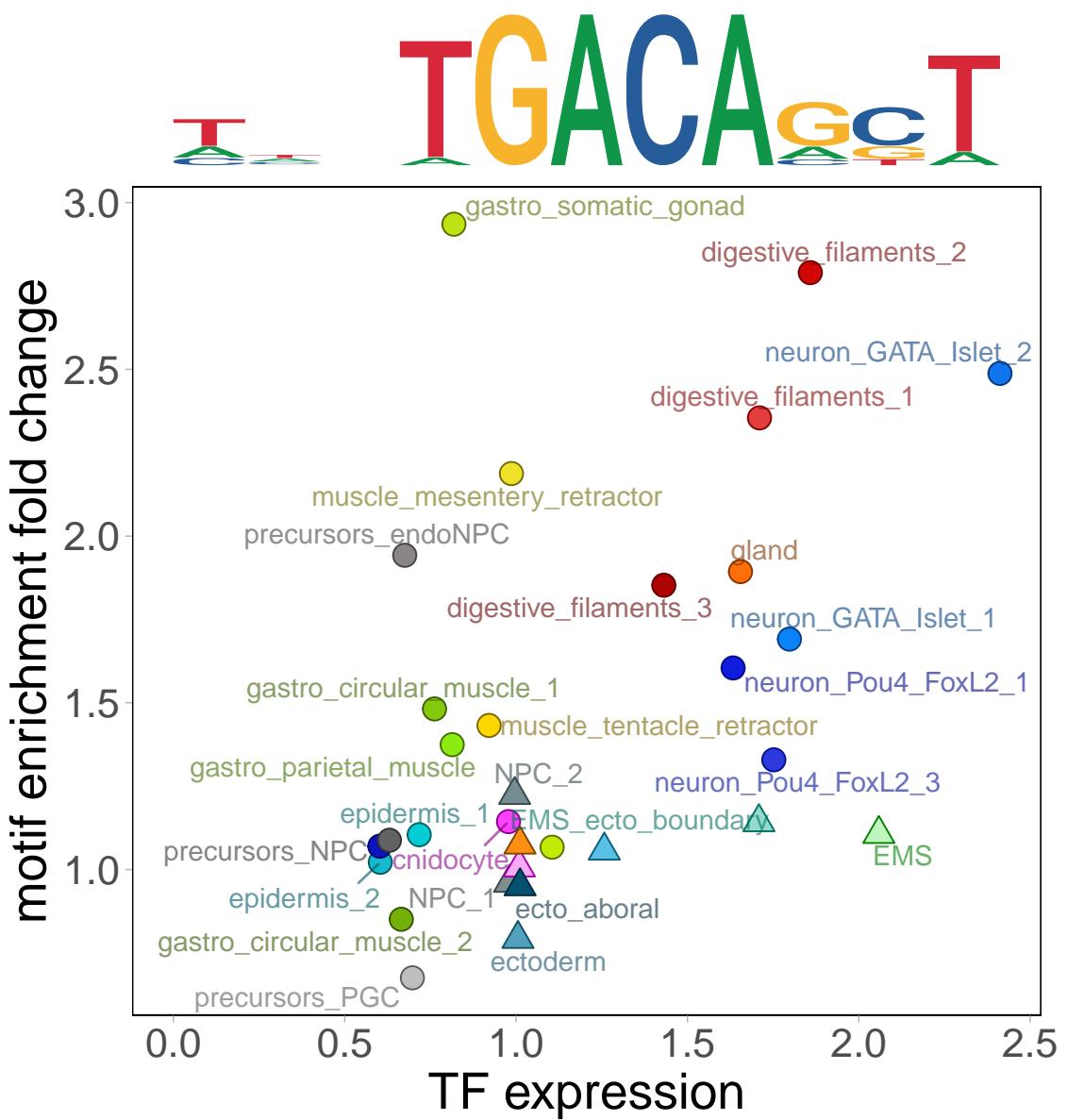
Nvec\_vc1.1\_XM\_032376267.2  
OG: HMGbox\_Sox.HG1.7:HBP1  
PFAM: AXH/HMG\_box  
motif: ARCH142\_Sox4/Sox11\_Sox13/S  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: FALSE  
rank: 3  
gene expression correlation: 0.1148  
gene score correlation: -0.2159



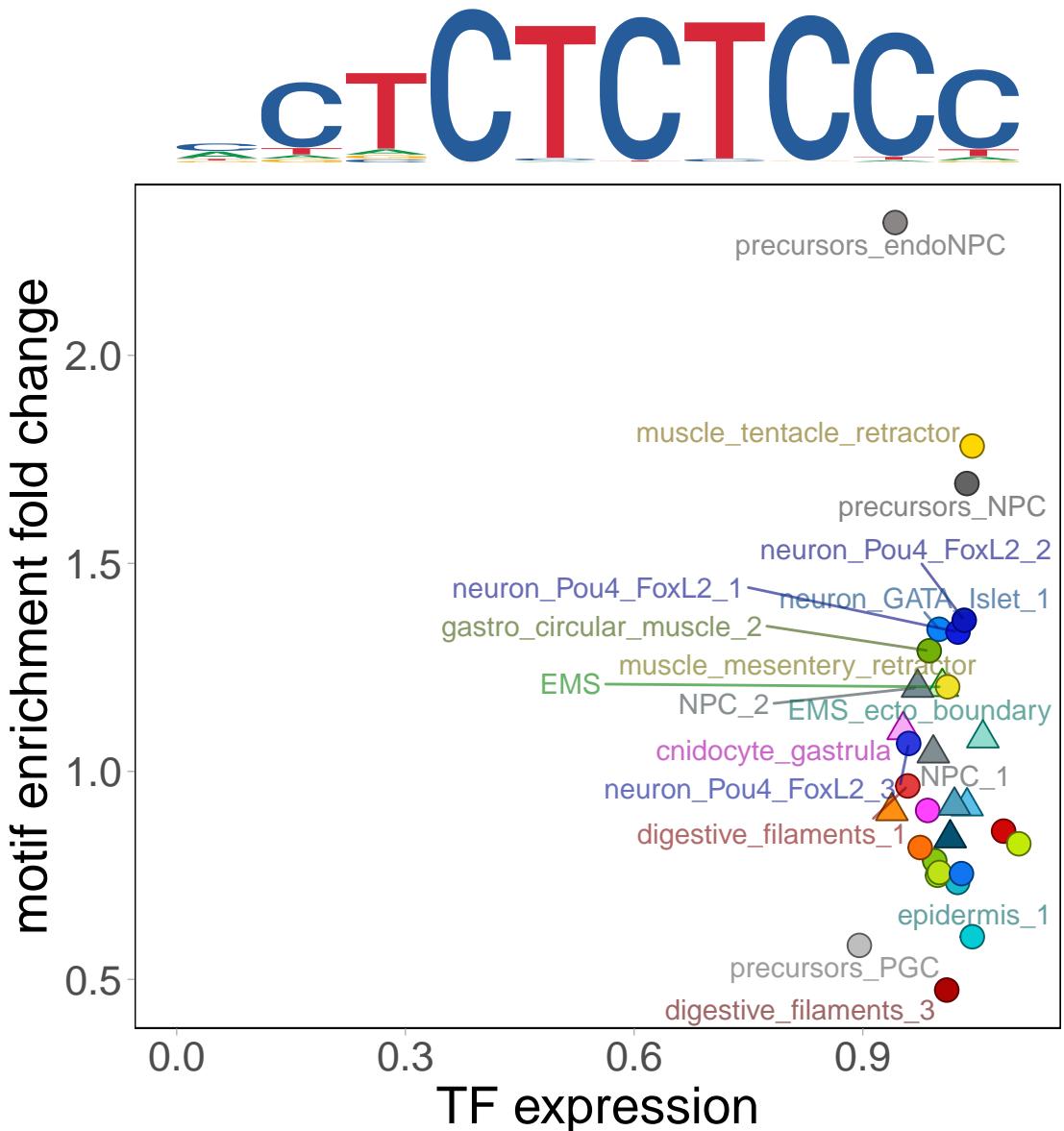
Nvec\_vc1.1\_XM\_032376554.2  
OG: zf-C2H2.HG1.17:like:AC008758.1/  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH836\_M08316\_2.00\_\_M089  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 51  
gene expression correlation: 0.1514  
gene score correlation: 0.1506



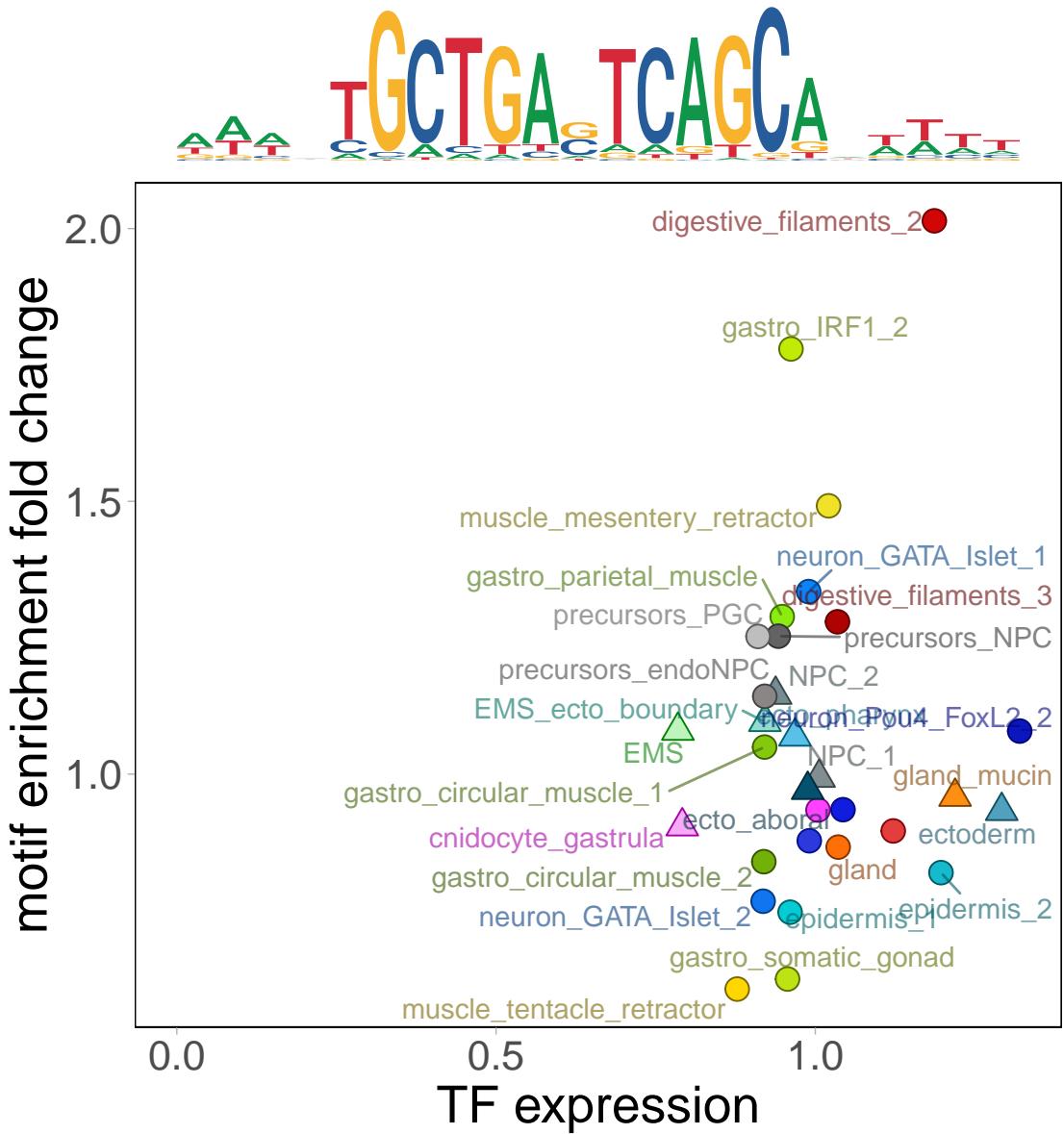
Nvec\_vc1.1\_XM\_032376608.2  
OG: Homeodomains.HG3.20:MEIS1/MEIS2  
PFAM: Meis\_PKNOX\_N/Homeobox\_KN  
motif: ARCH1504\_Meis3/Meis2/Meis1\_1  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: TRUE  
rank: 1  
gene expression correlation: 0.4337  
gene score correlation: 0.7861



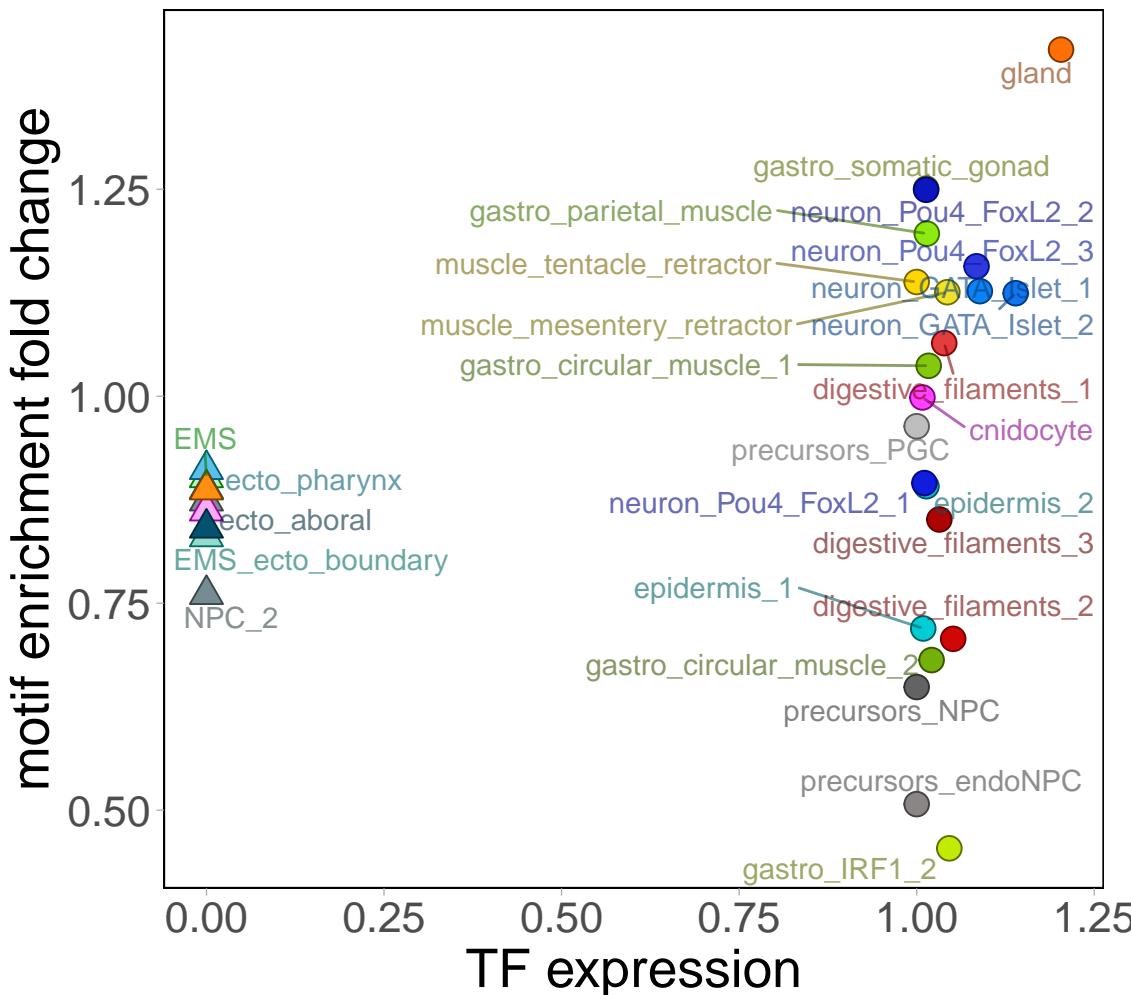
Nvec\_vc1.1\_XM\_032376736.2  
OG: zf-C2H2.HG3.23:like:HINFP/RREB1  
PFAM: zf-C2H2\_6/zf-C2H2/zf-C2H2\_6  
motif: ARCH497\_M03679\_2.00  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 27  
gene expression correlation: -0.0536  
gene score correlation: 0.1066



Nvec\_vc1.1\_XM\_032376926.2  
OG: bZIP.HG3.2:like:MAF/MAFA/MAFB  
PFAM: bZIP\_Maf  
motif: ARCH1281\_Cic\_Hbp1\_Sox13/SO  
TF family: bZIP  
archetype family: bZIP  
CisBP assigned: TRUE  
rank: 819  
gene expression correlation: 0.1160  
gene score correlation: 0.2283



Nvec\_vc1.1\_XM\_032376930.1  
OG: zf-C2H2.HG130.0:NA  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH1201\_Gfi1b/Gfi1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 170  
gene expression correlation: 0.2496  
gene score correlation: -0.0088



## Nvec\_vc1.1\_XM\_032376939.2

# OG: Homeodomains.HG2.15:LEUTX

# PFAM: CUT/Homeodomain/Homeodom

motif: ARCH1546 Meis3/Meis2/Meis1

## TF family: Homeodomains

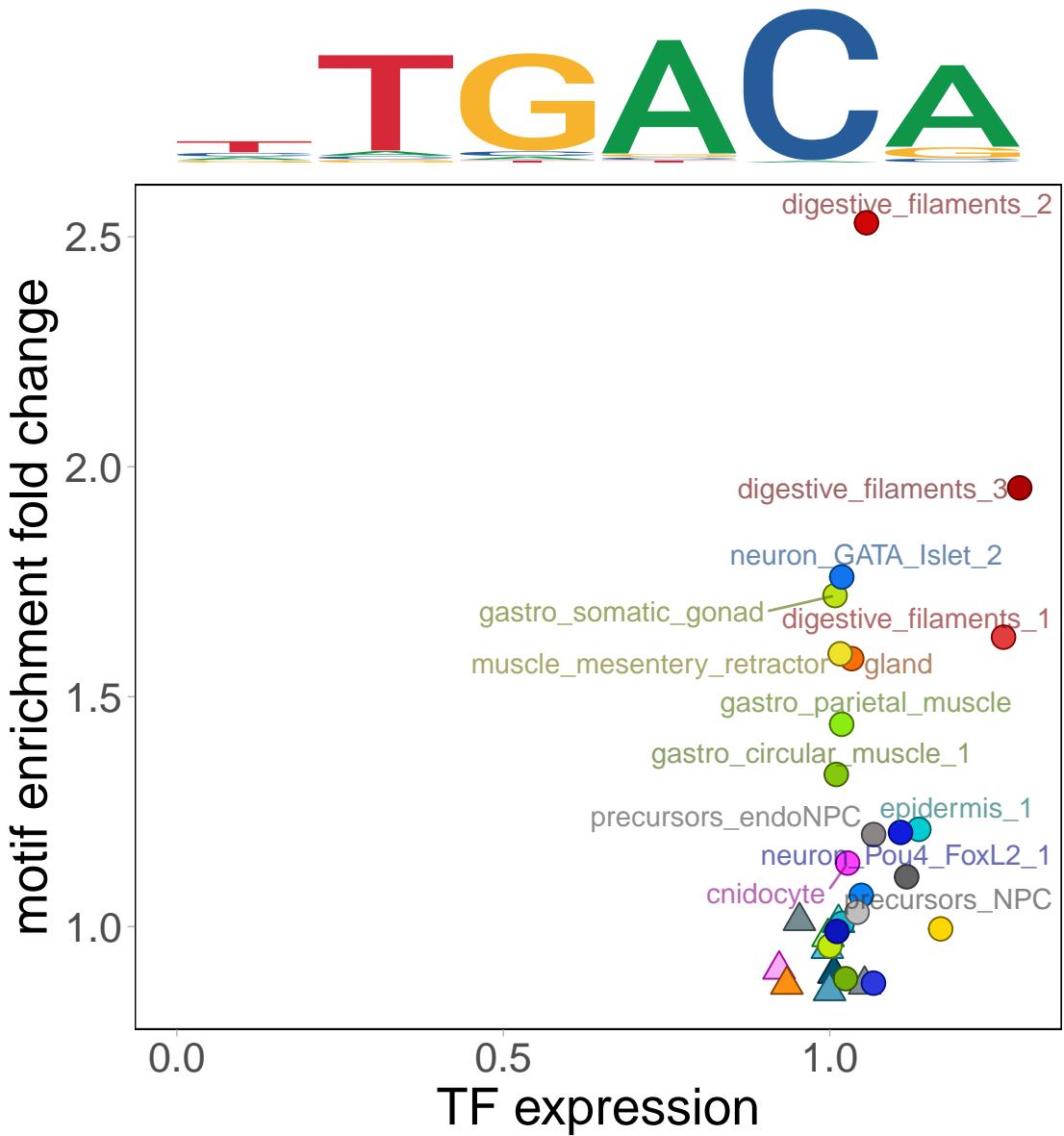
archetype family: Homeodomains

CisBP assigned: FALSE

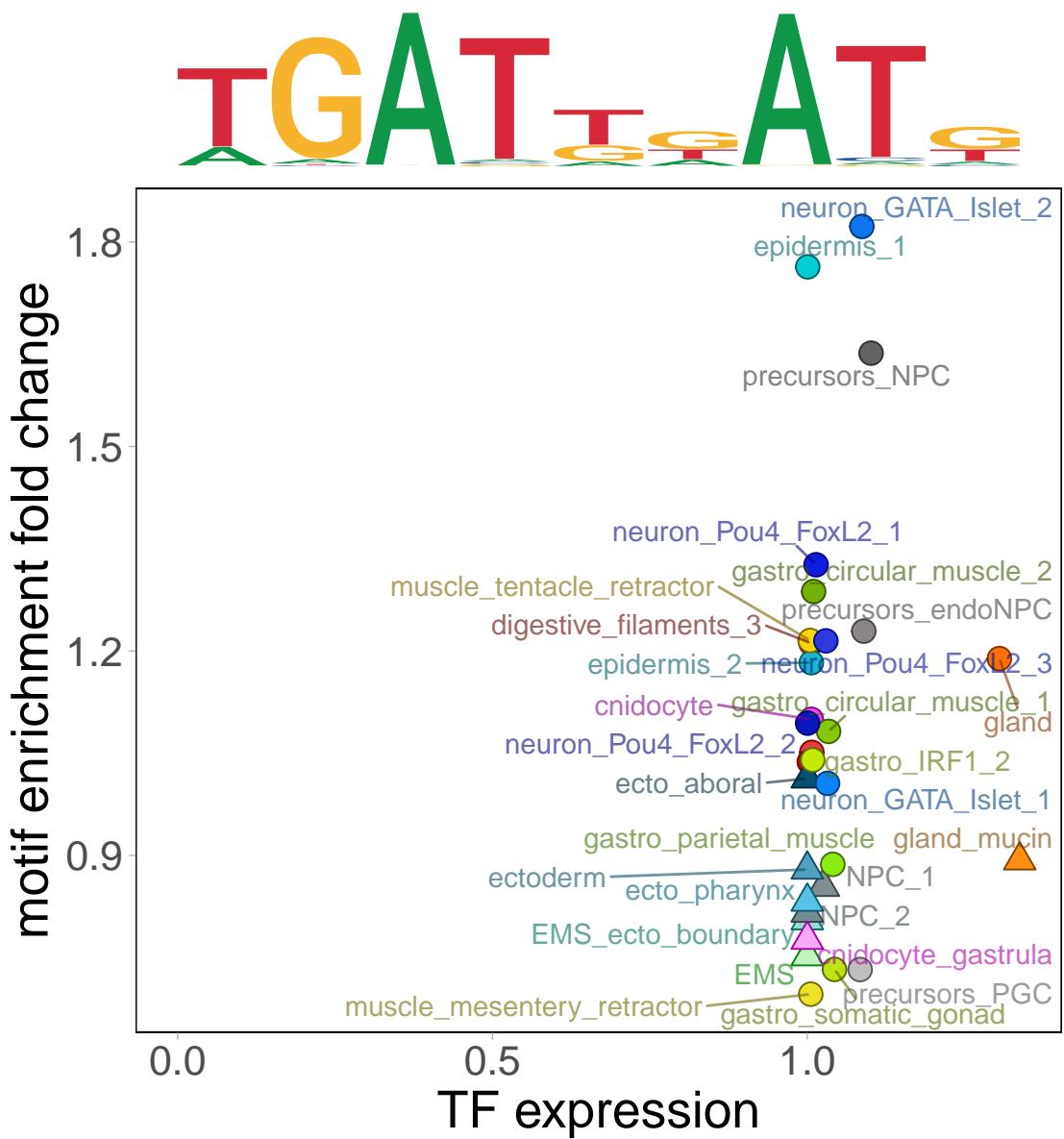
rank: 2

gene expression correlation: 0.3863

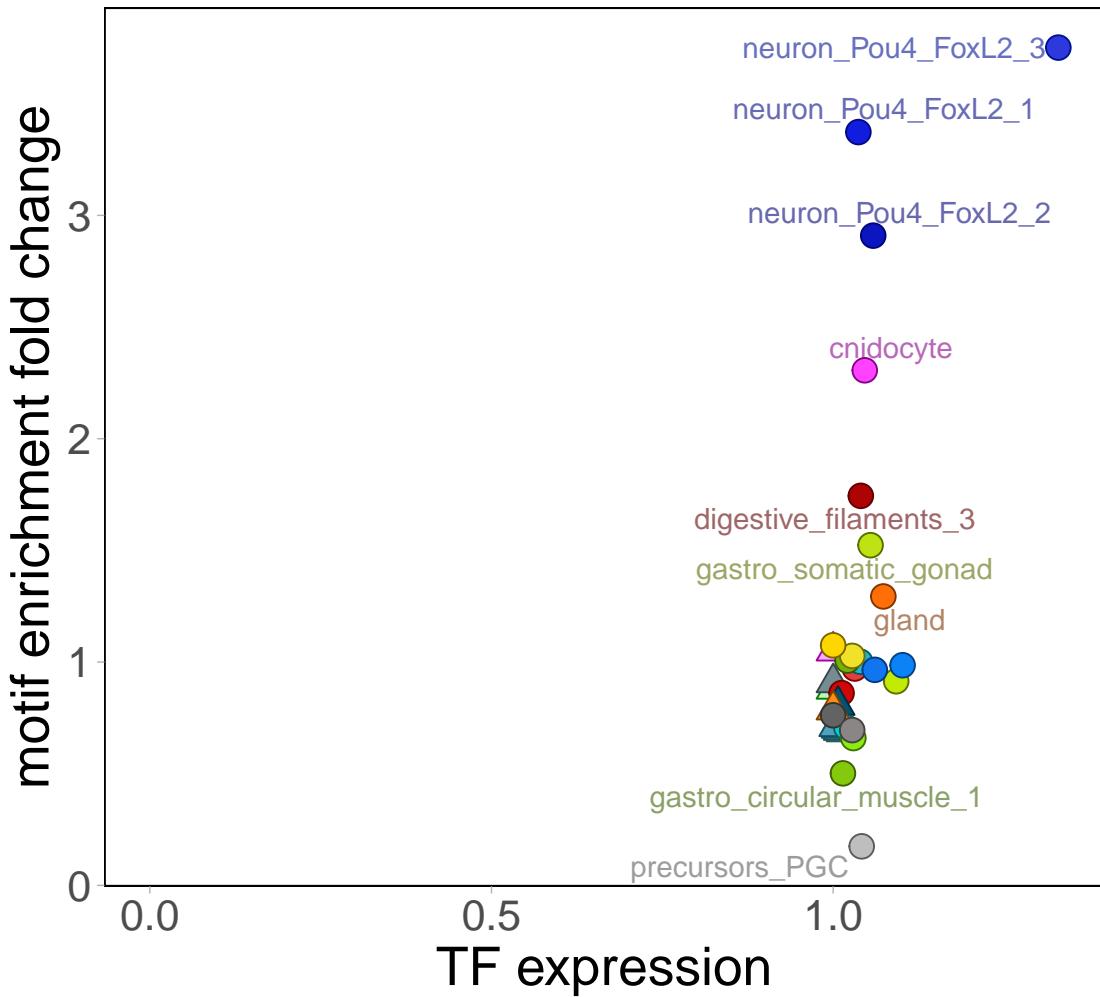
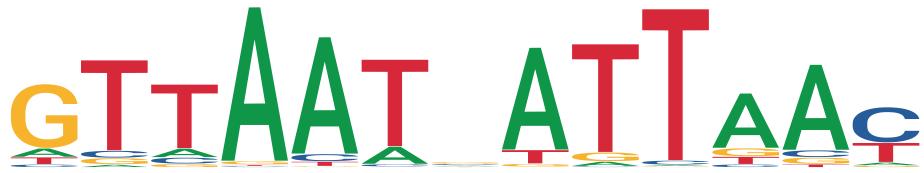
gene score correlation: 0.5394



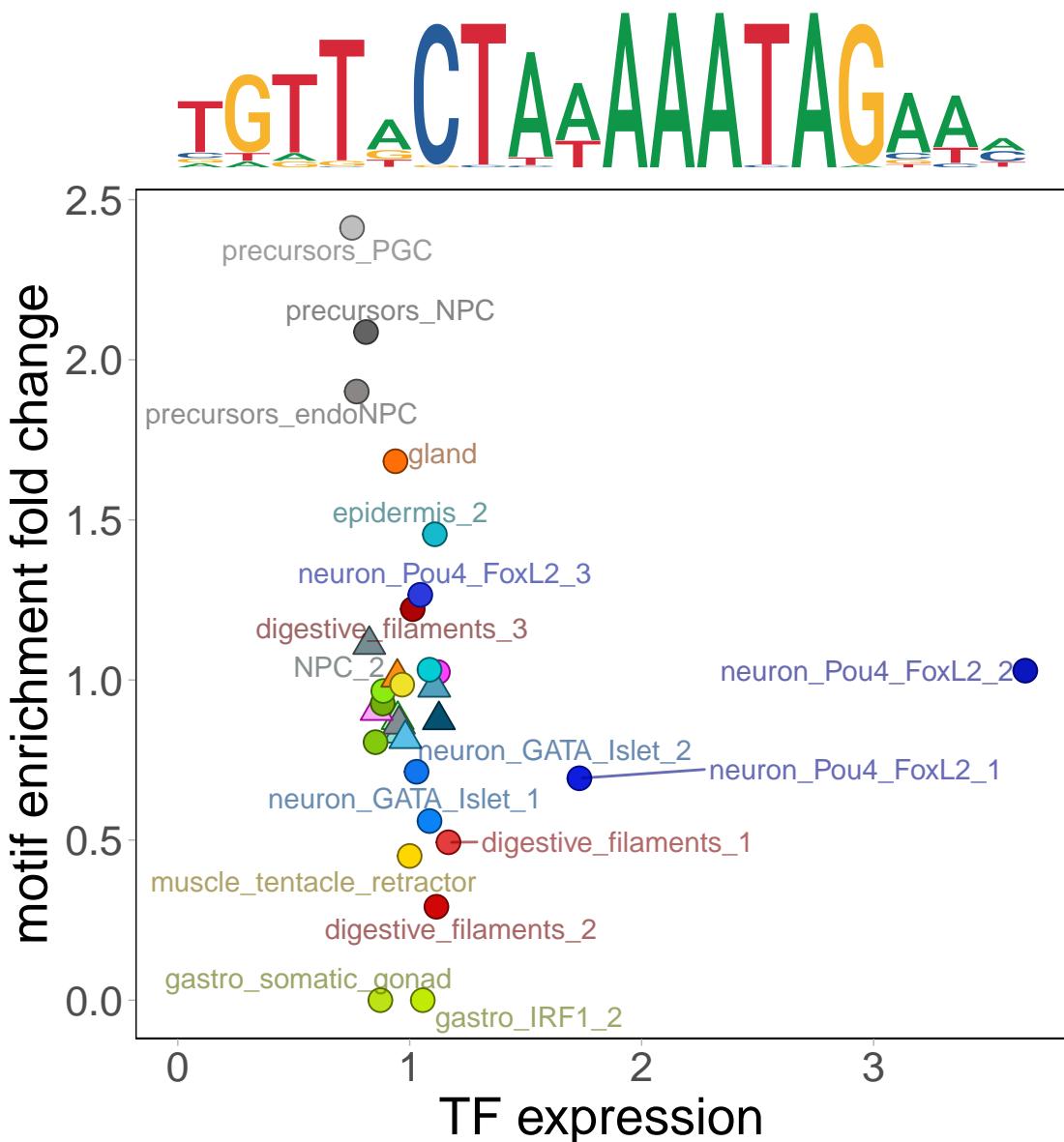
Nvec\_vc1.1\_XM\_032377135.2  
OG: Homeodomains.HG1.49:like:NOTO  
PFAM: Homeodomain  
motif: ARCH146\_Alx3/Alx4/Alx1\_Barx...  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: TRUE  
rank: 148  
gene expression correlation: 0.0956  
gene score correlation: -0.0006



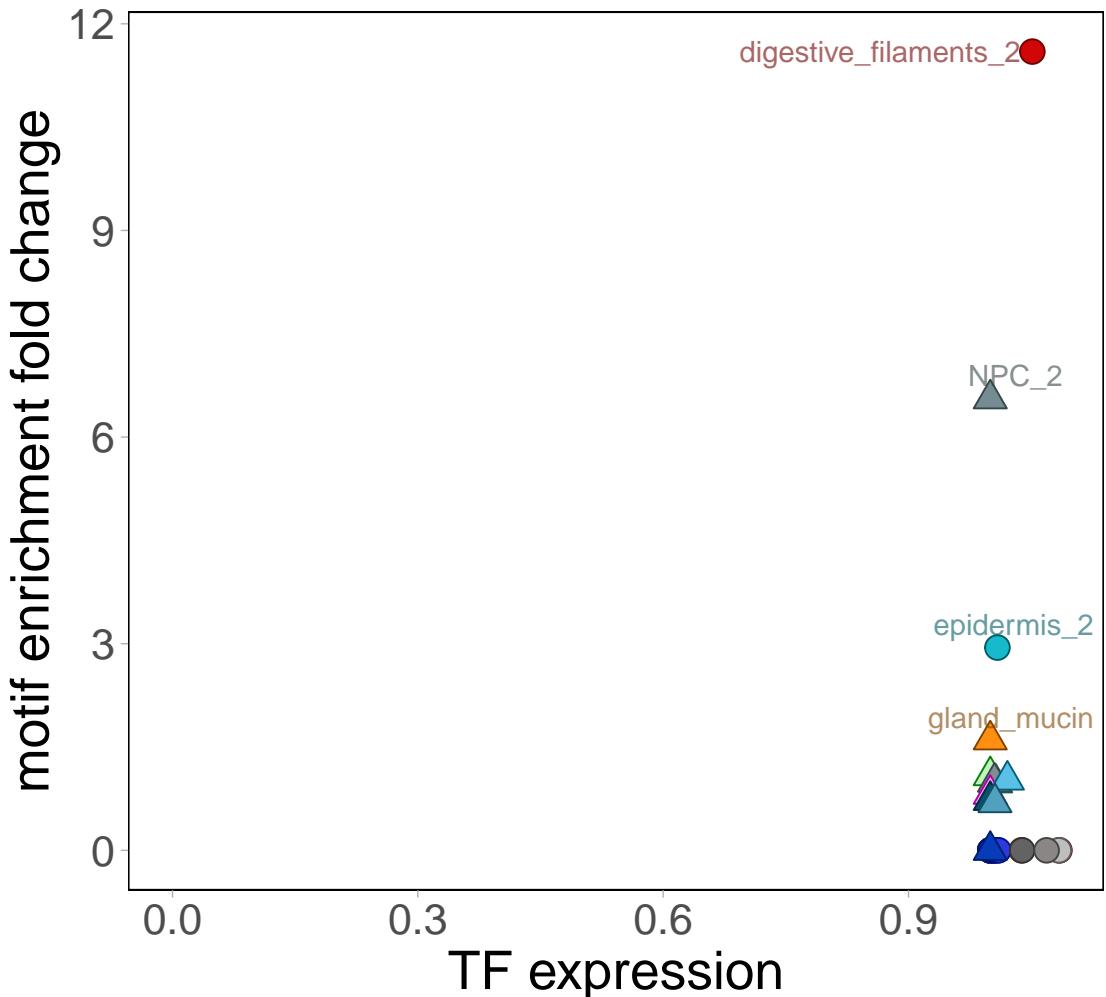
Nvec\_vc1.1\_XM\_032377390.2  
OG: Homeodomains.HG1.42:VAX1/VA  
PFAM: Homeodomain  
motif: ARCH103\_Hnf1a/Hnf1b  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 3  
gene expression correlation: 0.6328  
gene score correlation: 0.6047



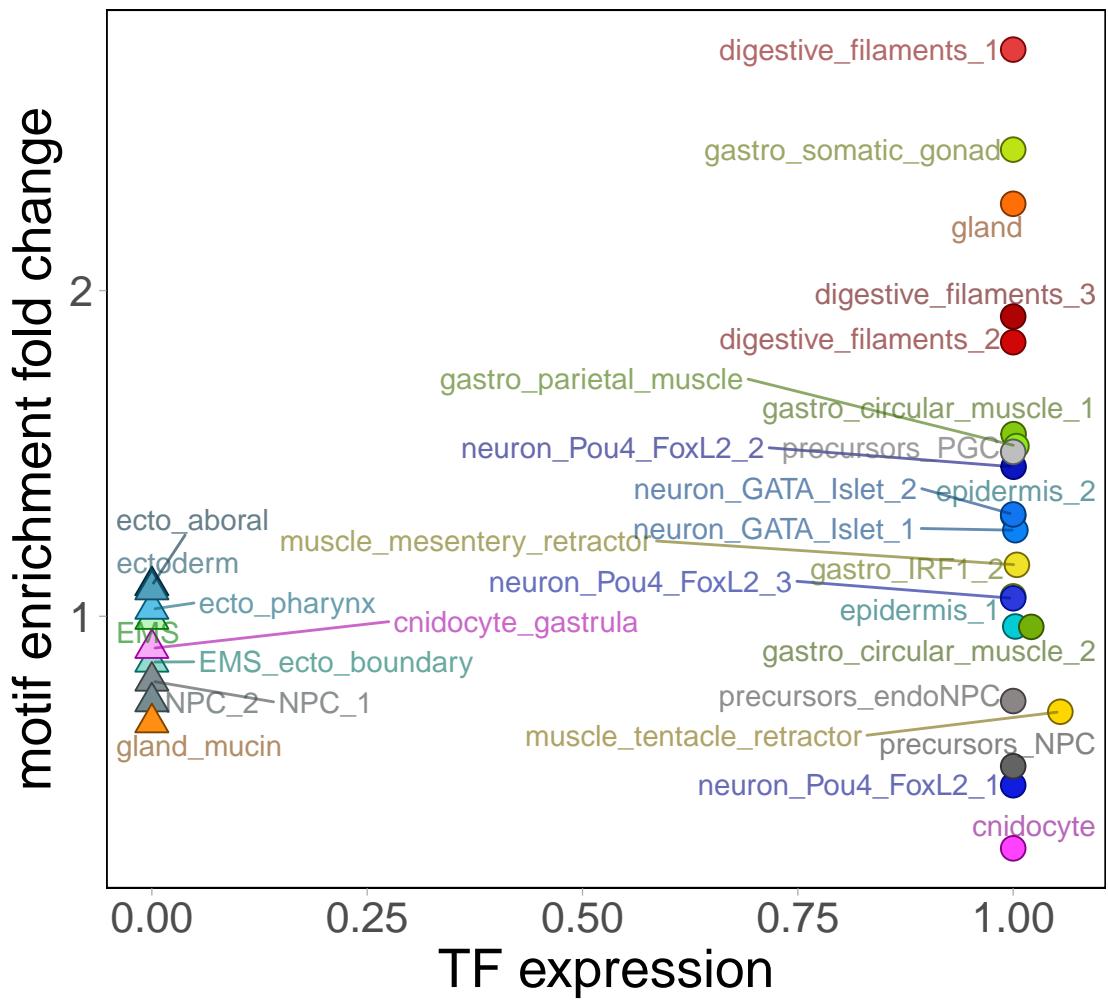
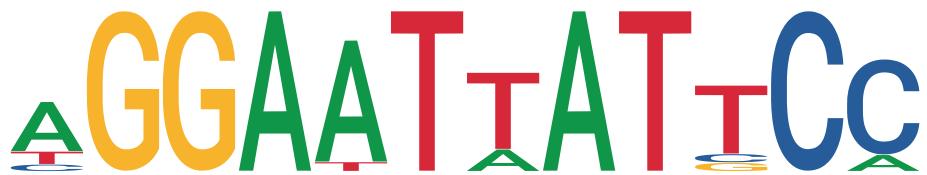
Nvec\_vc1.1\_XM\_032377792.2  
OG: MADS-box\_SRF.HG1.2:BORCS8-  
PFAM: SRF-TF/HJURP\_C  
motif: ARCH1333\_Mef2c/Mef2b/Mef2a/  
TF family: MADS-box\_SRF  
archetype family: MADS-box\_SRF  
CisBP assigned: TRUE  
rank: 18  
gene expression correlation: -0.1140  
gene score correlation: -0.3528



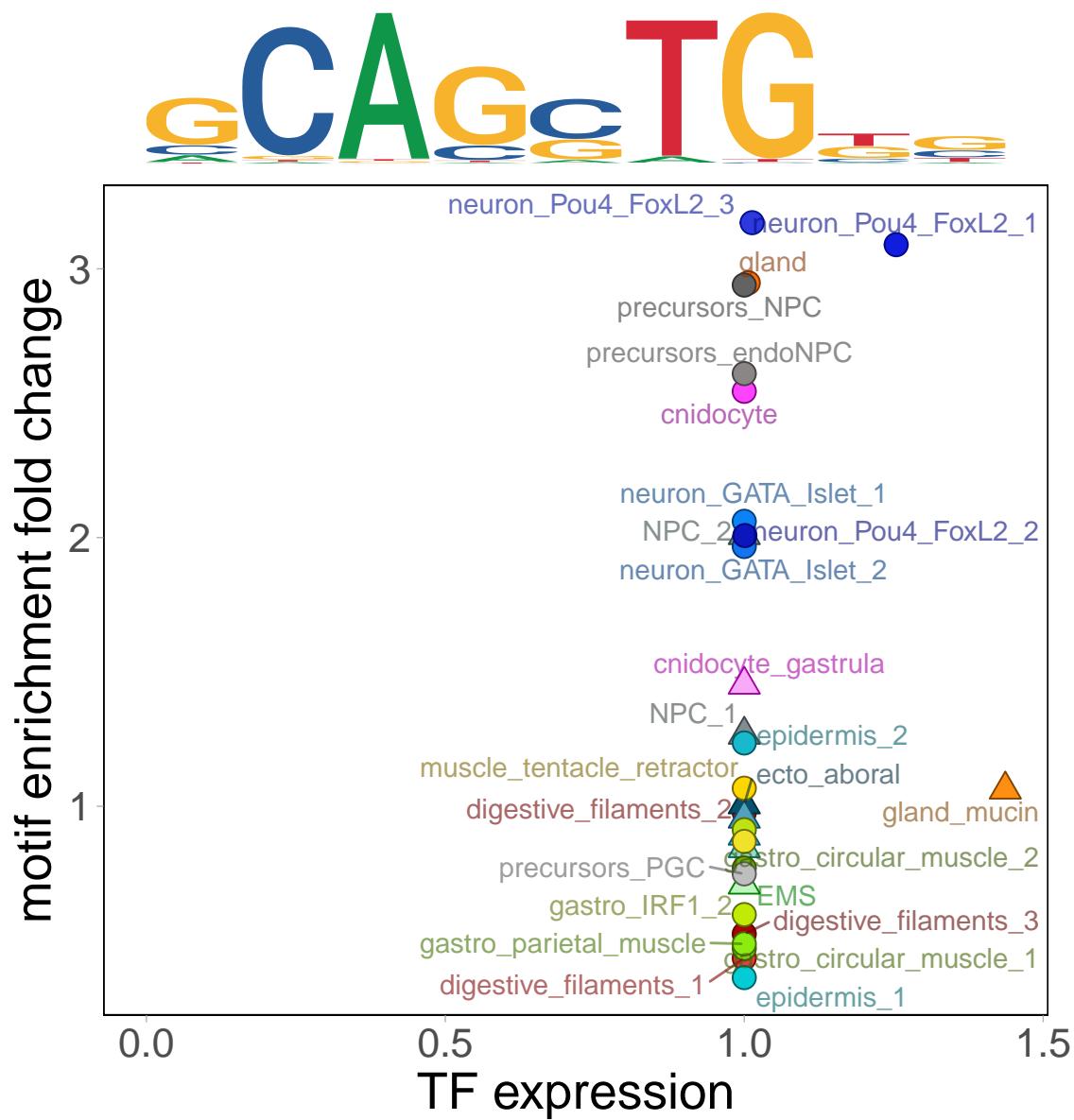
Nvec\_vc1.1\_XM\_032377883.2  
OG: P53.HG1.6:like:TP53/TP63/TP73  
PFAM: P53  
motif: M11197\_2.00  
TF family: P53  
archetype family: P53  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.1396  
gene score correlation: 0.0527



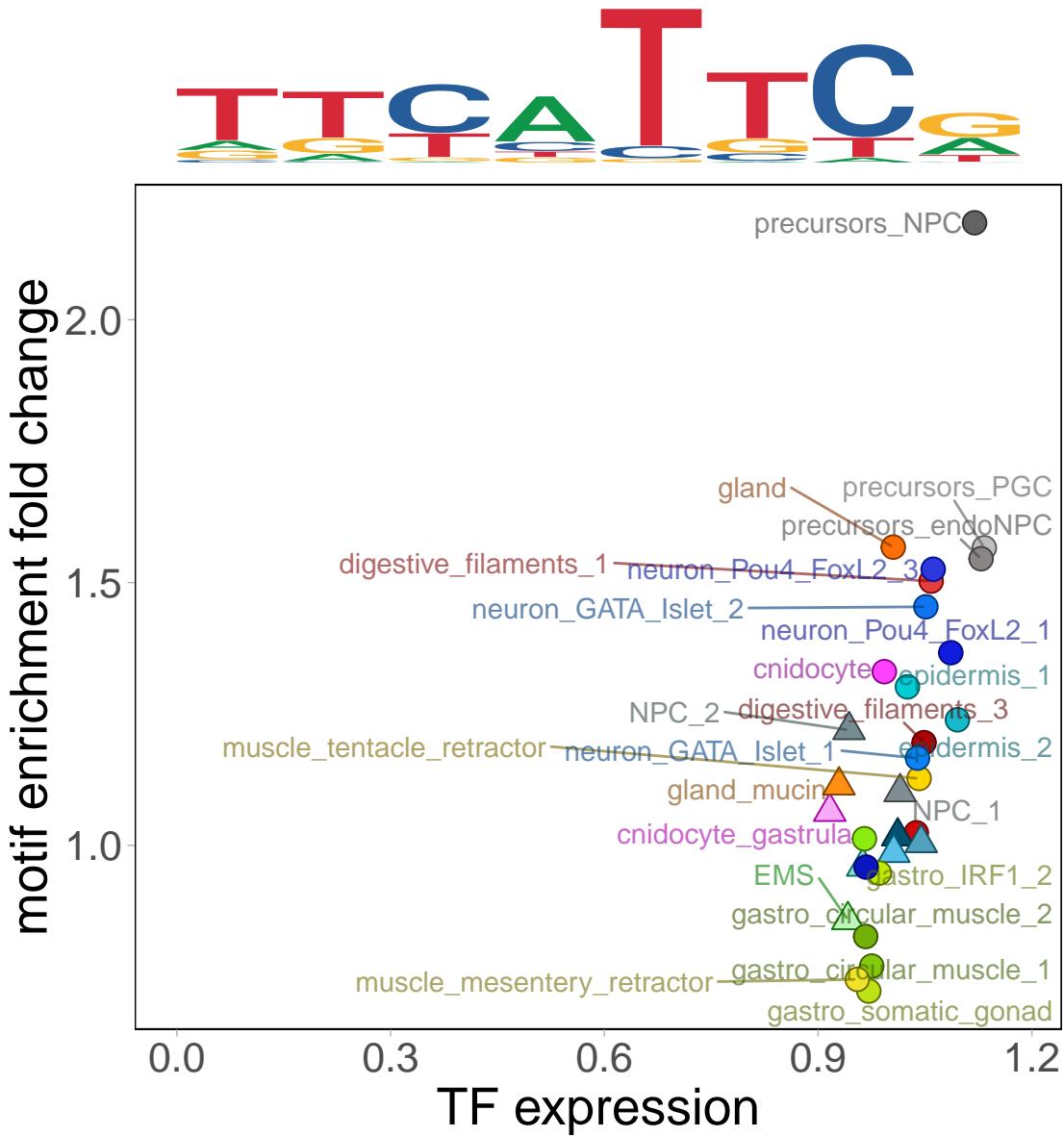
Nvec\_vc1.1\_XM\_032378000.2  
OG: Homeodomains.HG1.27:like:AC004  
PFAM: Homeodomain  
motif: ARCH1055\_MF0010.1\_Homeob  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 574  
gene expression correlation: 0.3317  
gene score correlation: -0.1948



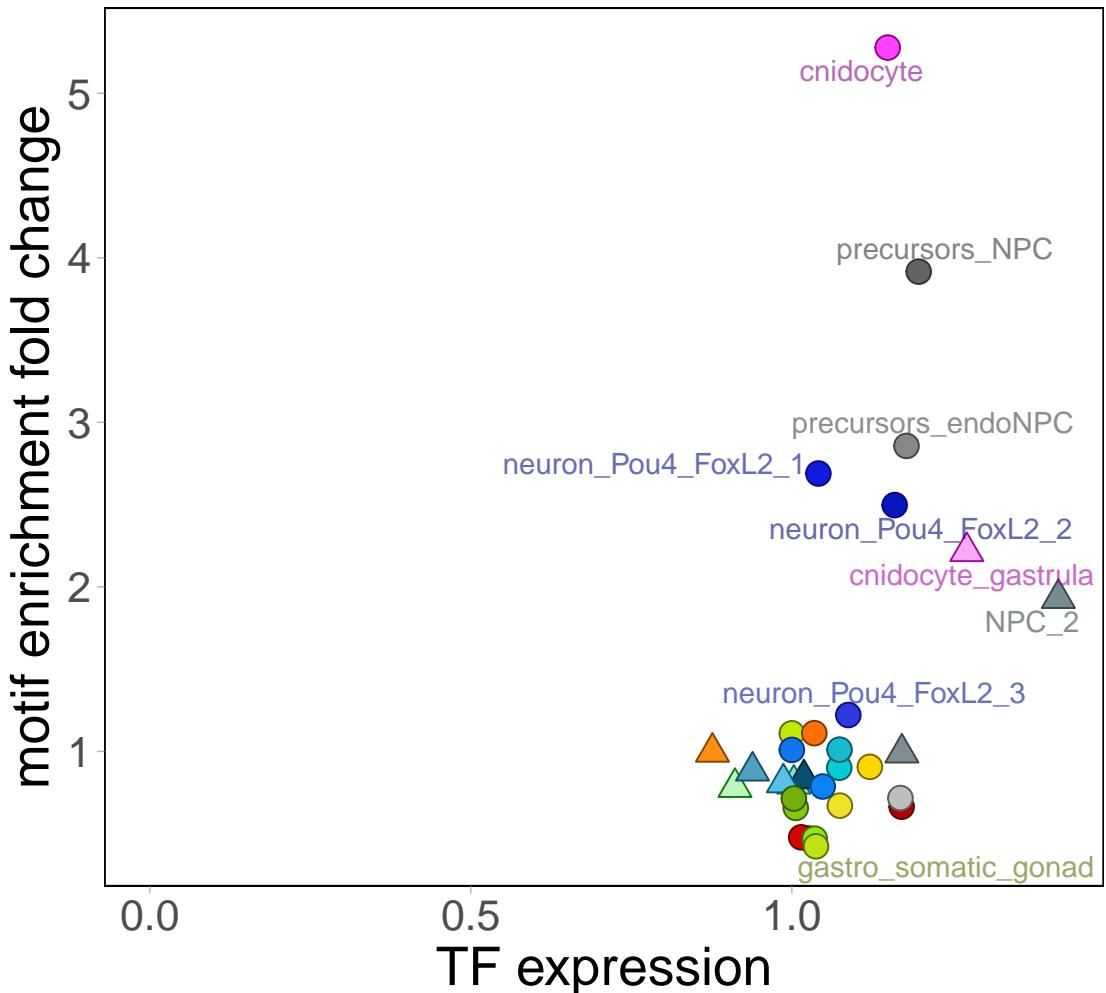
Nvec\_vc1.1\_XM\_032378152.2  
OG: HMGbox\_Sox.HG1.1:SOX30  
PFAM: HMG\_box  
motif: ARCH482\_/Lef1/Tcf7l1/Tcf7  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: FALSE  
rank: 46  
gene expression correlation: 0.1377  
gene score correlation: -0.0002



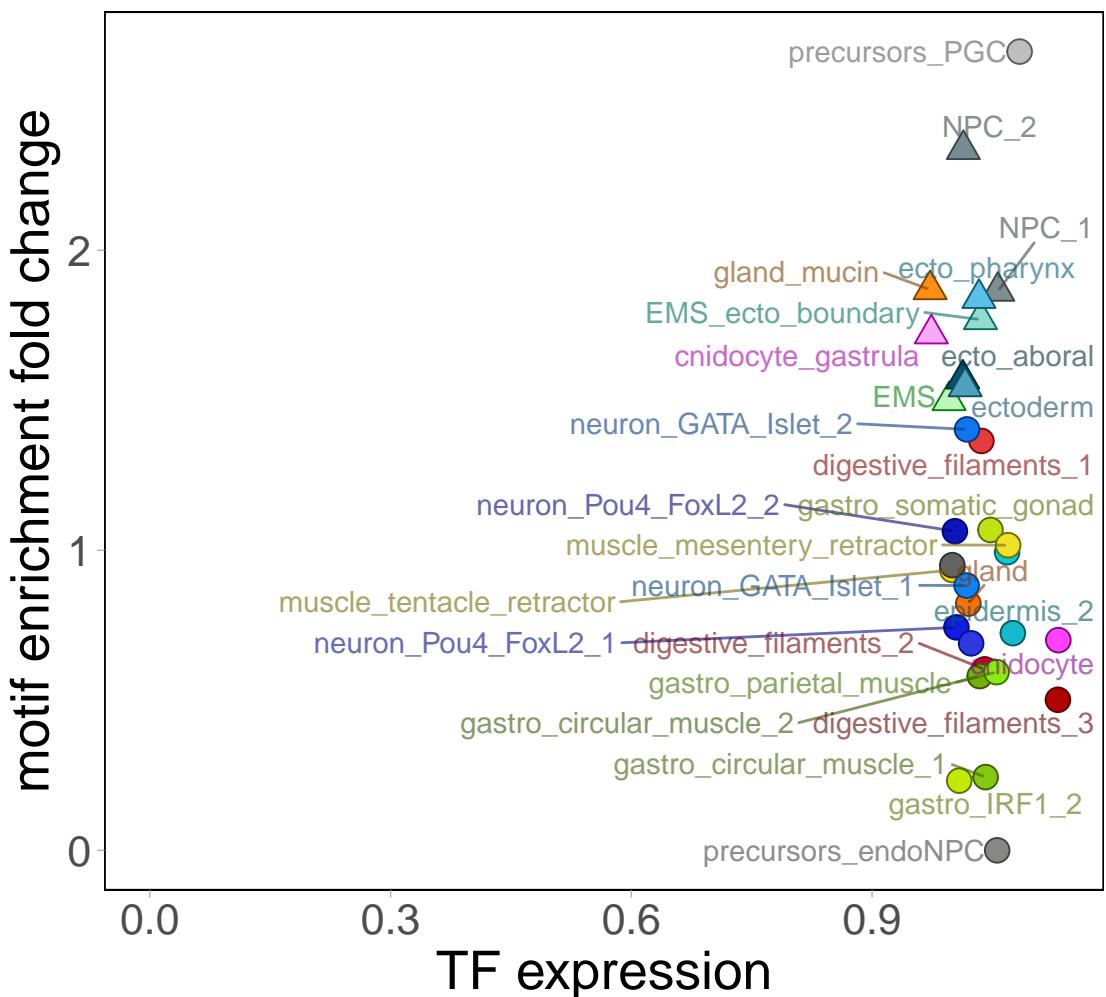
Nvec\_vc1.1\_XM\_032378255.2  
OG: zf-C2H2.HG105.0:NA  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH1204\_ARR1\_ZNF24  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 1198  
gene expression correlation: 0.7059  
gene score correlation: 0.3751



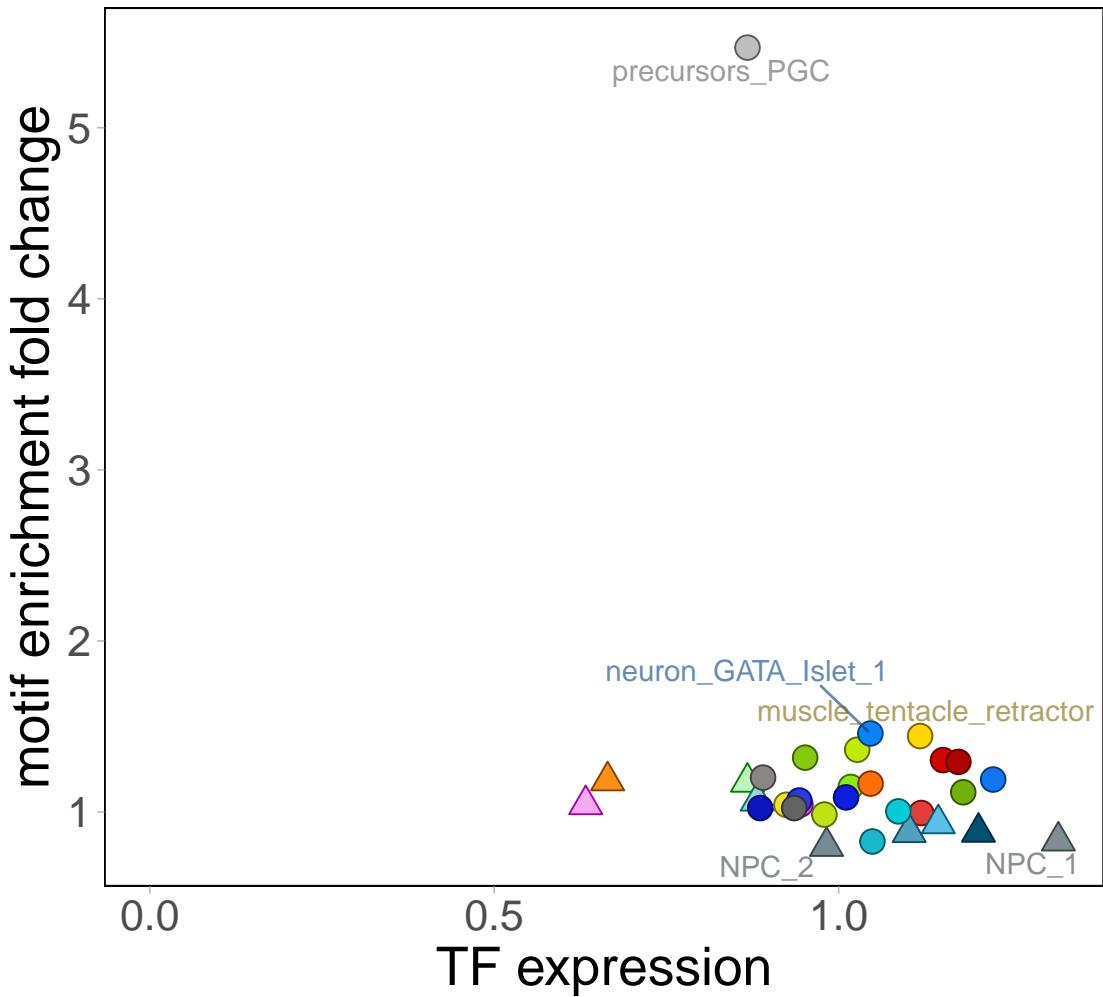
Nvec\_vc1.1\_XM\_032378312.2  
OG: zf-C2H2.HG119.1:NA  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH861\_Scrt2/Scrt1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 119  
gene expression correlation: 0.4623  
gene score correlation: 0.5843



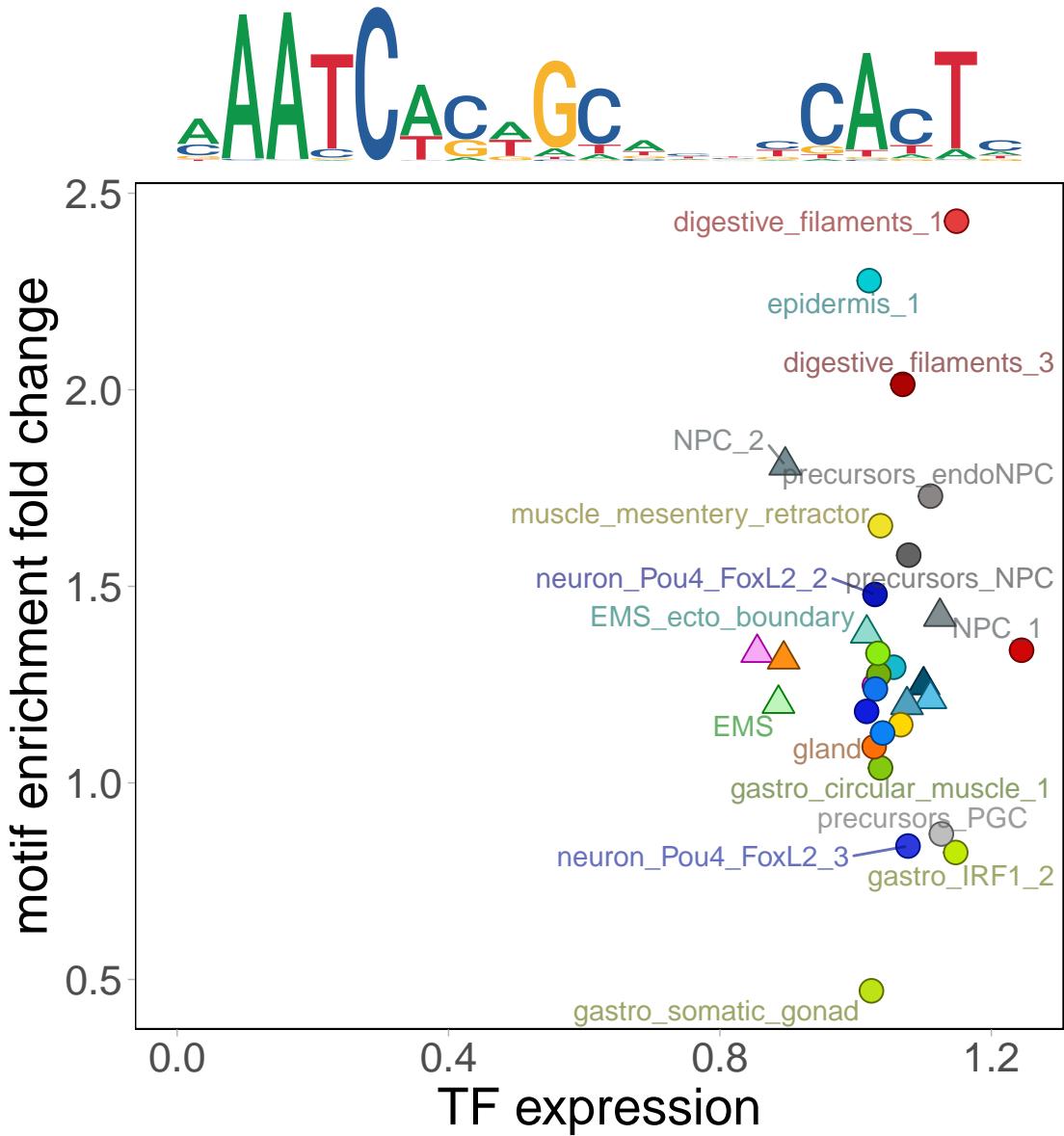
Nvec\_vc1.1\_XM\_032378323.2  
OG: zf-C2H2.HG9.0:PLAGL1/PLAGL2/  
PFAM: zf-C2H2/zf-C2H2  
motif: ARCH1255\_Yy1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 3  
gene expression correlation: -0.2252  
gene score correlation: 0.1270



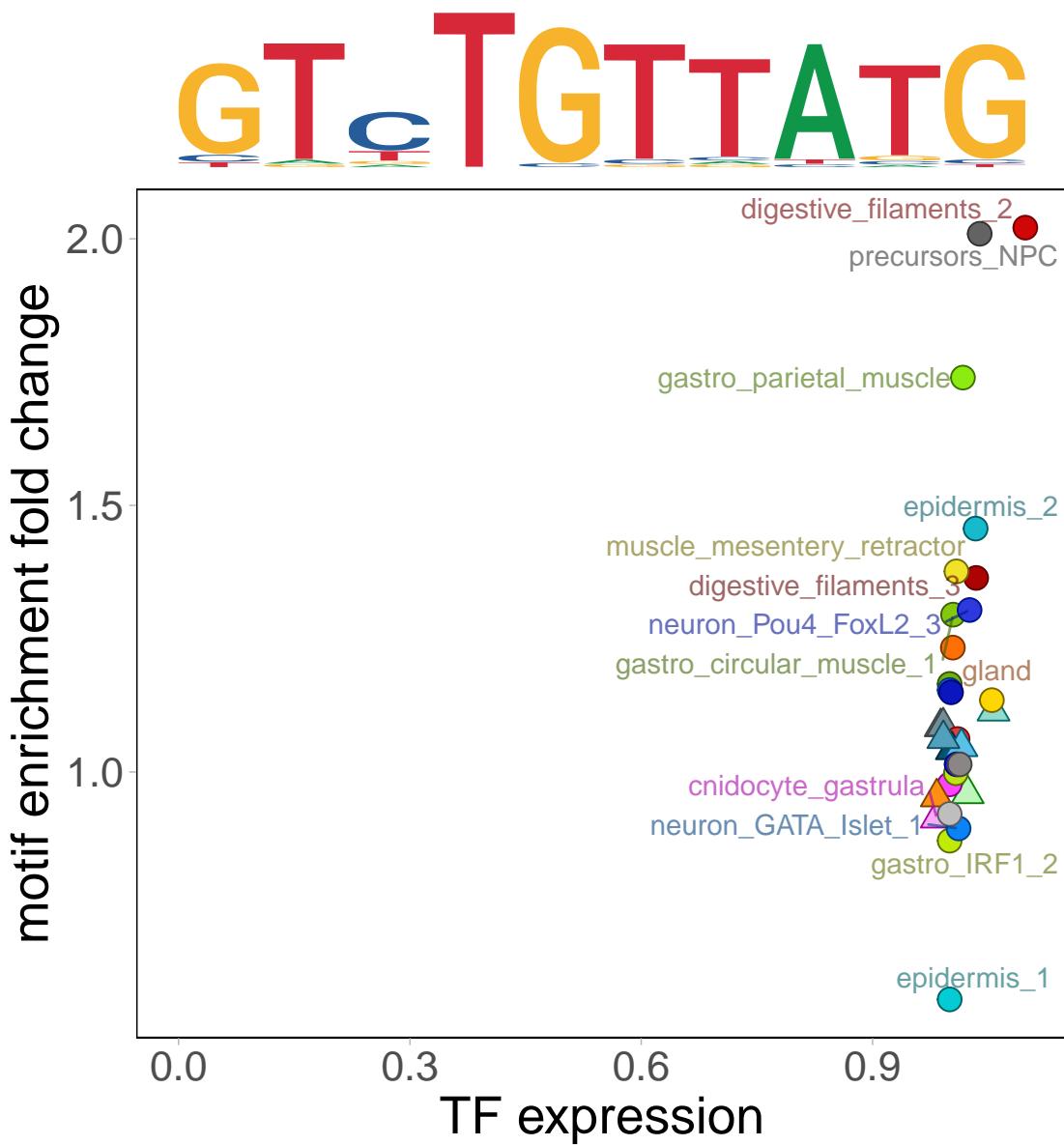
Nvec\_vc1.1\_XM\_032378402.2  
OG: E2F\_TDP.HG1.1:TFDP1/TFDP2/T  
PFAM: E2F\_TDP/DP  
motif: ARCH367\_/E2f4\_E2f6\_E2f8/E2f..  
TF family: E2F\_TDP  
archetype family: E2F\_TDP  
CisBP assigned: TRUE  
rank: 342  
gene expression correlation: -0.1881  
gene score correlation: -0.0004



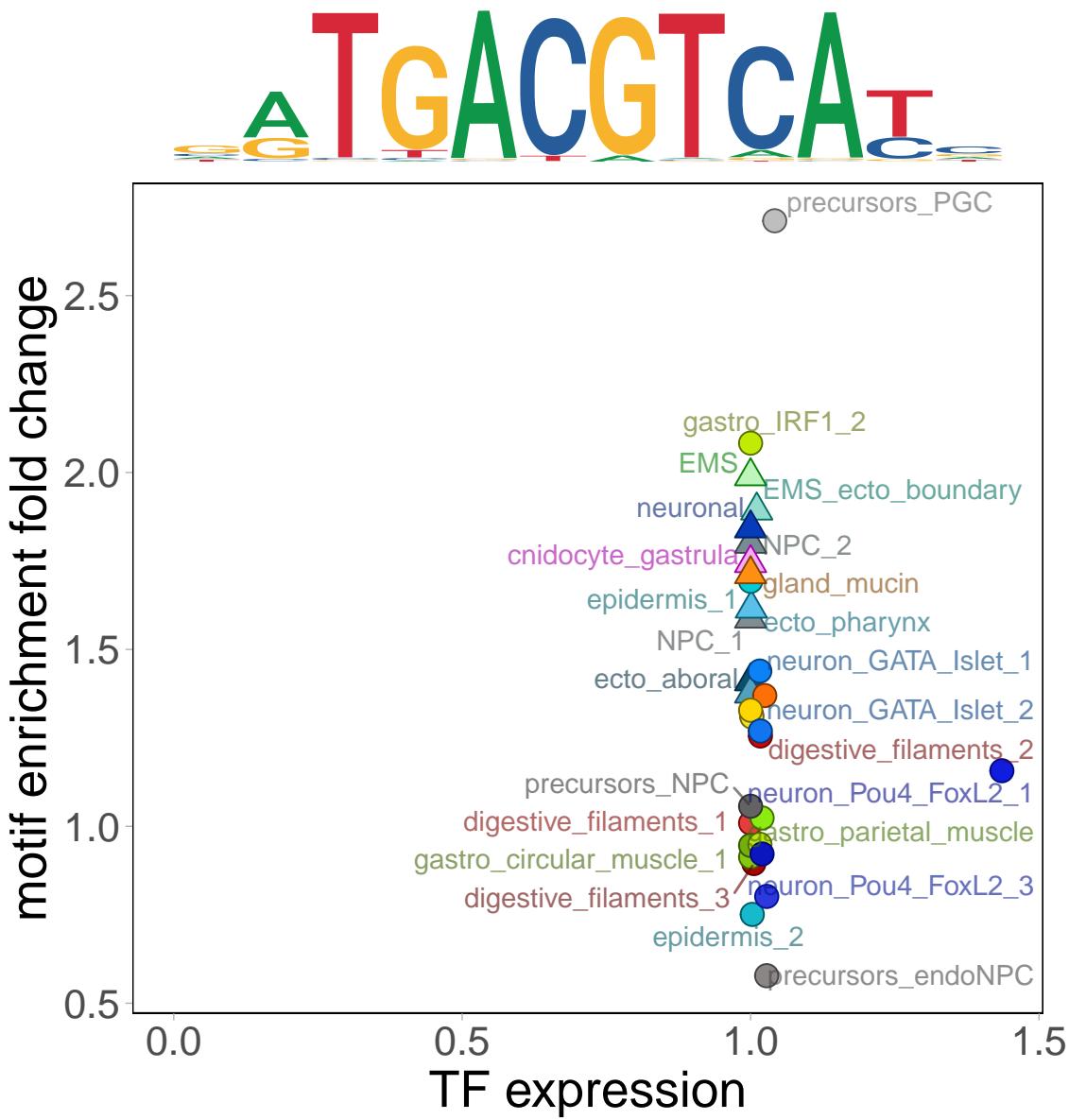
Nvec\_vc1.1\_XM\_032378403.2  
OG: zf-C2H2.HG1.209:like:AC008758.1  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH1345\_Gfi1b/Gfi1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 48  
gene expression correlation: 0.0031  
gene score correlation: 0.0609



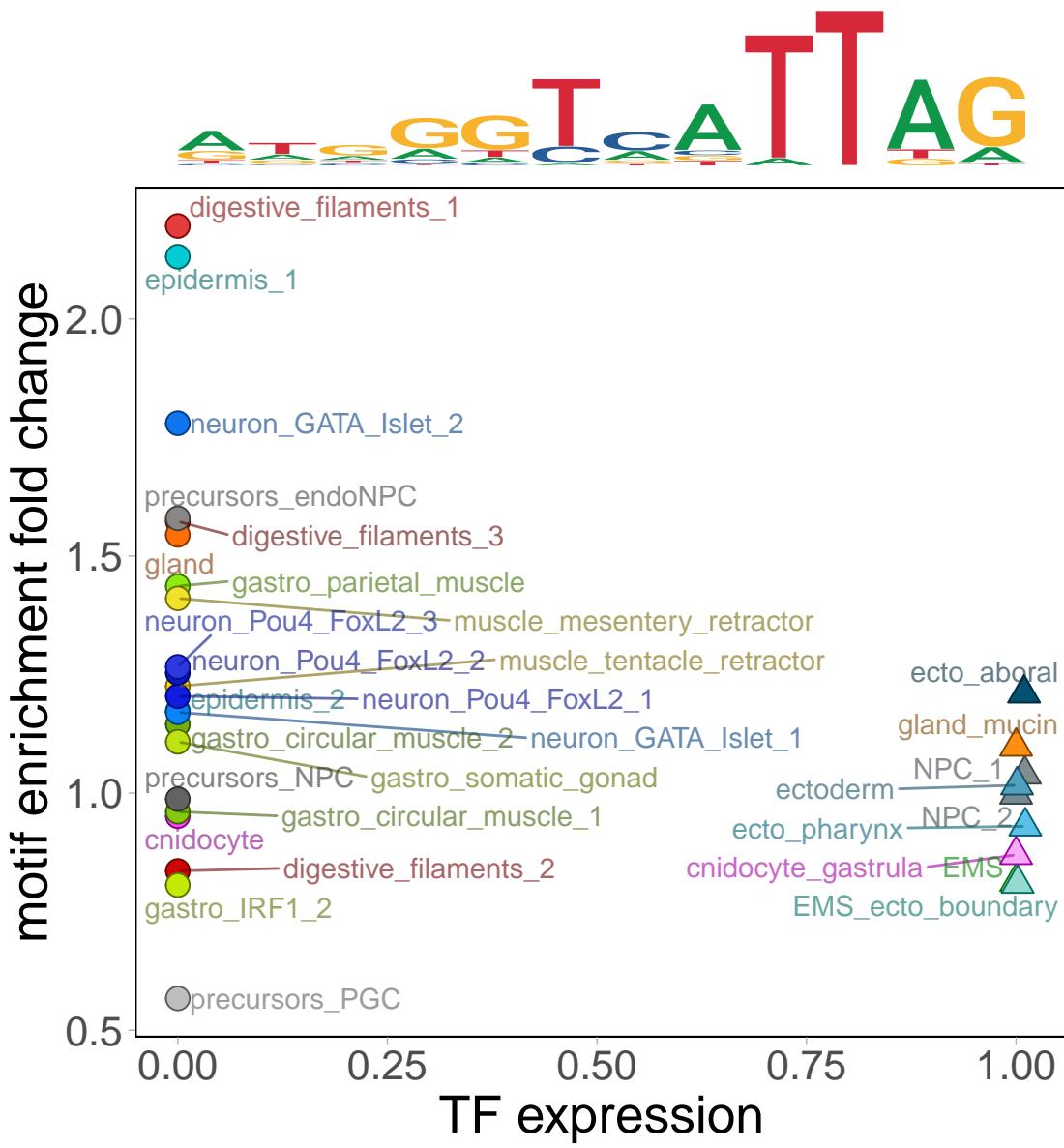
Nvec\_vc1.1\_XM\_032378442.2  
OG: Myb.HG3.0:like:HSPA14/MSANTD  
PFAM: Myb\_DNA-bind\_4  
motif: ARCH1391\_MYB113  
TF family: Myb  
archetype family: Myb  
CisBP assigned: FALSE  
rank: 165  
gene expression correlation: 0.6289  
gene score correlation: 0.3338



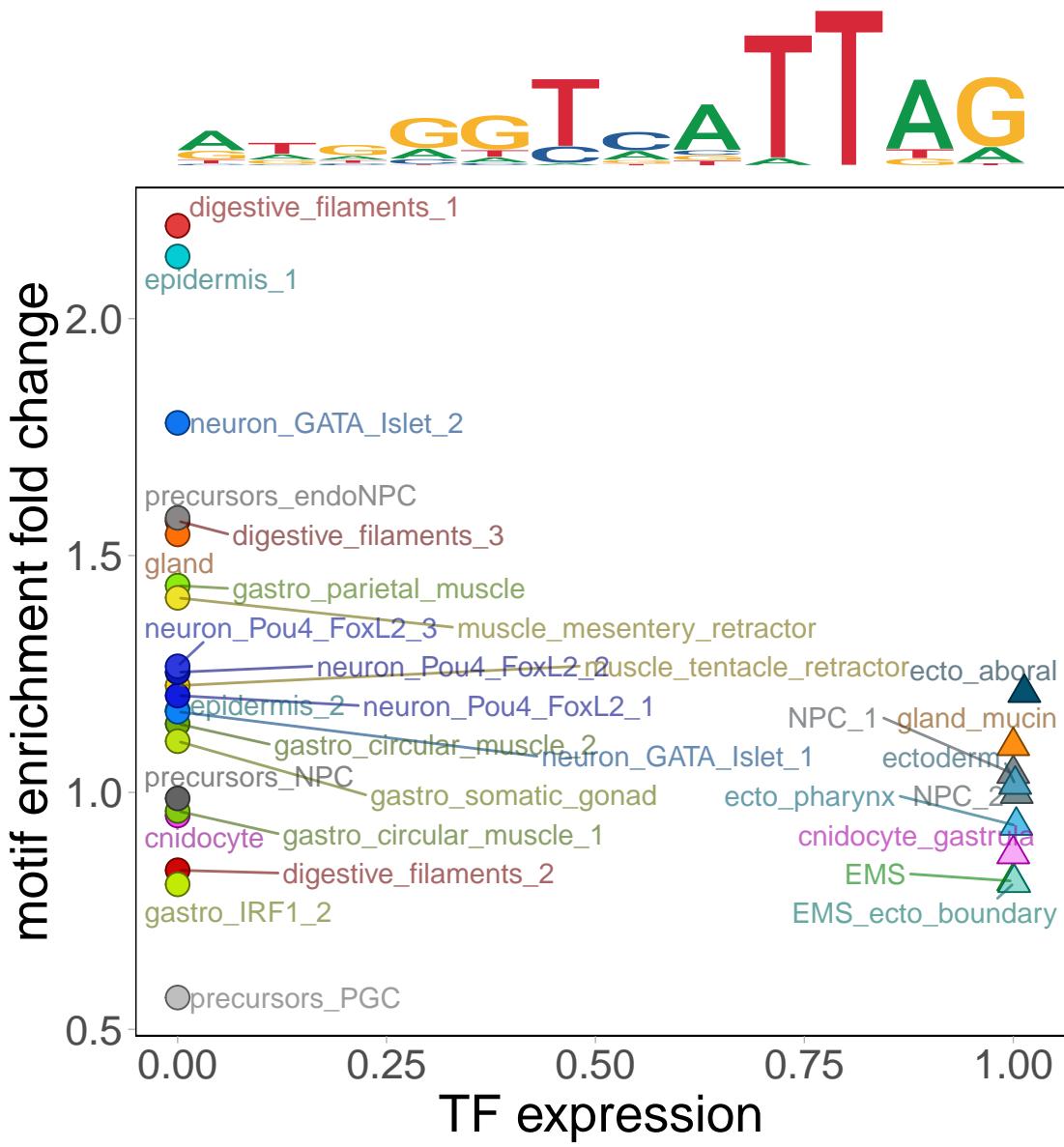
Nvec\_vc1.1\_XM\_032378649.2  
OG: bZIP.HG1.10:like:ATF3/FOS/FOSB  
PFAM: bZIP\_1  
motif: M04272\_2.00  
TF family: bZIP  
archetype family: bZIP  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.0884  
gene score correlation: 0.0704



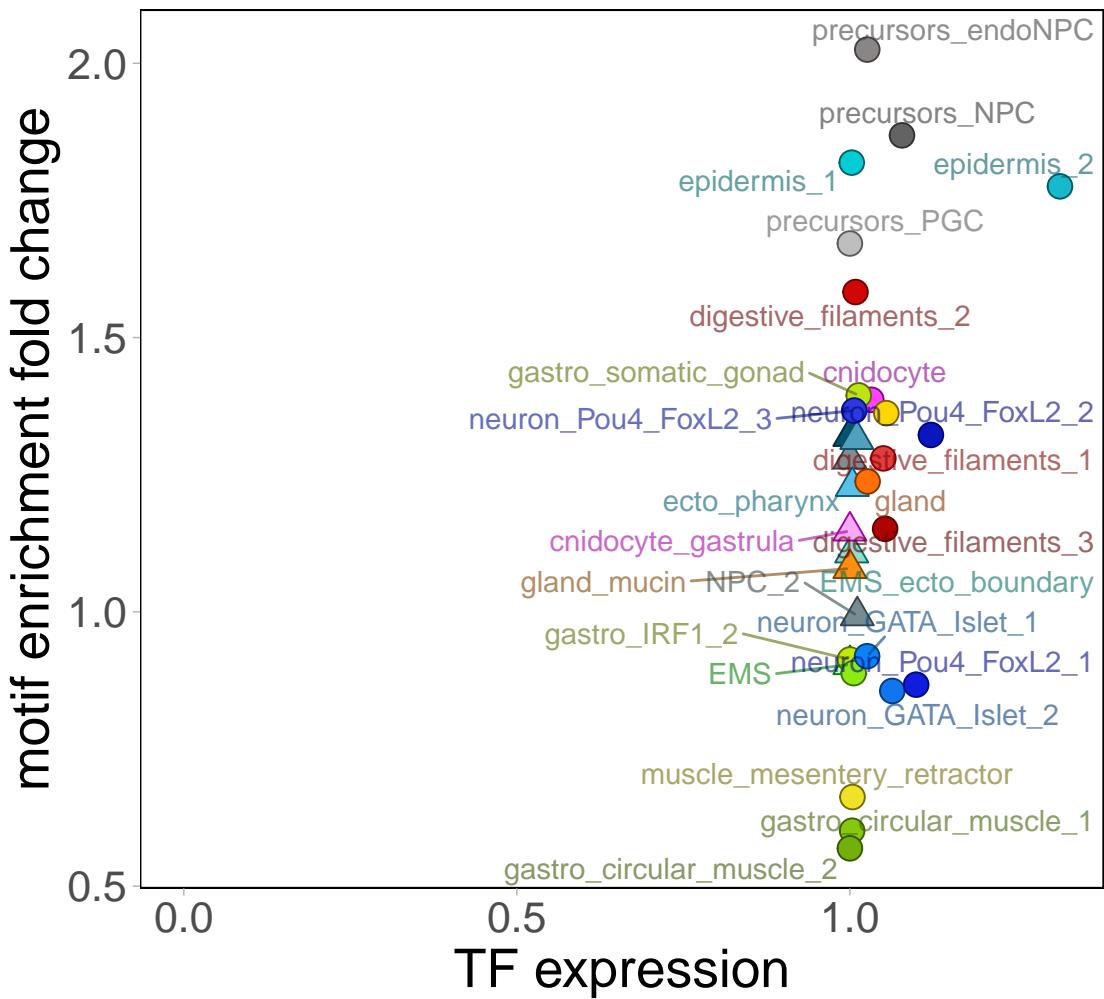
Nvec\_vc1.1\_XM\_032378769.2  
OG: Homeodomains.HG1.23:like:HHEX  
PFAM: Homeodomain  
motif: ARCH273\_HOXD3  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 57  
gene expression correlation: -0.3843  
gene score correlation: -0.3837



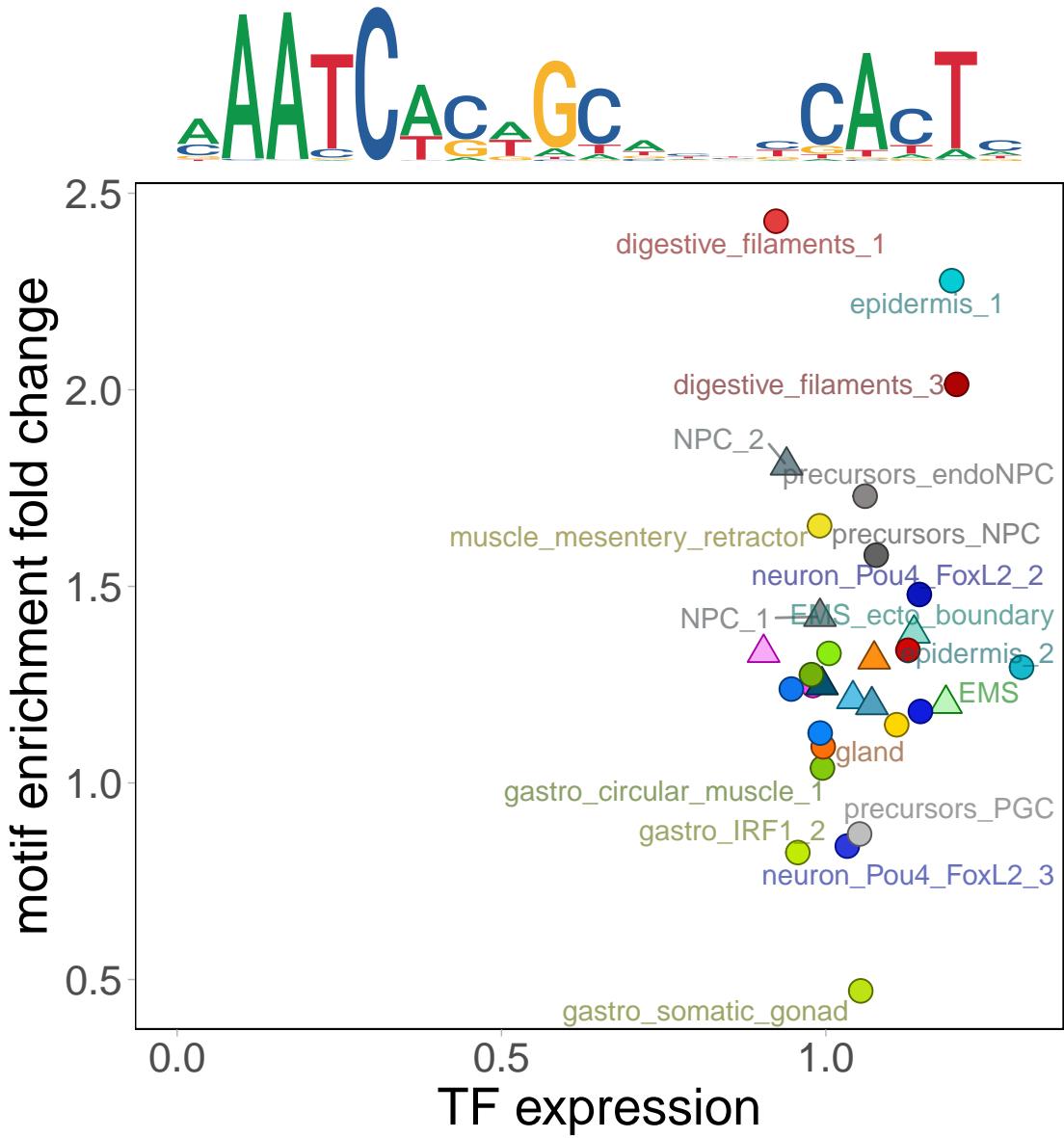
Nvec\_vc1.1\_XM\_032378779.2  
OG: Homeodomains.HG1.23:like:HHEX  
PFAM: Homeodomain  
motif: ARCH273\_HOXD3  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 58  
gene expression correlation: -0.3841  
gene score correlation: -0.3911



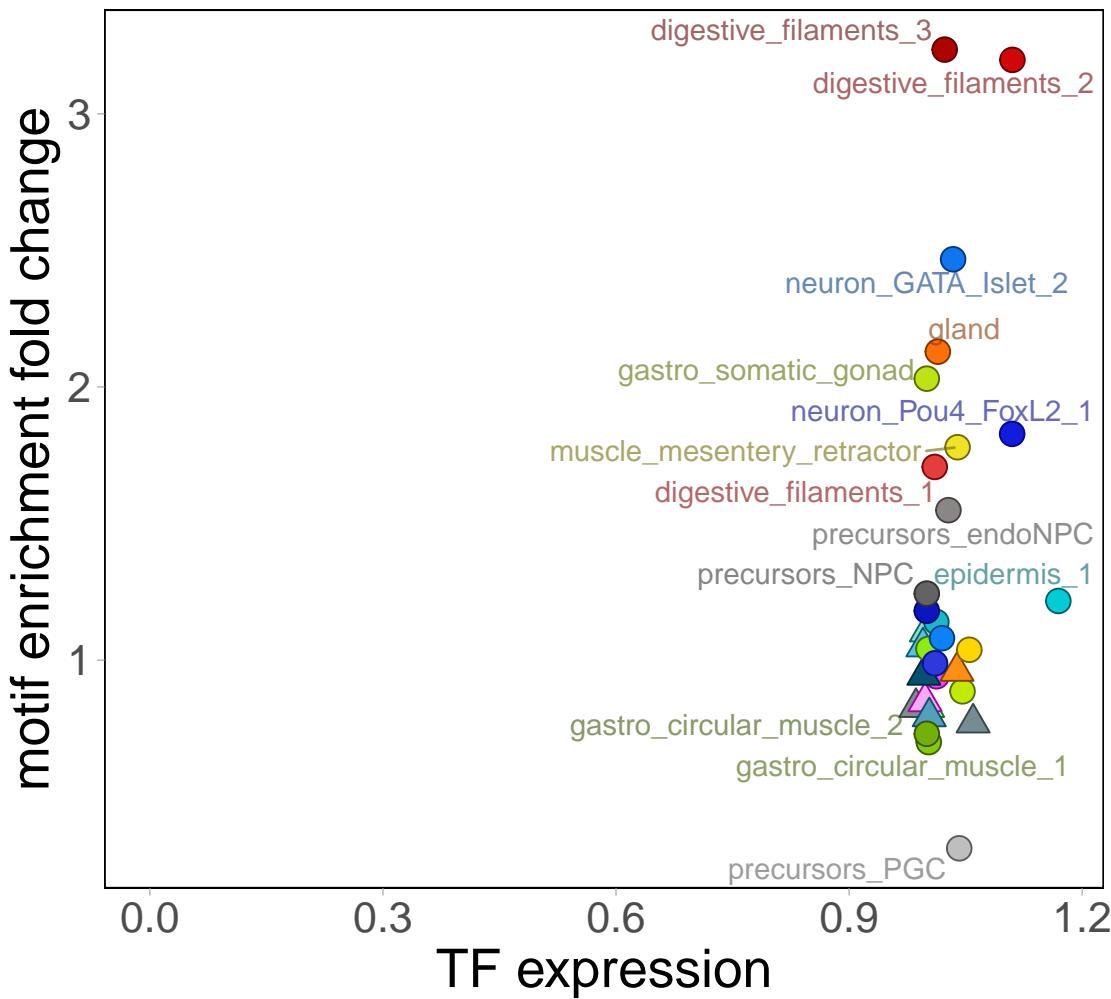
Nvec\_vc1.1\_XM\_032378839.2  
OG: Forkhead.HG1.14:like:FOXN1/FOX  
PFAM: Forkhead  
motif: ARCH829\_PB0121.1\_Foxj3\_2  
TF family: Forkhead  
archetype family: Forkhead  
CisBP assigned: FALSE  
rank: 5  
gene expression correlation: 0.3009  
gene score correlation: 0.4671



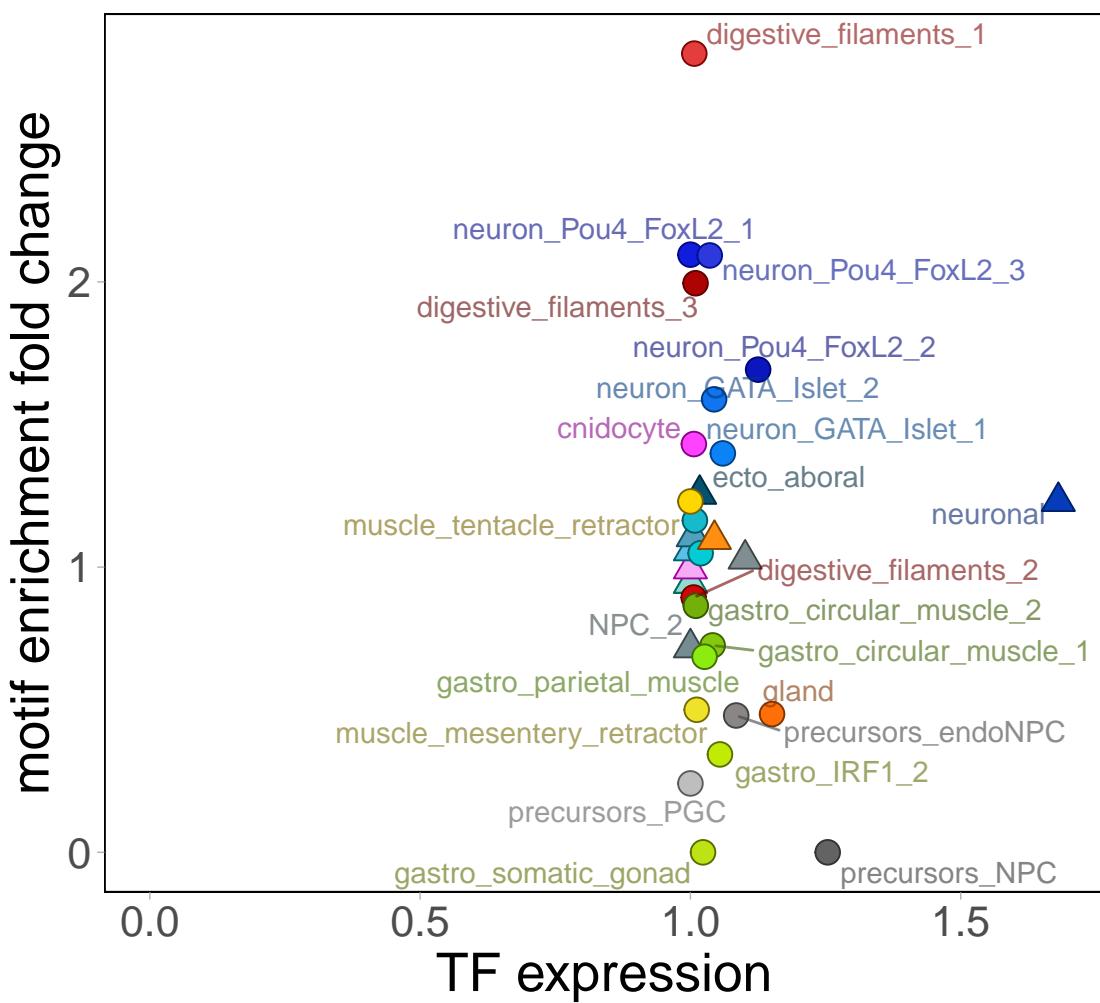
Nvec\_vc1.1\_XM\_032378941.2  
OG: zf-C2H2.HG117.0:ZNF800  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH1345\_Gfi1b/Gfi1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 93  
gene expression correlation: 0.1012  
gene score correlation: 0.1587



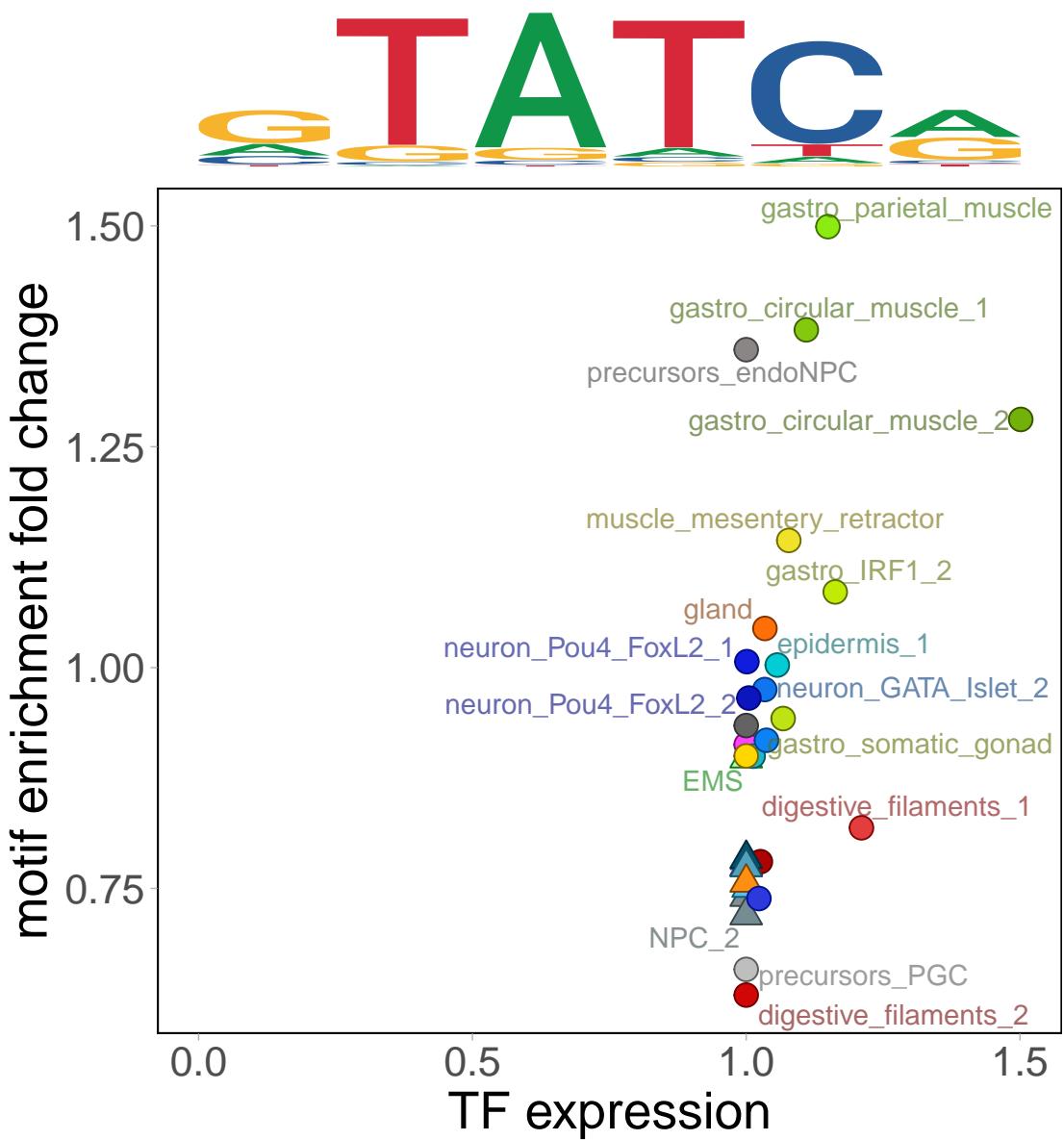
Nvec\_vc1.1\_XM\_032379152.2  
OG: Forkhead.HG1.13:like:FOXN1/FOX  
PFAM: Forkhead  
motif: ARCH1547\_FOXB1  
TF family: Forkhead  
archetype family: Forkhead  
CisBP assigned: FALSE  
rank: 9  
gene expression correlation: 0.2920  
gene score correlation: 0.4964



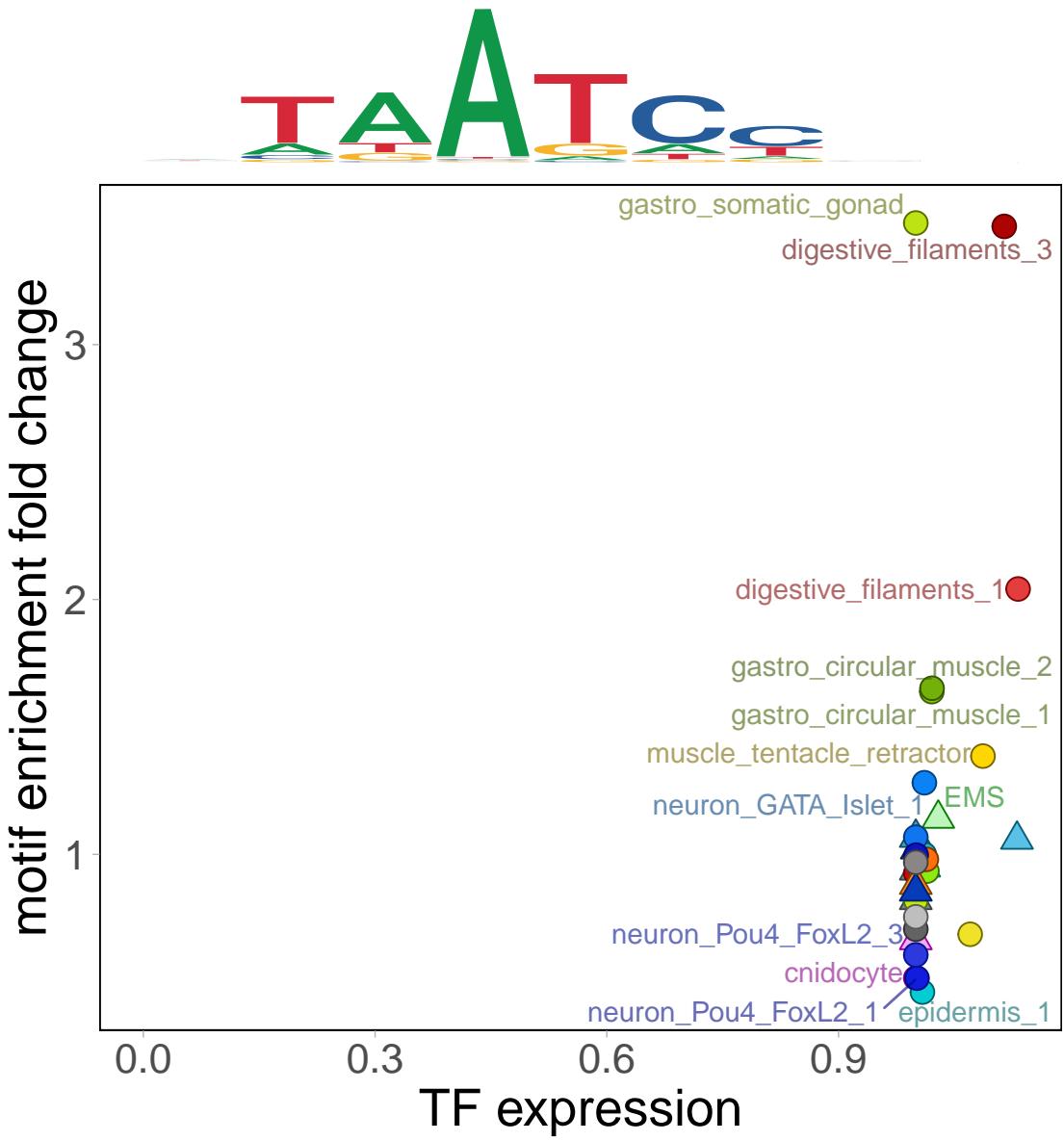
Nvec\_vc1.1\_XM\_032379347.2  
OG: Homeodomains.HG2.29:PAX4/PAX  
PFAM: PAX/Homeodomain  
motif: M03887\_2.00  
TF family: Pax/Homeodomain  
archetype family: Pax/Homeodomain  
CisBP assigned: TRUE  
rank: 0  
gene expression correlation: -0.0871  
gene score correlation: -0.1192



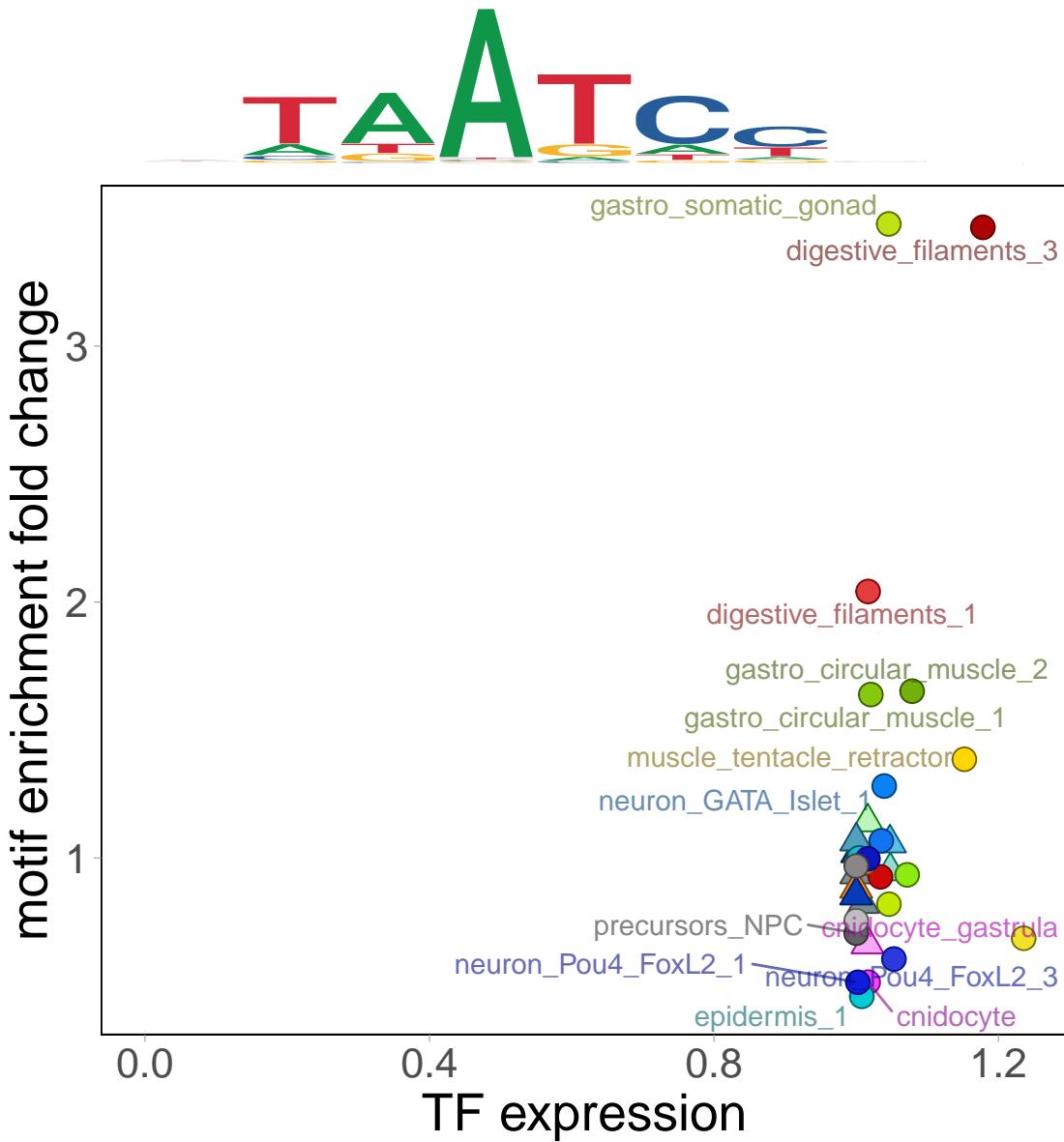
Nvec\_vc1.1\_XM\_032379348.2  
OG: Homeodomains.HG2.72:like:DMB  
PFAM: Homeodomain  
motif: ARCH636\_Six1/\_Six3/Six6\_Six...  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 26  
gene expression correlation: 0.5042  
gene score correlation: 0.3651



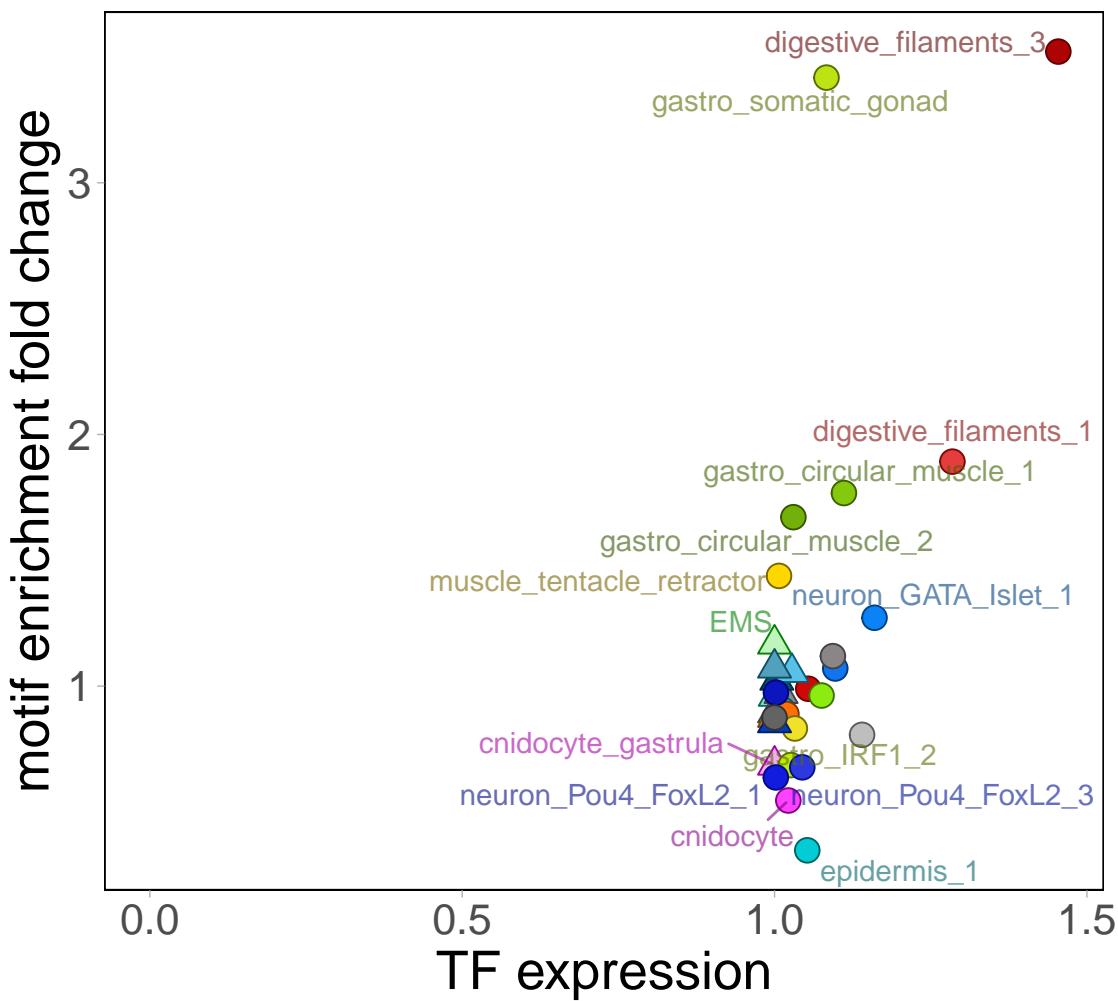
Nvec\_vc1.1\_XM\_032379394.2  
OG: Homeodomains.HG2.77:like:DMB  
PFAM: Homeodomain  
motif: M00490\_2.00  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.4374  
gene score correlation: 0.2424



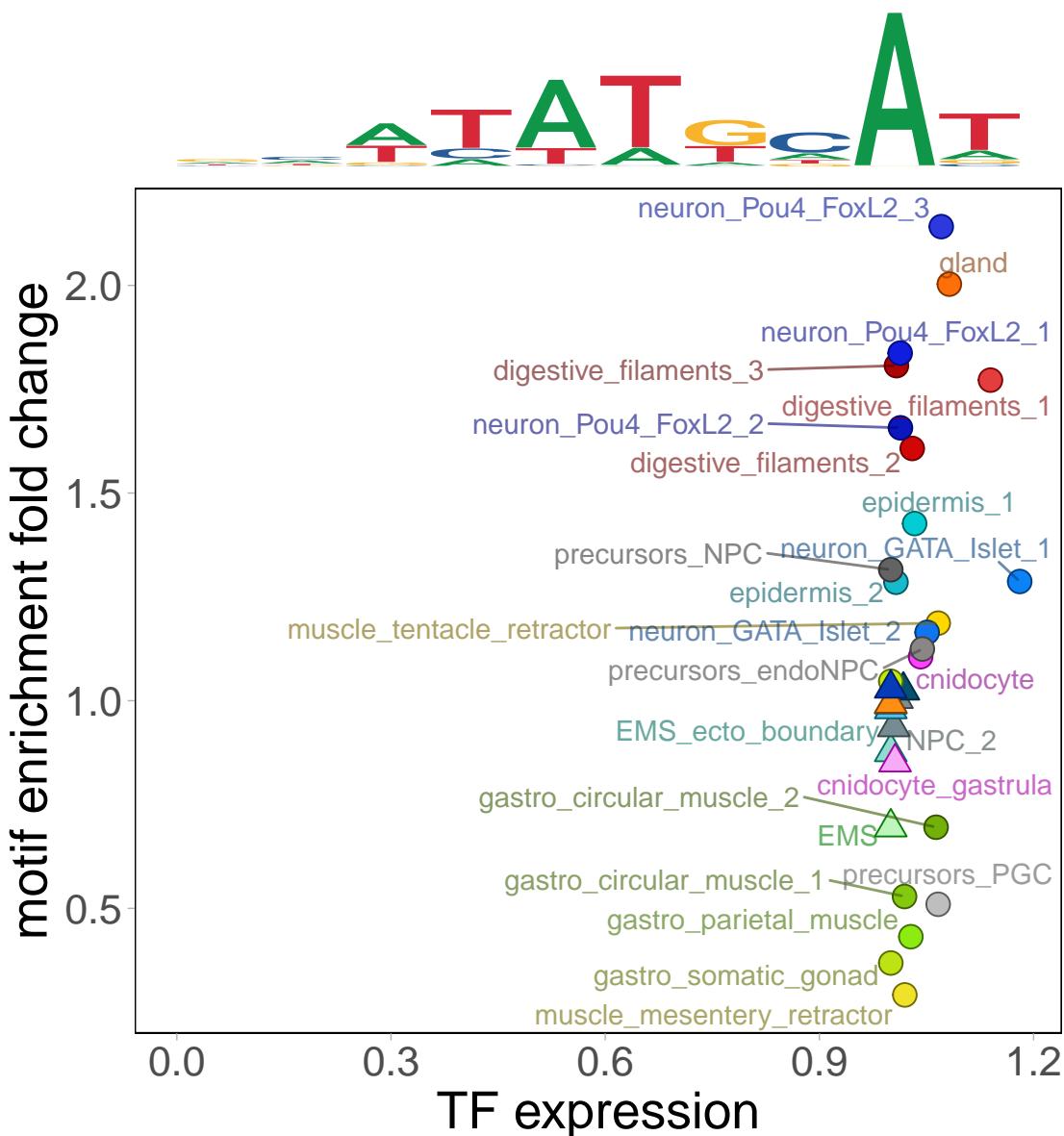
Nvec\_vc1.1\_XM\_032379398.2  
OG: Homeodomains.HG2.75:DMBX1  
PFAM: Homeodomain  
motif: M00490\_2.00  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.3489  
gene score correlation: 0.1239



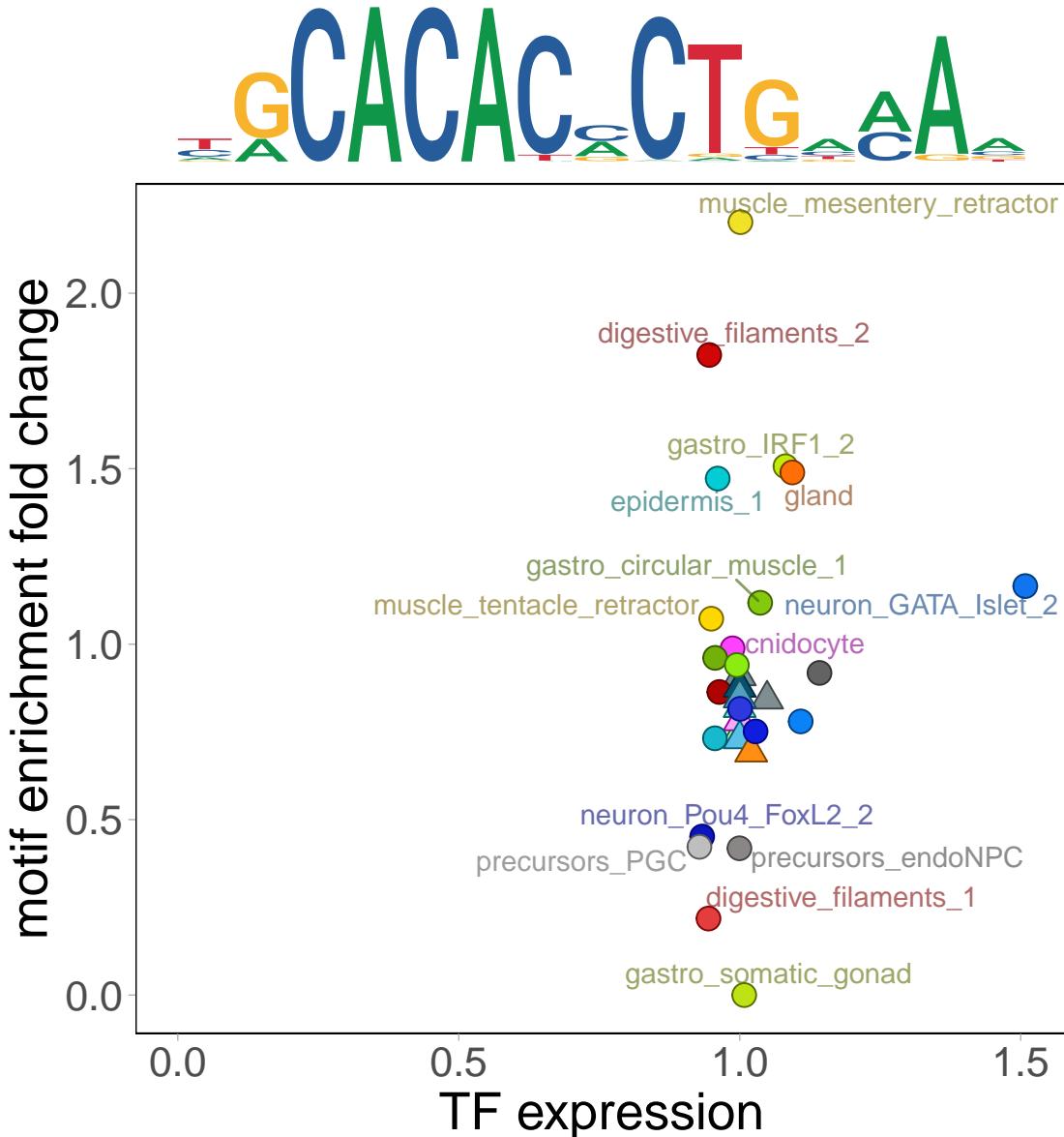
Nvec\_vc1.1\_XM\_032379400.2  
OG: Homeodomains.HG2.76:like:DMB  
PFAM: Homeodomain  
motif: Nvec\_vc1.1\_XM\_032379400.2\_H  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.6775  
gene score correlation: 0.4166



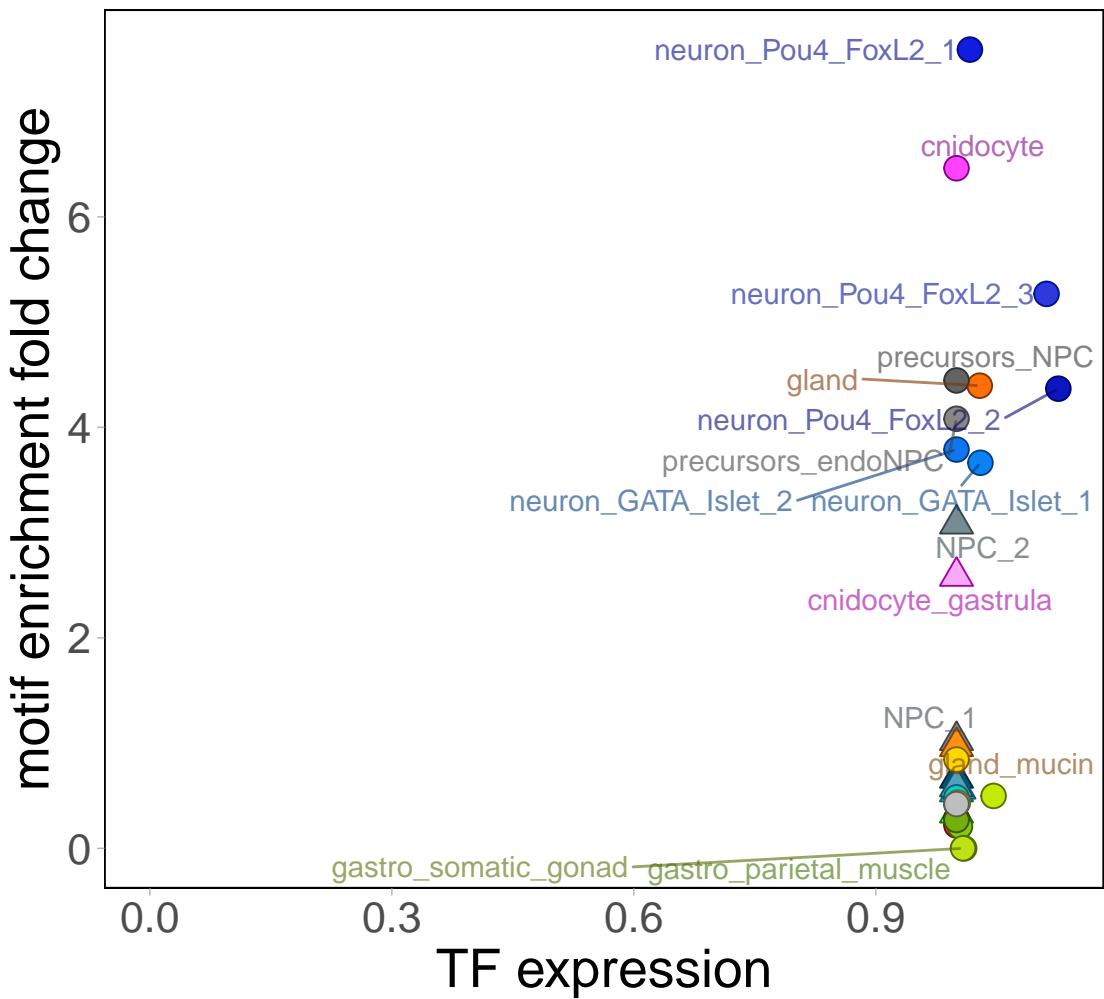
Nvec\_vc1.1\_XM\_032379457.2  
OG: Homeodomains.HG4.2:POU1F1  
PFAM: Pou/Homeodomain  
motif: Nvec\_vc1.1\_XM\_032379457.2\_H  
TF family: Pou/Homeodomain  
archetype family: Pou/Homeodomain  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.3157  
gene score correlation: 0.0743



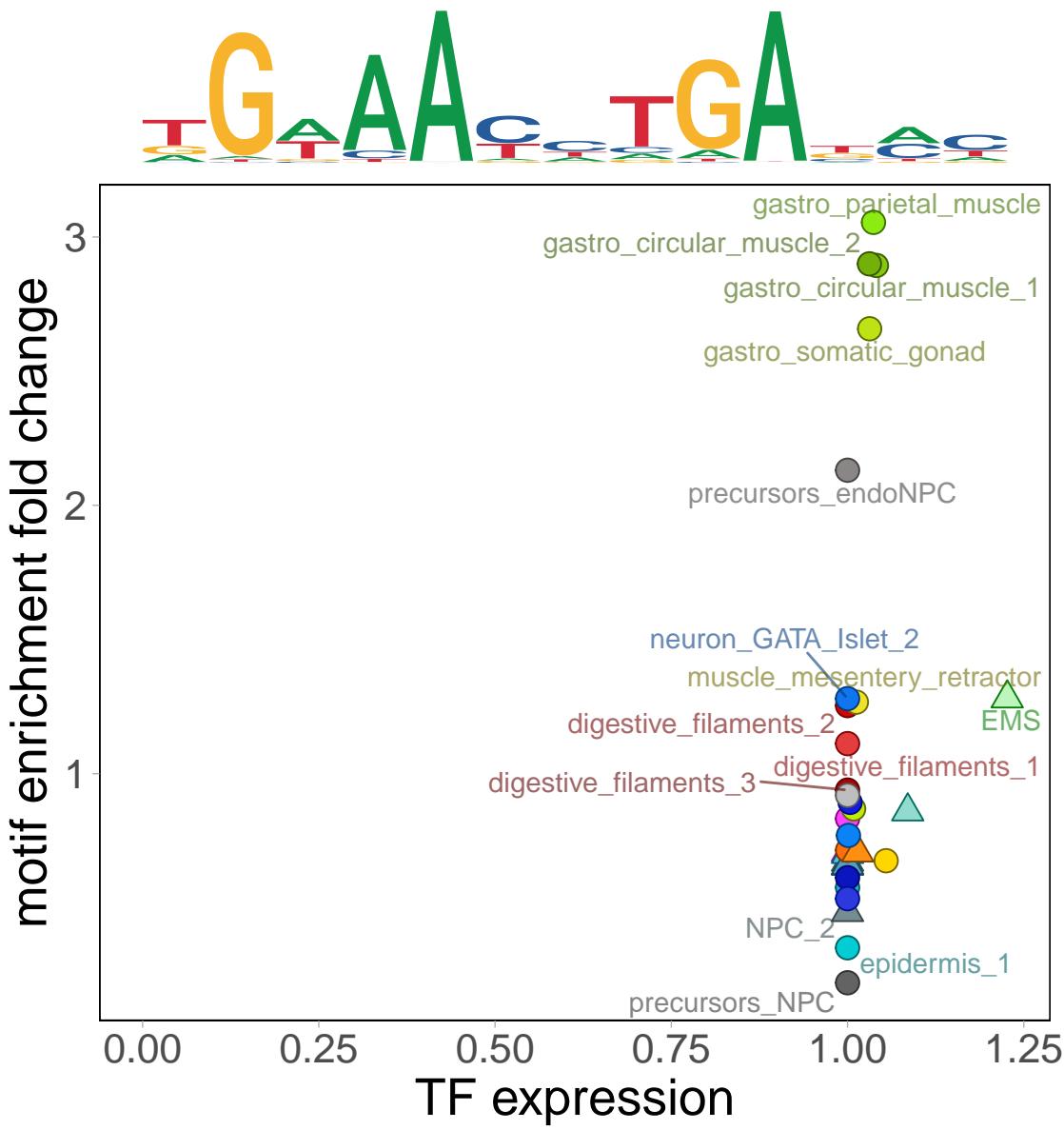
Nvec\_vc1.1\_XM\_032379498.2  
OG: zf-C2H2.HG1.6:like:AC008758.1/A  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2\_4  
motif: ARCH1368\_M04483\_2.00\_\_M04  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 52  
gene expression correlation: 0.1718  
gene score correlation: 0.3505



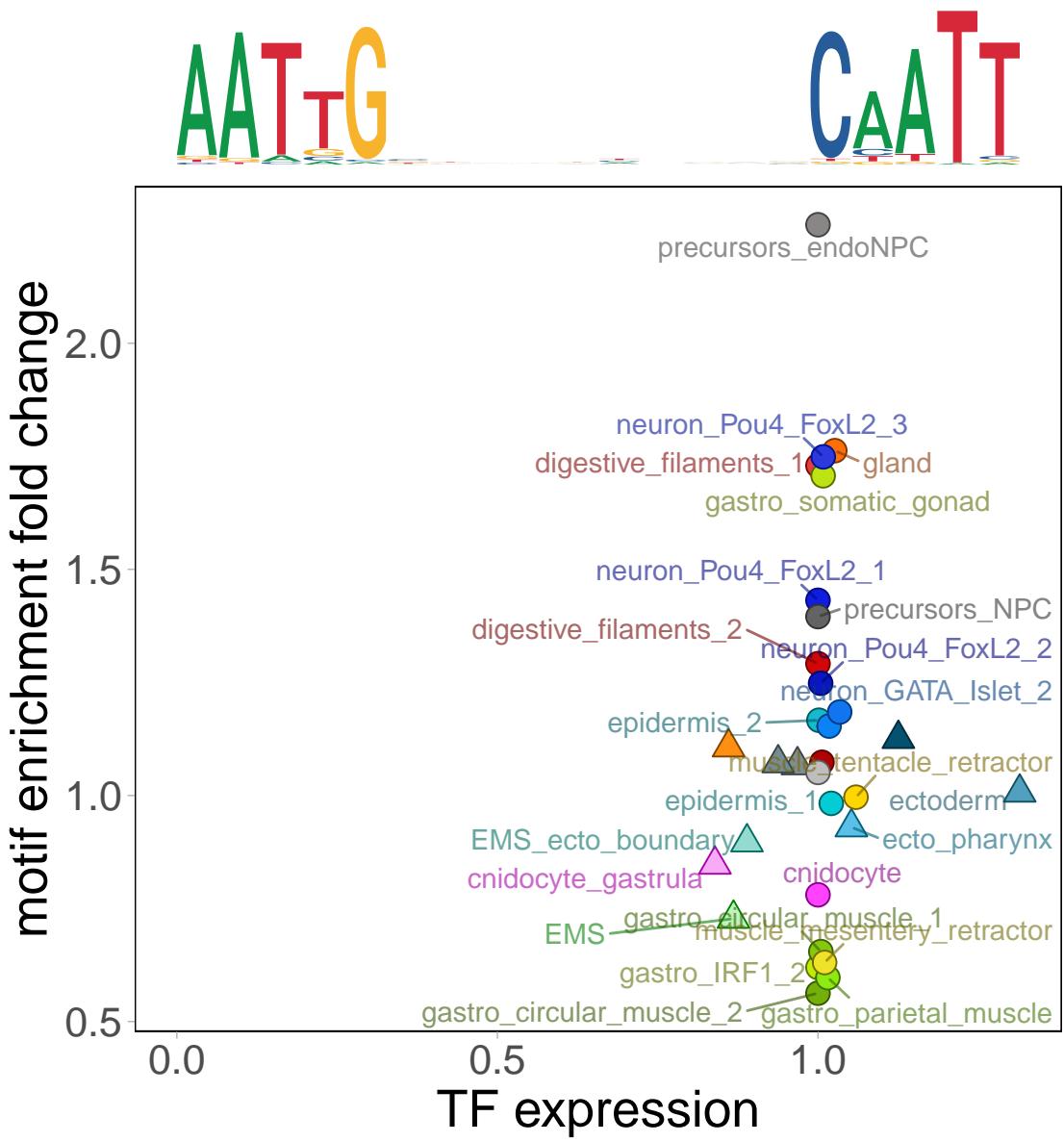
Nvec\_vc1.1\_XM\_032379677.2  
OG: zf-C2H2.HG1.35:FEZF1/FEZF2/G  
PFAM: zf-C2H2/zf-C2H2\_6/zf-C2H2/zf-C2H2\_1  
motif: ARCH530\_Snai2  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 201  
gene expression correlation: 0.4025  
gene score correlation: 0.2796



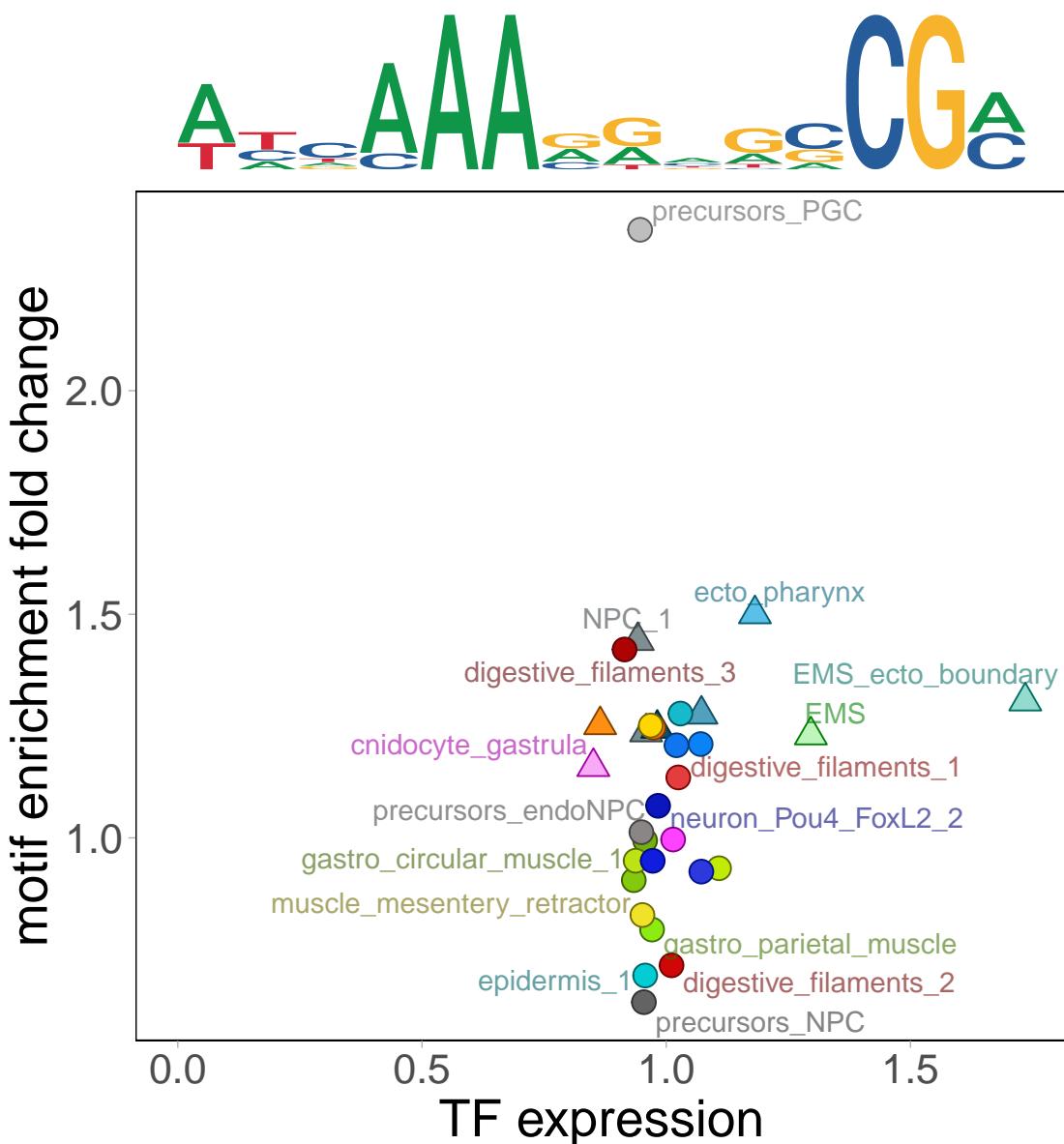
Nvec\_vc1.1\_XM\_032379723.2  
OG: Homeodomains.HG2.66:ALX1/ALX  
PFAM: Homeodomain/OAR  
motif: ARCH1362\_Six1/\_Six4/Six5  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 8  
gene expression correlation: 0.2337  
gene score correlation: 0.6162



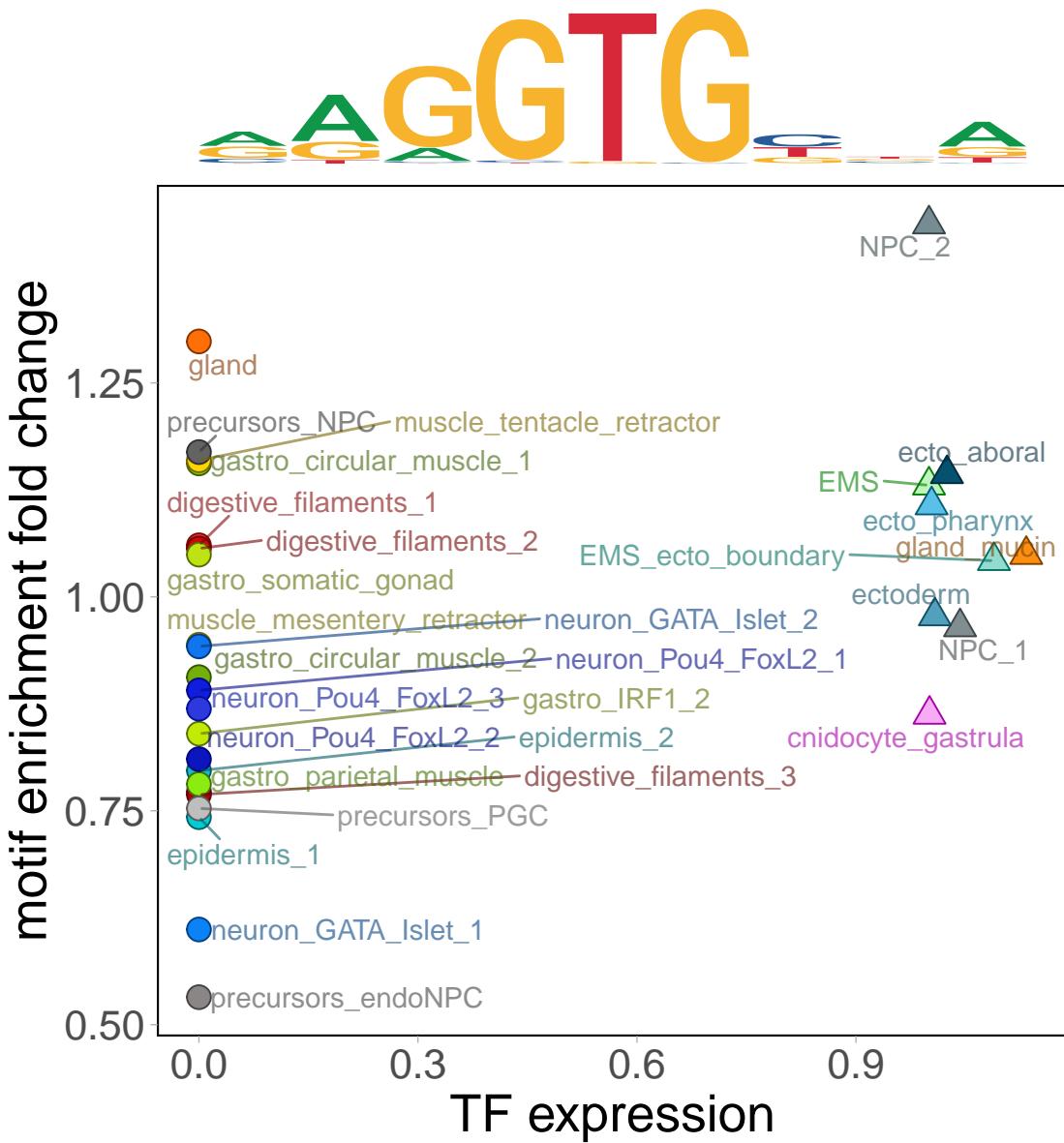
Nvec\_vc1.1\_XM\_032380001.2  
OG: Homeodomains.HG1.27:like:AC004  
PFAM: Homeodomain  
motif: ARCH294\_Emx1/Emx2\_Hmx1/Hr  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 1669  
gene expression correlation: 0.0868  
gene score correlation: -0.0533



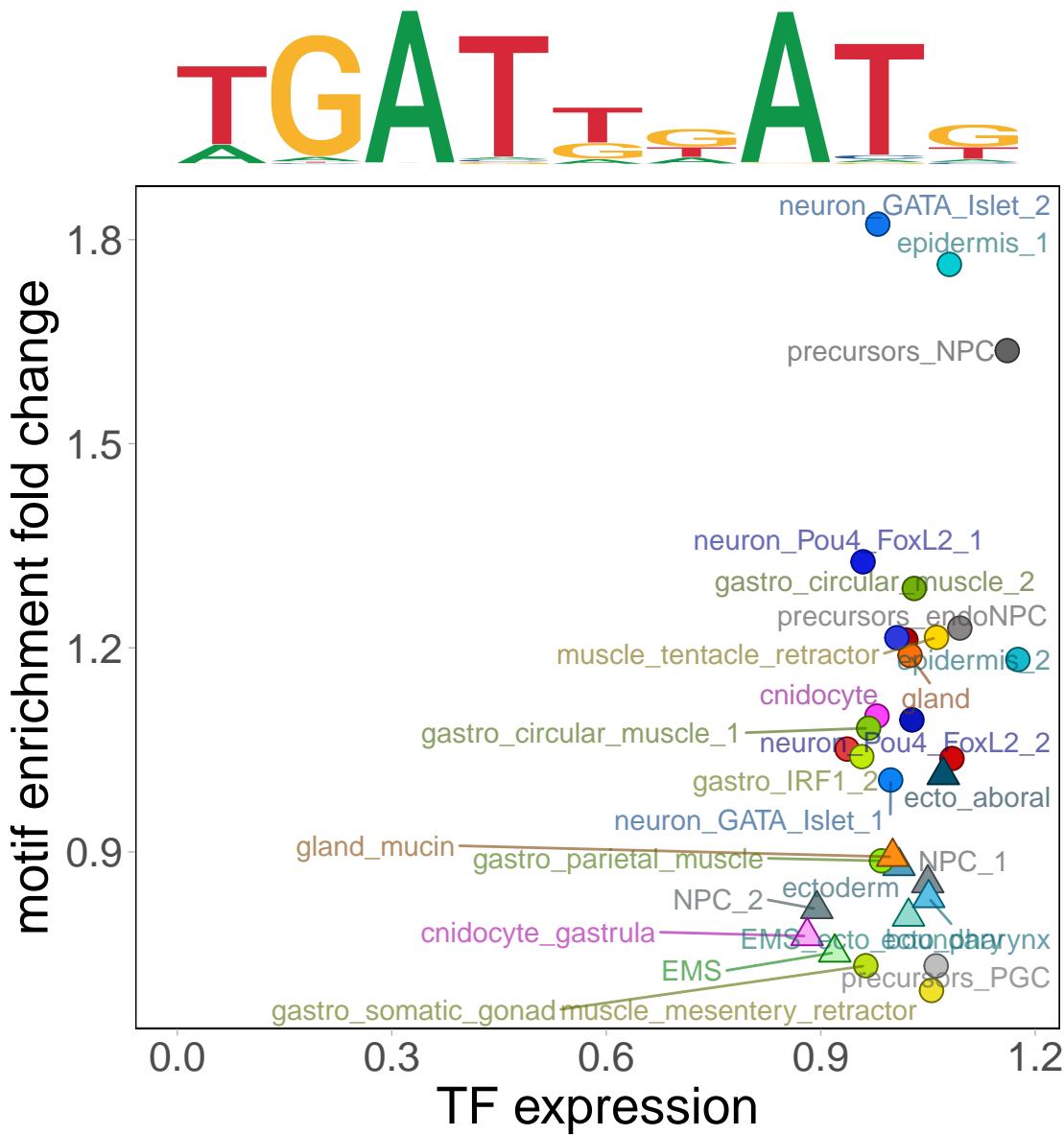
Nvec\_vc1.1\_XM\_032380131.2  
OG: HMGbox\_Sox.HG1.38:SSRP1  
PFAM: POB3\_N/SSrecog/Rtt106/HMG  
motif: ARCH1159\_/Lef1/Tcf7l1/Tcf7  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: FALSE  
rank: 31  
gene expression correlation: 0.1119  
gene score correlation: 0.1883



Nvec\_vc1.1\_XM\_032380148.2  
OG: T-box.HG1.2:like:MGA/TBX1/TBX2  
PFAM: T-box  
motif: ARCH485\_Tbx3/Tbx2  
TF family: T-box  
archetype family: T-box  
CisBP assigned: FALSE  
rank: 1  
gene expression correlation: 0.4013  
gene score correlation: 0.3836



Nvec\_vc1.1\_XM\_032380190.2  
OG: Homeodomains.HG3.20:MEIS1/MEIS2  
PFAM: Meis\_PKNOX\_N/Homeobox\_KN  
motif: ARCH146\_Alx3/Alx4/Alx1\_Barx...  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: TRUE  
rank: 214  
gene expression correlation: 0.3480  
gene score correlation: 0.4603



Nvec\_vc1.1\_XM\_032380209.2

OG: HLH.HG1.40:USF1/USF2

PFAM: HLH

motif: ARCH1569\_FEA4\_E-box

TF family: HLH

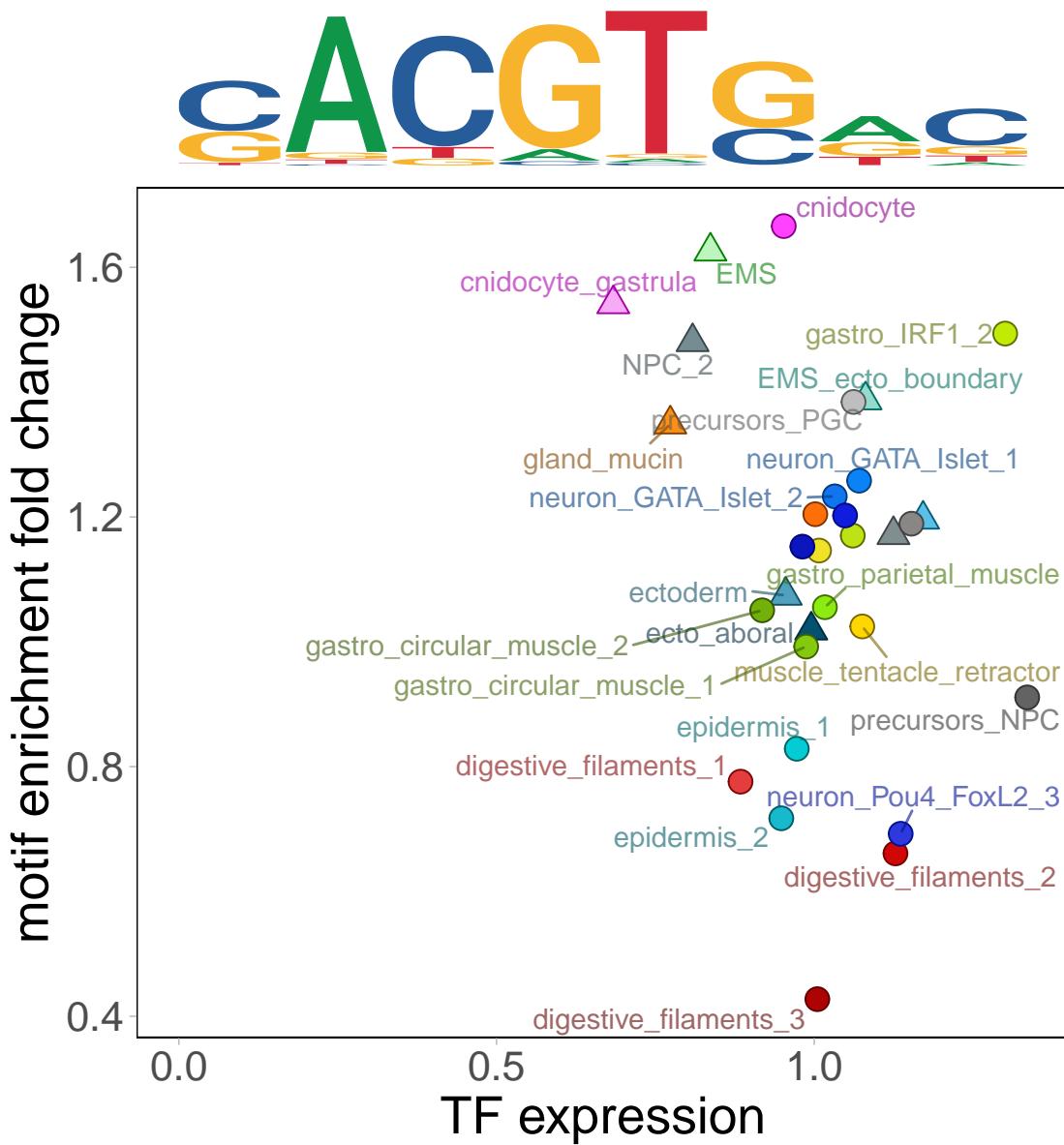
archetype family: HLH

CisBP assigned: FALSE

rank: 32

gene expression correlation: -0.2377

gene score correlation: 0.1019



Nvec\_vc1.1\_XM\_032380334.2

OG: RFX.HG1.6:like:RFX6

PFAM: RFX\_DNA\_binding

motif: ARCH864\_/Rfx5

TF family: RFX

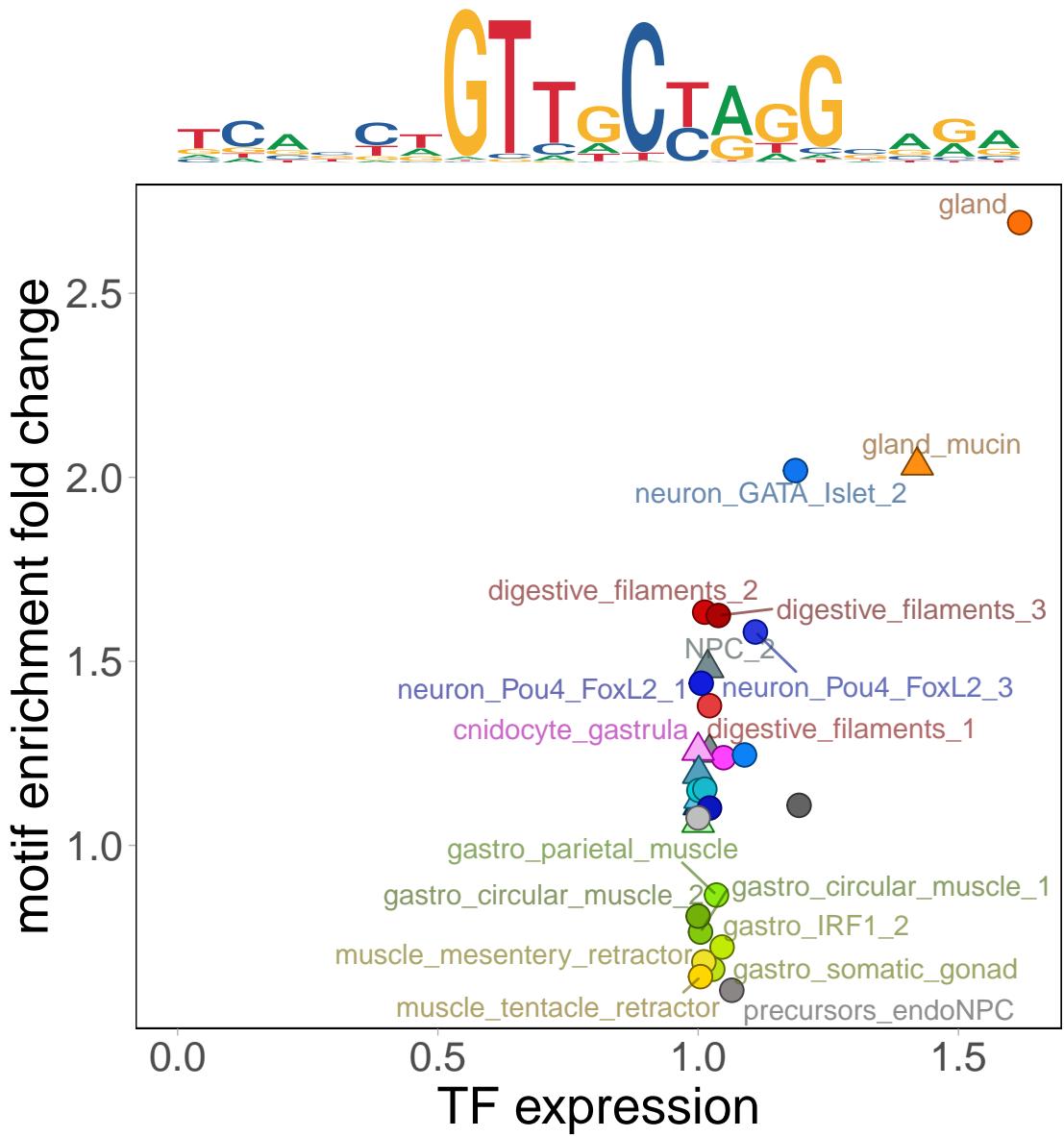
archetype family: RFX

CisBP assigned: FALSE

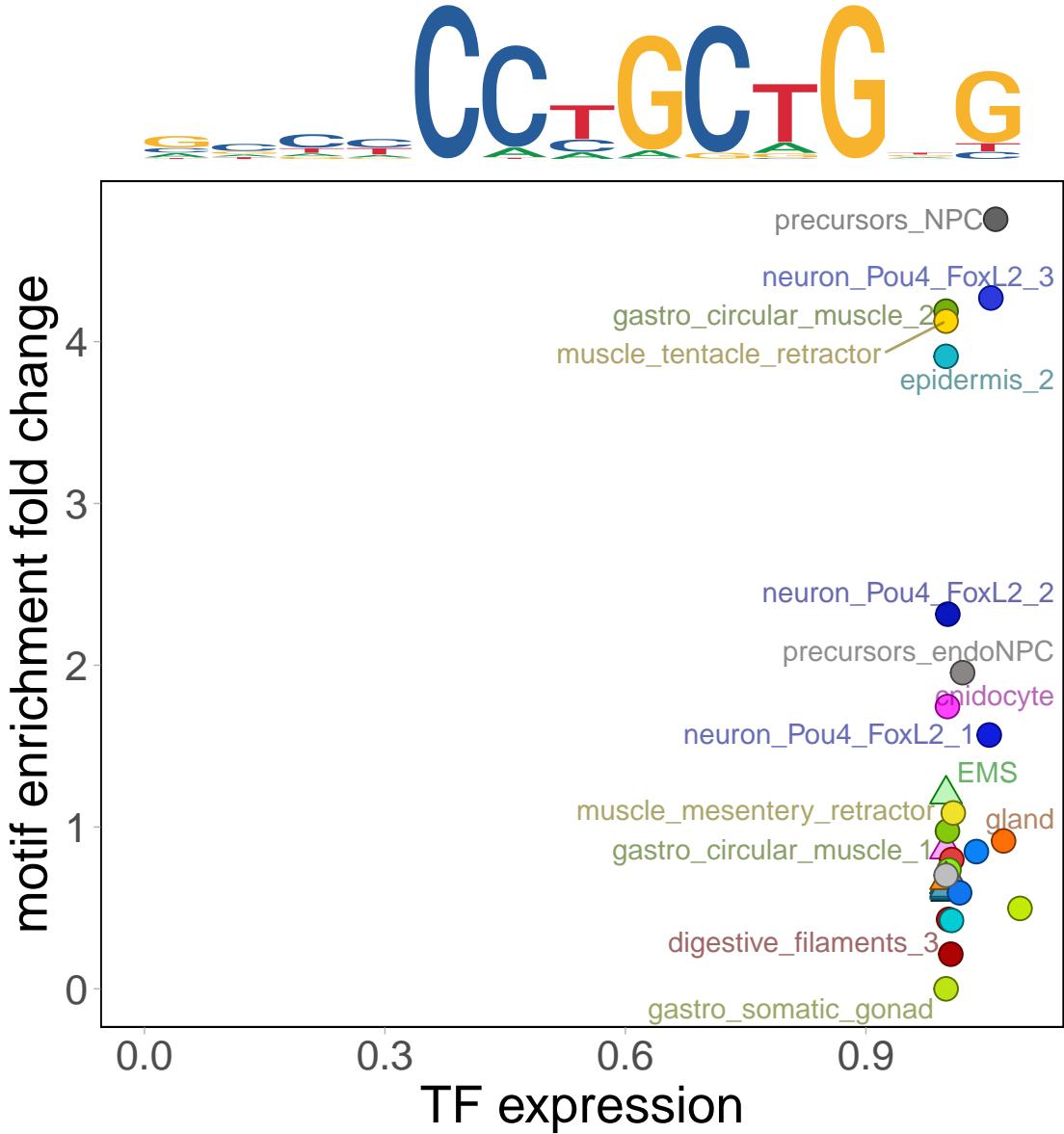
rank: 2

gene expression correlation: 0.7379

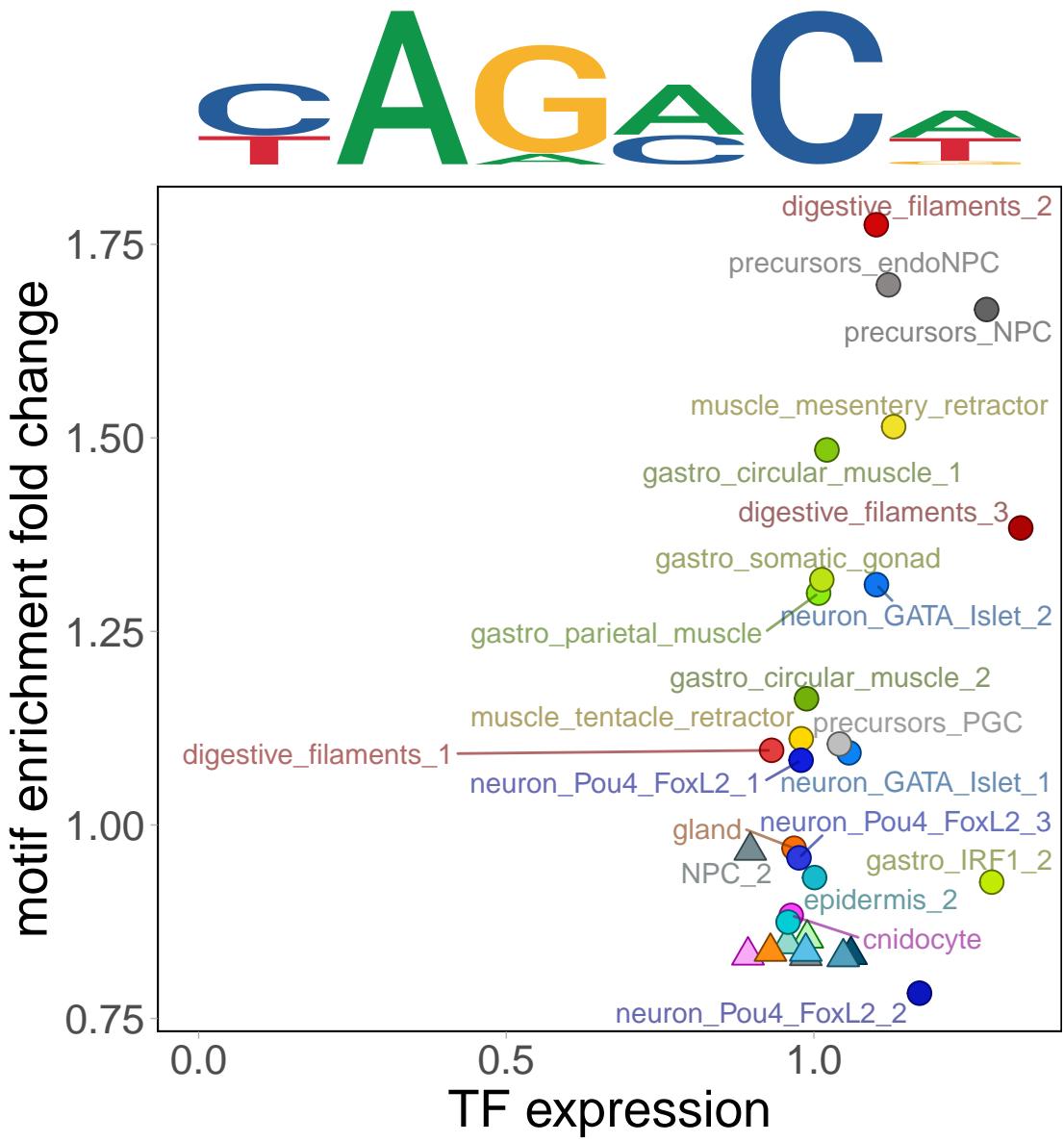
gene score correlation: 0.6519



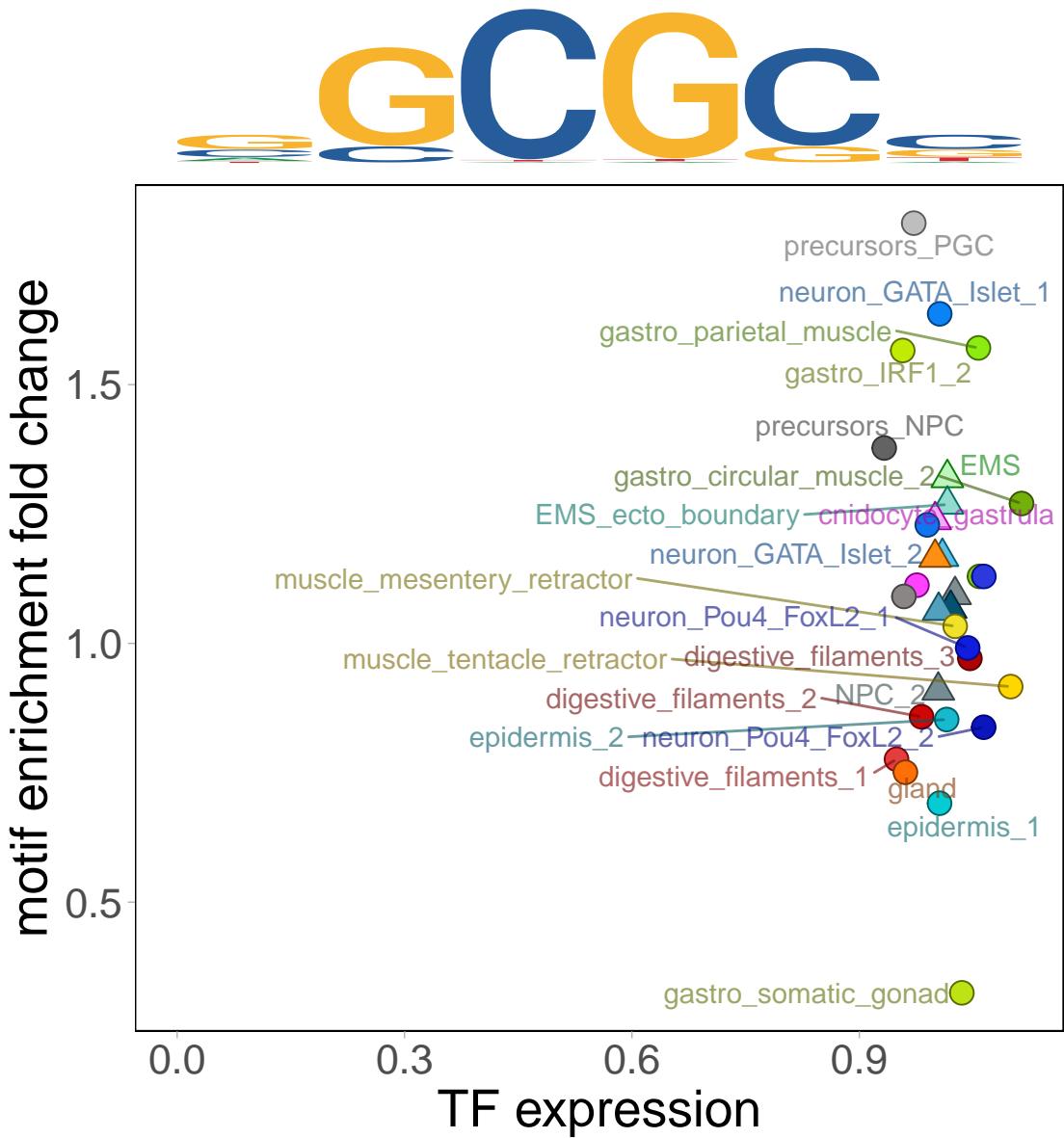
Nvec\_vc1.1\_XM\_032380417.2  
OG: zf-C2H2.HG2.2:like:MTF1/ZNF76/  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH496\_Zic3  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 18  
gene expression correlation: 0.1950  
gene score correlation: 0.1756



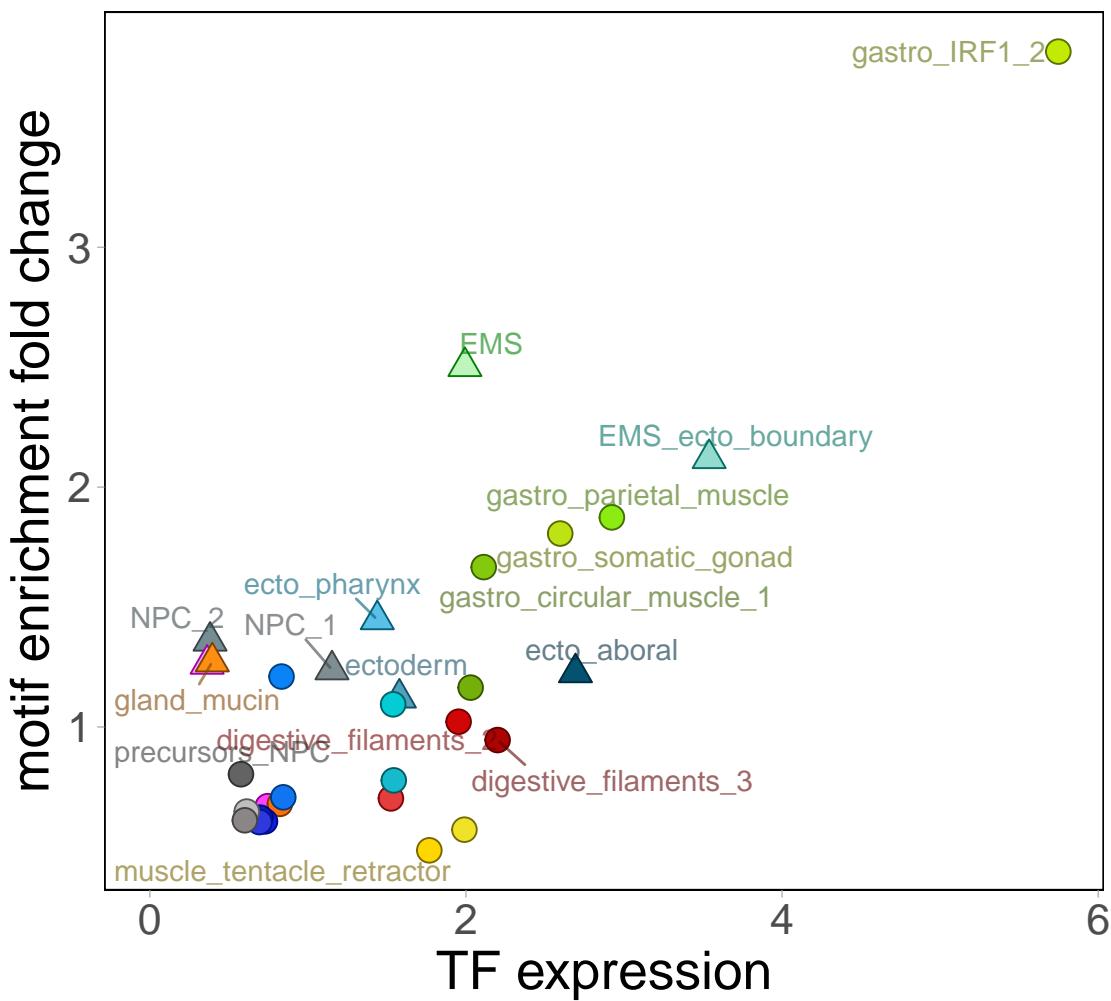
Nvec\_vc1.1\_XM\_032380573.2  
OG: SMAD\_MH1.HG1.0:SMAD6/SMAD  
PFAM: MH1/MH2  
motif: ARCH718\_Smad2/Smad3\_Smad  
TF family: SMAD\_MH1  
archetype family: SMAD\_MH1  
CisBP assigned: FALSE  
rank: 31  
gene expression correlation: 0.4735  
gene score correlation: 0.3820



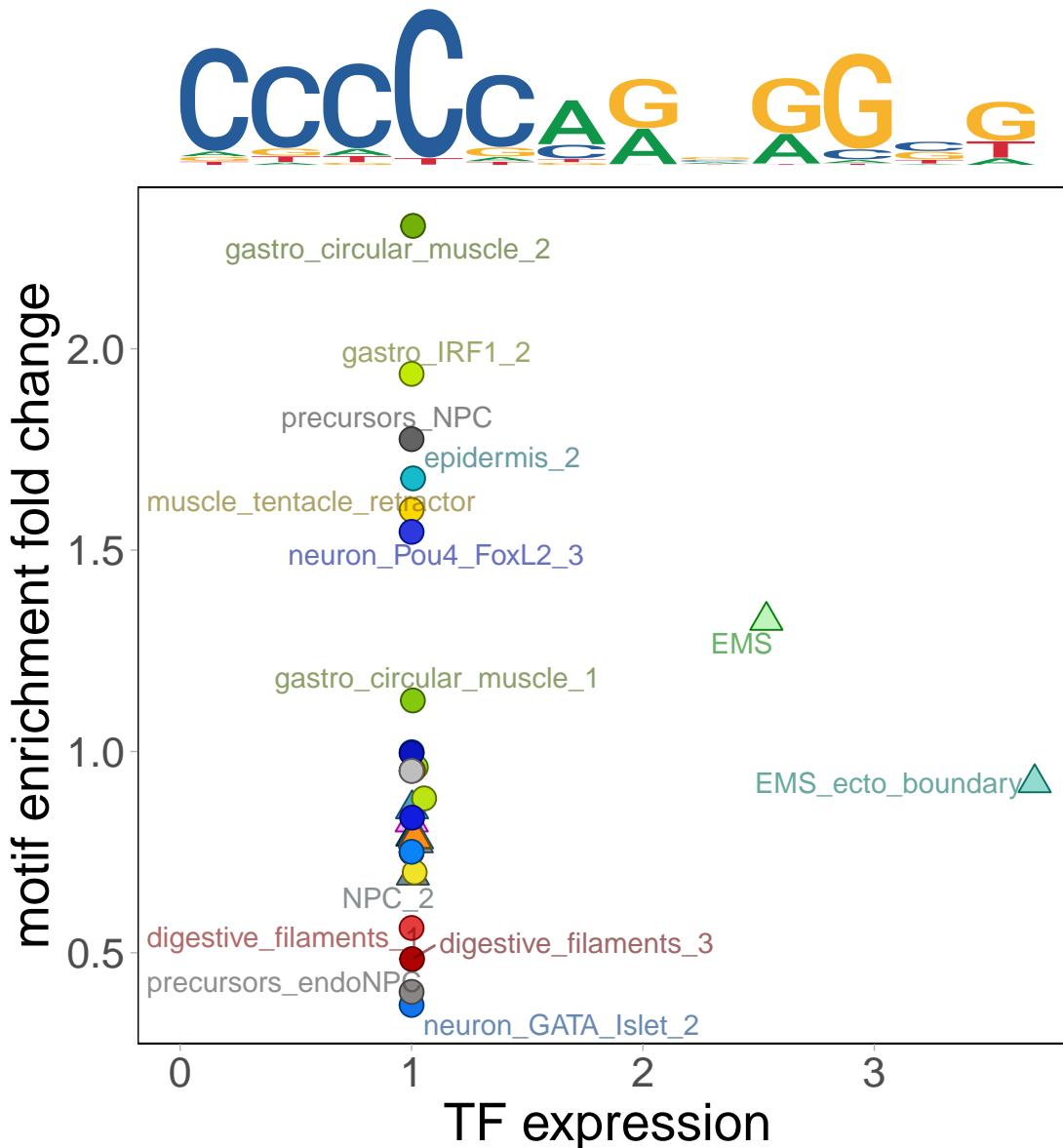
Nvec\_vc1.1\_XM\_032380735.2  
OG: E2F\_TDP.HG1.4:E2F1/E2F2/E2F3  
PFAM: E2F\_TDP/E2F\_CC-MB  
motif: ARCH394\_/E2f4\_E2f6\_E2f8/E2f7  
TF family: E2F\_TDP  
archetype family: E2F\_TDP  
CisBP assigned: FALSE  
rank: 328  
gene expression correlation: -0.1283  
gene score correlation: 0.1906



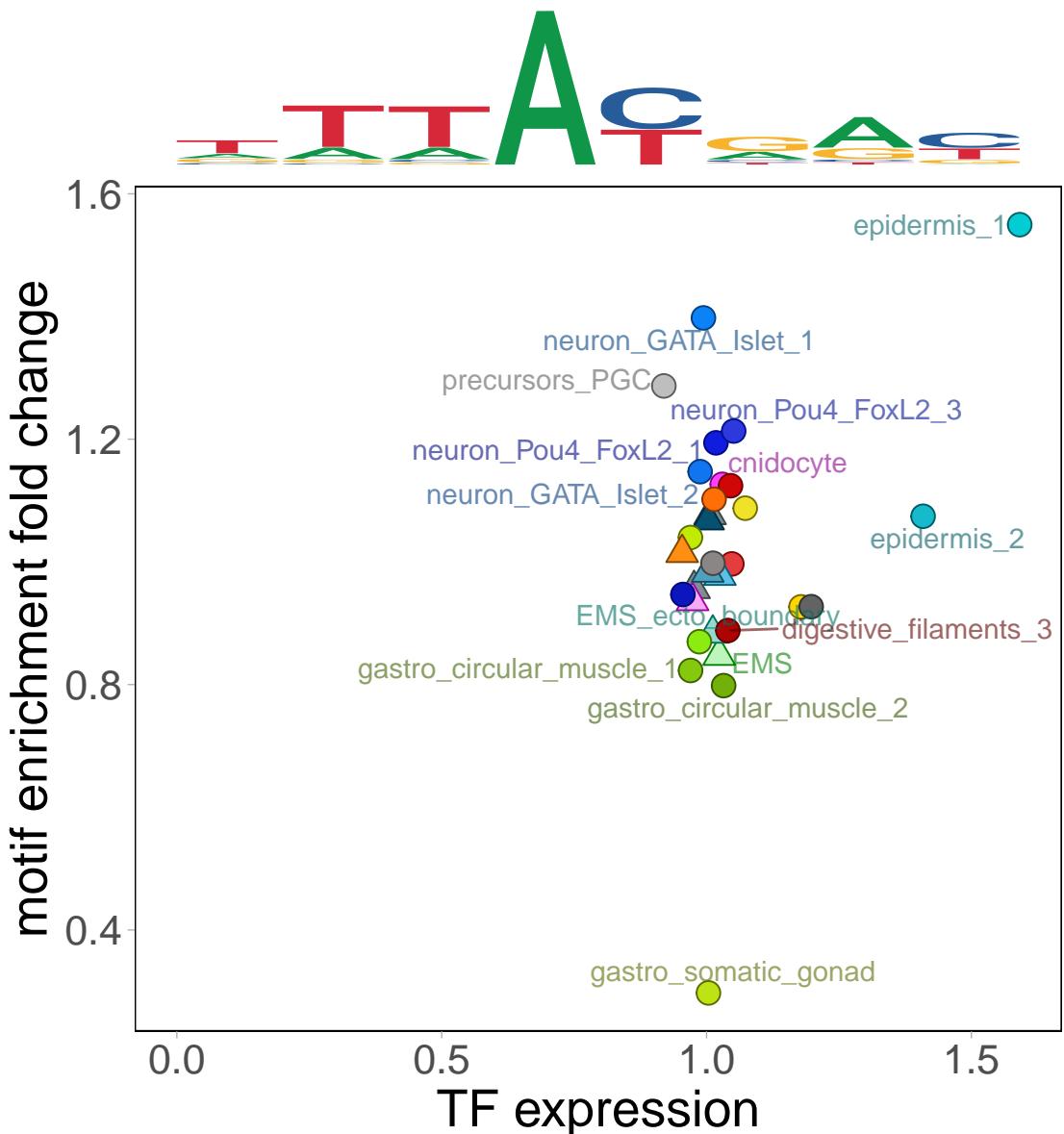
Nvec\_vc1.1\_XM\_032380975.2  
OG: Ets.HG1.5:ERF/ERFL/ERG/ETV3/ETV4  
PFAM: SAM\_PNT/Ets  
motif: ARCH584\_Elf3/Ehf/Elf5\_Erg/Foxo  
TF family: Ets  
archetype family: Ets  
CisBP assigned: TRUE  
rank: 162  
gene expression correlation: 0.7689  
gene score correlation: 0.4615



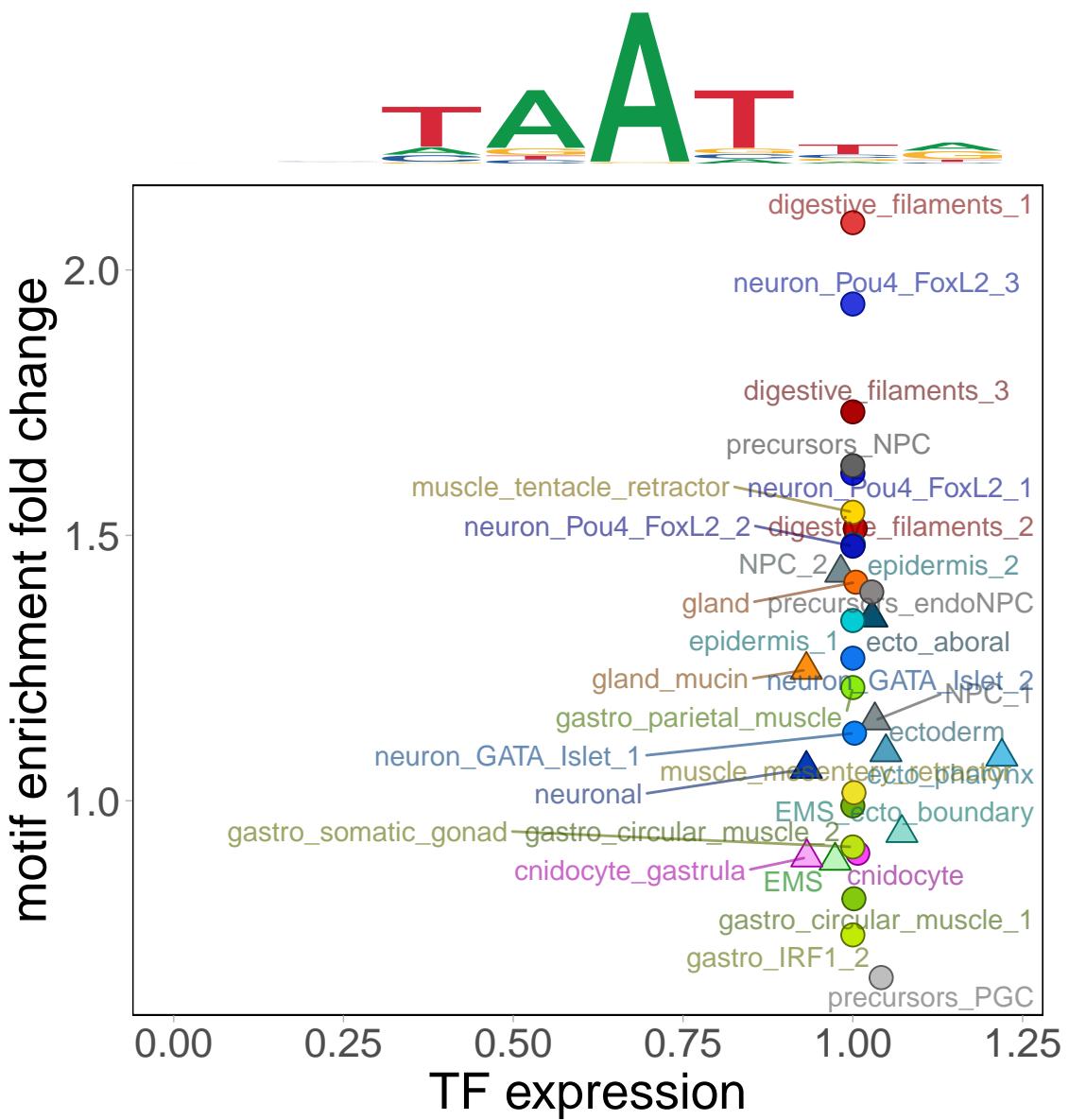
Nvec\_vc1.1\_XM\_032381020.2  
OG: zf-C2H2.HG4.7:like:ZIC1/ZIC2/ZIC  
PFAM: zf\_ZIC/zf-C2H2/zf-C2H2  
motif: ARCH386\_PB0102.1\_Zic2\_1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 104  
gene expression correlation: 0.0313  
gene score correlation: 0.3409



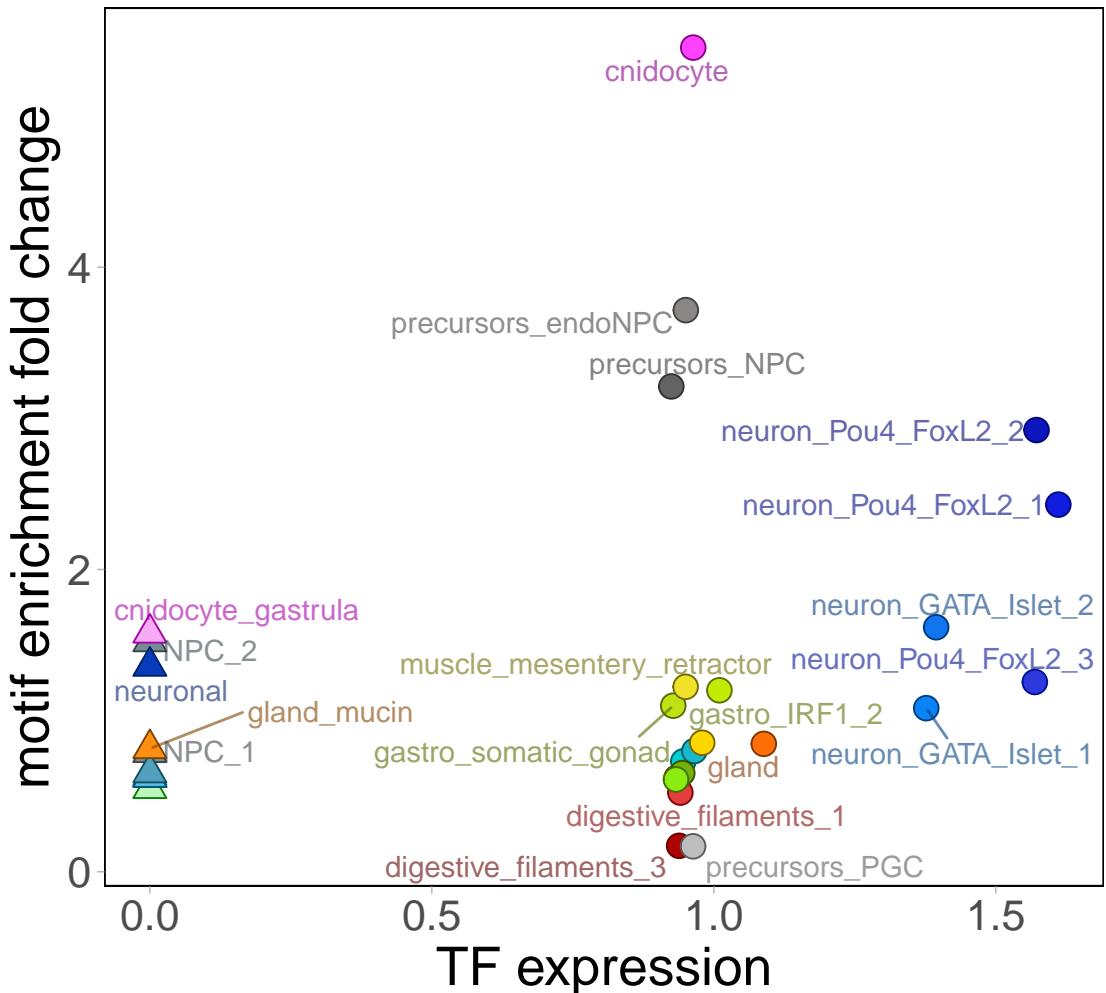
Nvec\_vc1.1\_XM\_032381059.2  
OG: Homeodomains.HG3.2:CERS2/CE  
PFAM: Homeodomain/TRAM\_LAG1\_CL  
motif: ARCH1315\_M05248\_2.00  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 85  
gene expression correlation: 0.3448  
gene score correlation: 0.4331



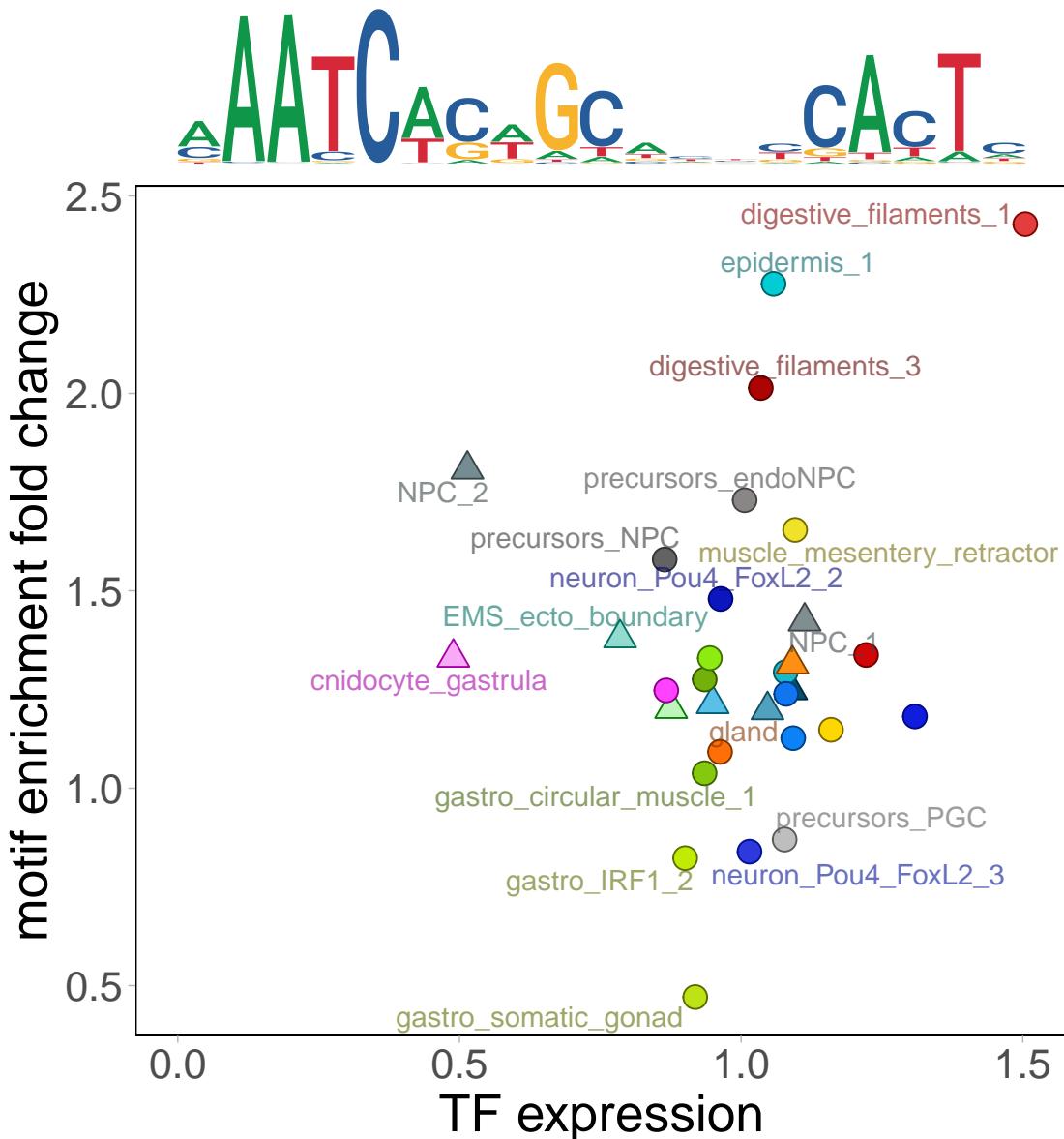
Nvec\_vc1.1\_XM\_032381099.2  
OG: Homeodomains.HG1.27:like:AC004  
PFAM: Homeodomain  
motif: M00525\_2.00  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.0884  
gene score correlation: -0.2703



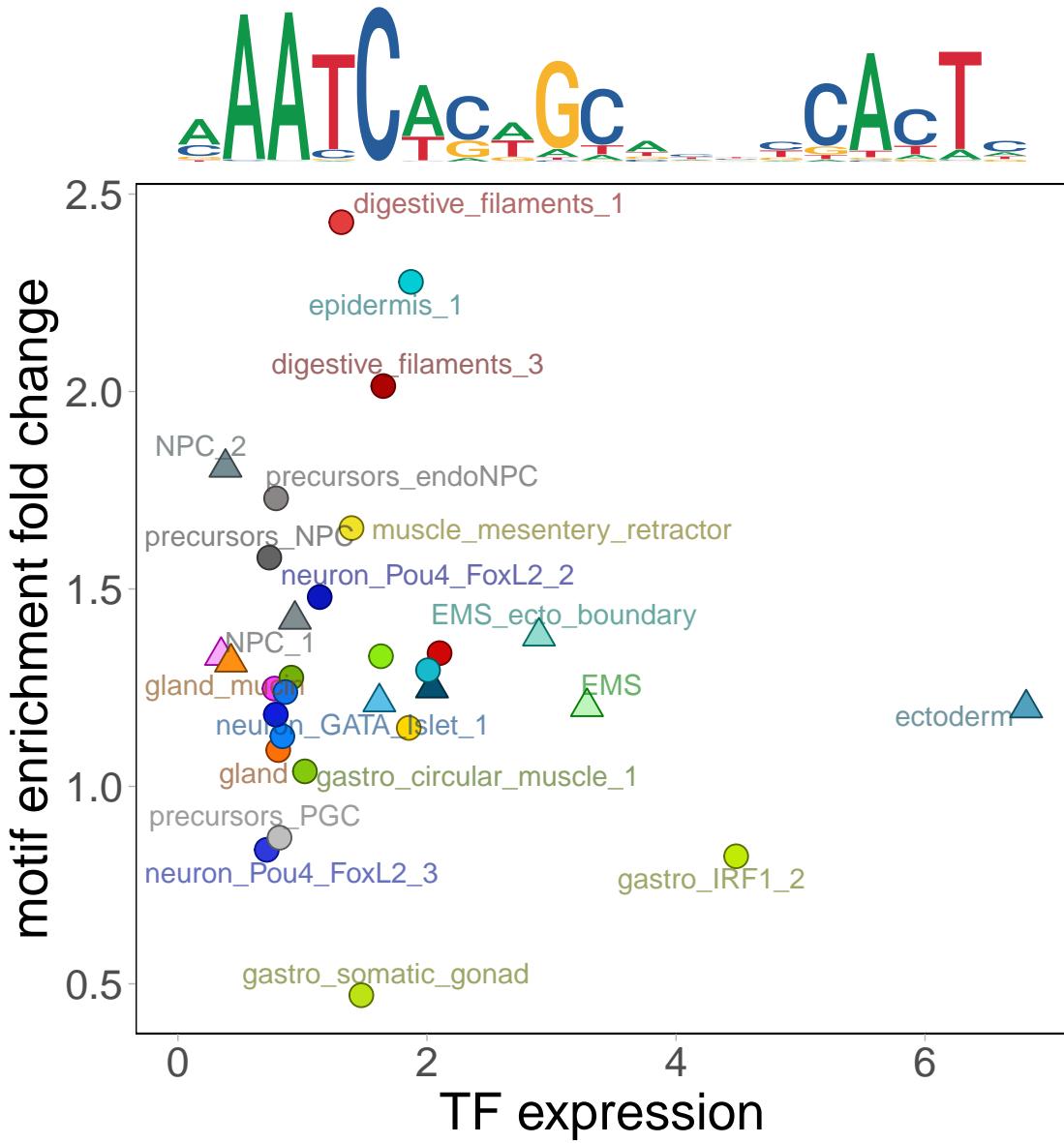
Nvec\_vc1.1\_XM\_032381270.2  
OG: zf-C2H2.HG7.4:SCRT1/SCRT2  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: Scrt2/Scrt1\_241030\_dimont  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.2740  
gene score correlation: 0.1047



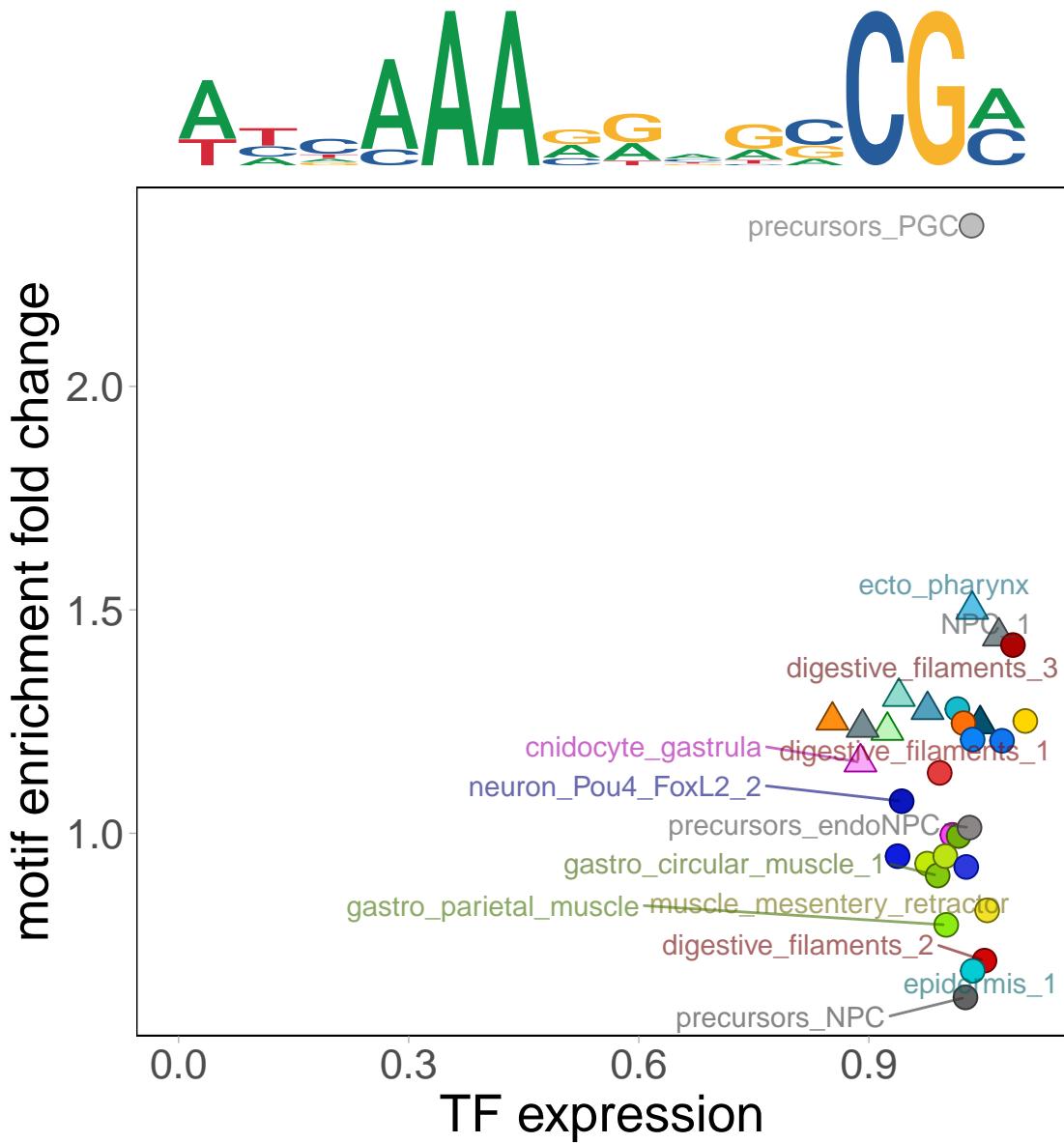
Nvec\_vc1.1\_XM\_032381562.2  
OG: zf-C2H2.HG2.18:like:KLF5/KLF6/K  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH1345\_Gfi1b/Gfi1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 25  
gene expression correlation: 0.1783  
gene score correlation: -0.0246



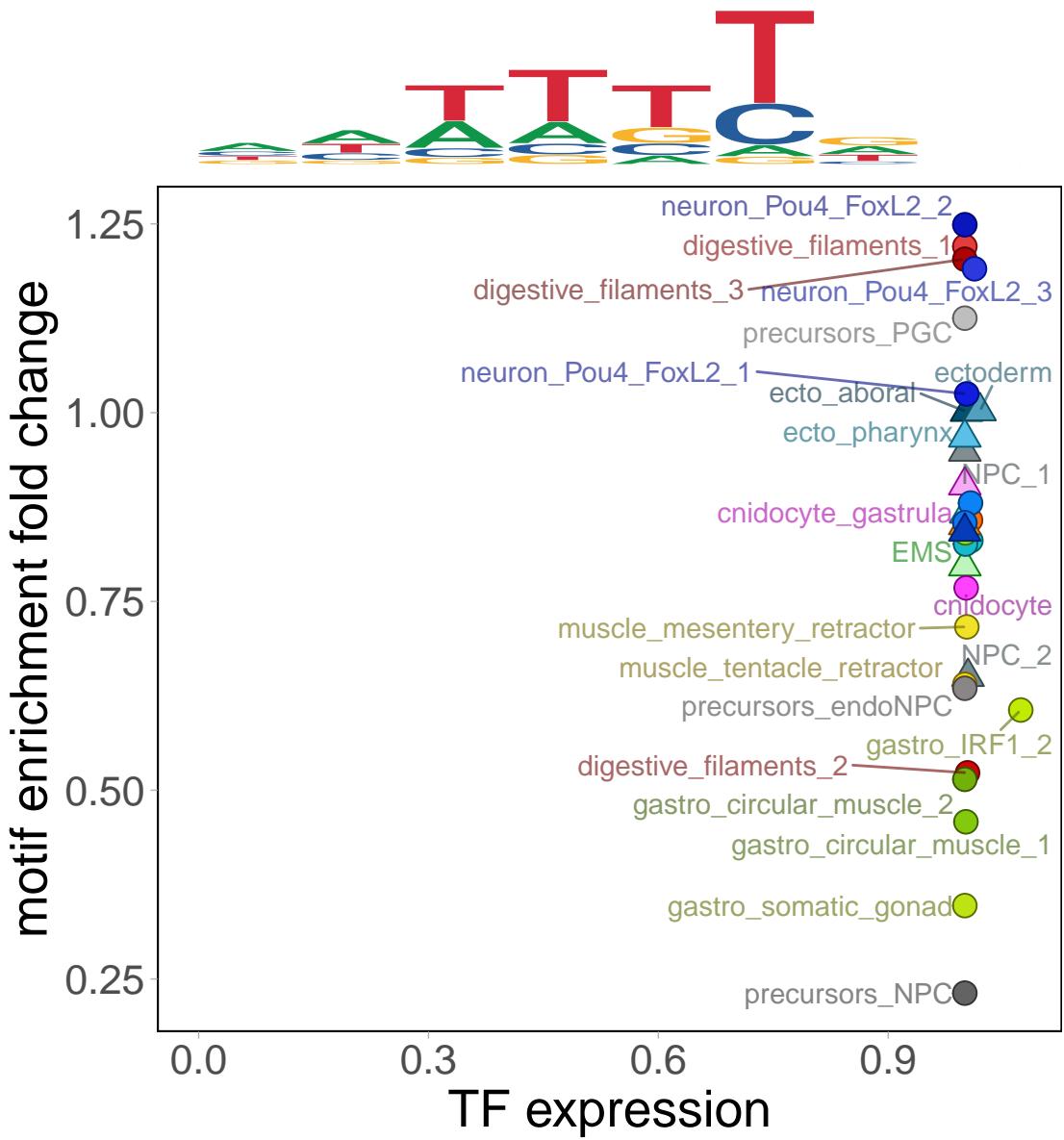
Nvec\_vc1.1\_XM\_032381586.2  
OG: zf-C2H2.HG2.21:KLF5  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH1345\_Gfi1b/Gfi1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 197  
gene expression correlation: -0.1243  
gene score correlation: 0.2711



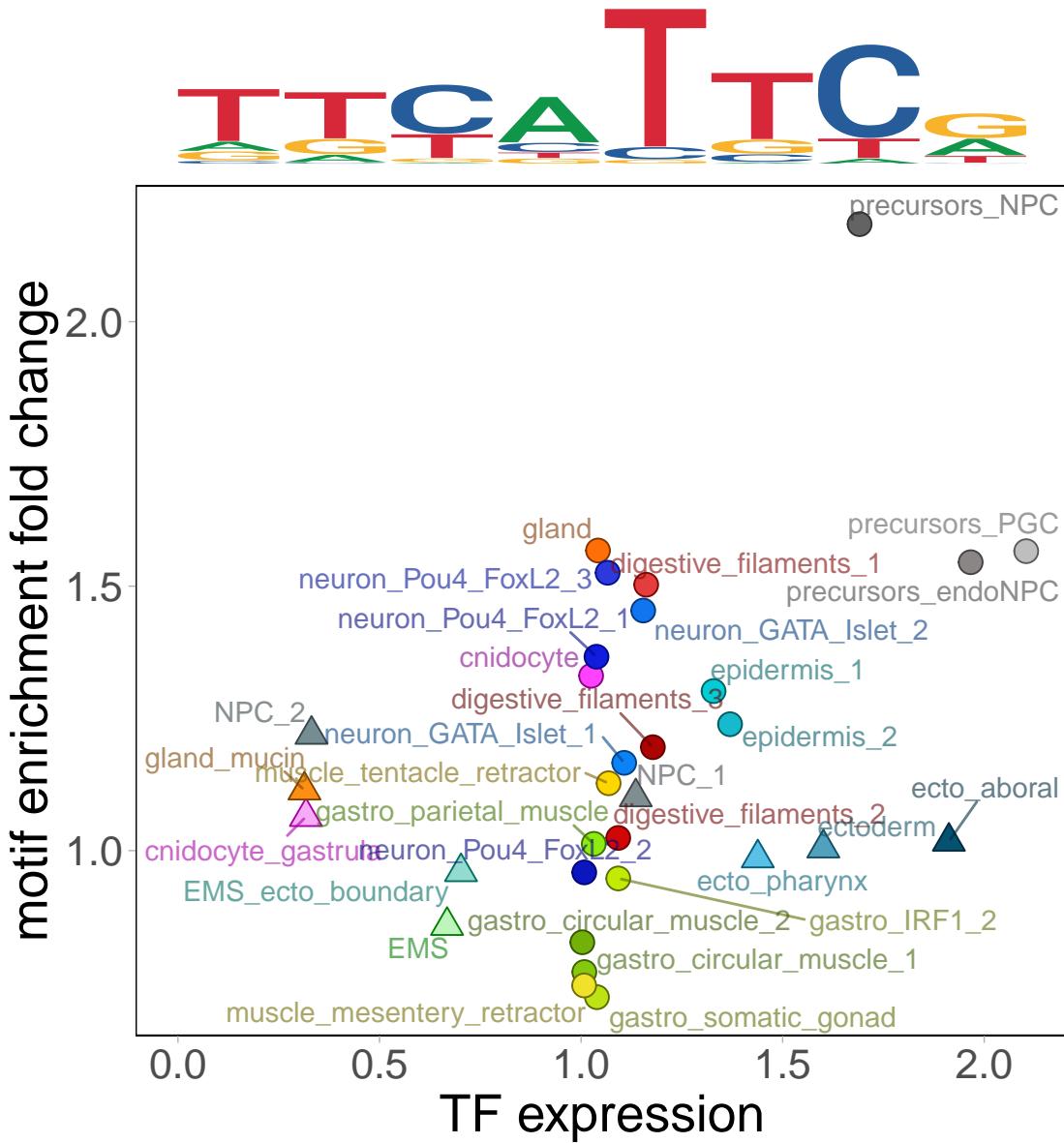
Nvec\_vc1.1\_XM\_032381587.2  
OG: HMGbox\_Sox.HG1.51:like:SMARC  
PFAM: HMG\_box  
motif: ARCH1159\_/Lef1/Tcf7l1/Tcf7  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: FALSE  
rank: 39  
gene expression correlation: 0.0364  
gene score correlation: 0.4536



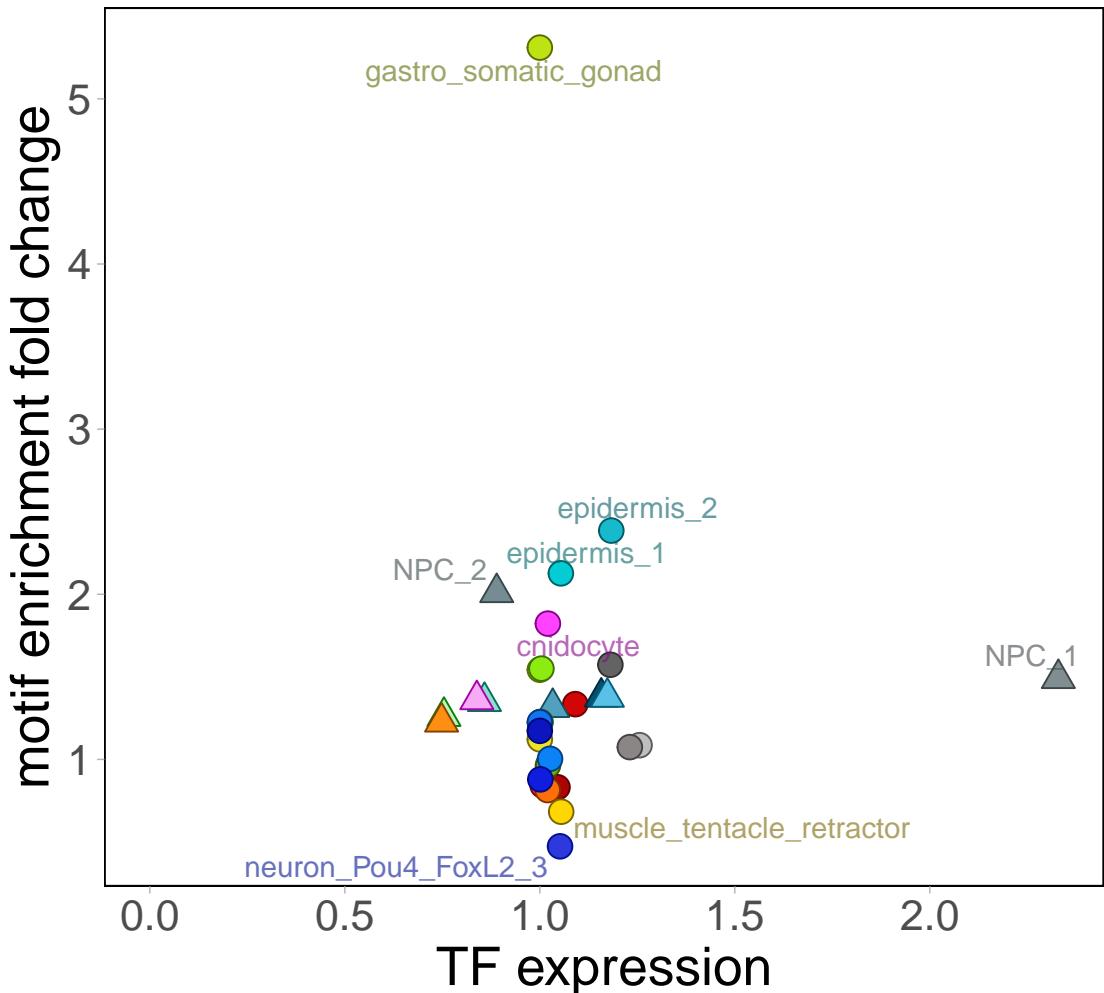
Nvec\_vc1.1\_XM\_032381617.2  
OG: Doublesex\_DM.HG1.18:like:DMRT  
PFAM: DM  
motif: M00654\_2.00  
TF family: Doublesex\_DM  
archetype family: Doublesex\_DM  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.0859  
gene score correlation: 0.0645



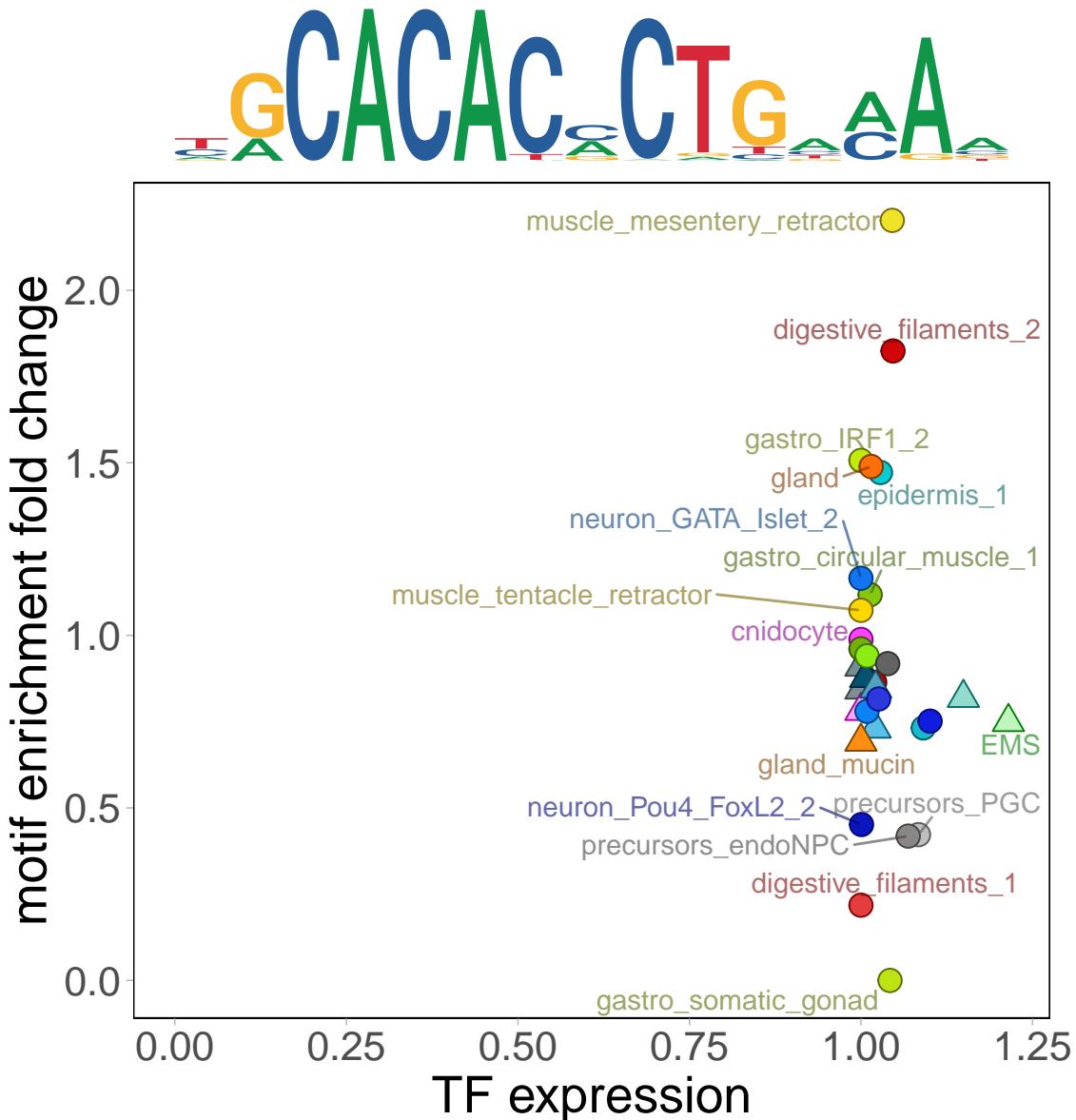
Nvec\_vc1.1\_XM\_032381719.2  
OG: zf-C2H2.HG1.122:ZNF367  
PFAM: zf-C2H2\_6/zf-C2H2  
motif: ARCH1204\_ARR1\_ZNF24  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 101  
gene expression correlation: 0.3872  
gene score correlation: 0.5284



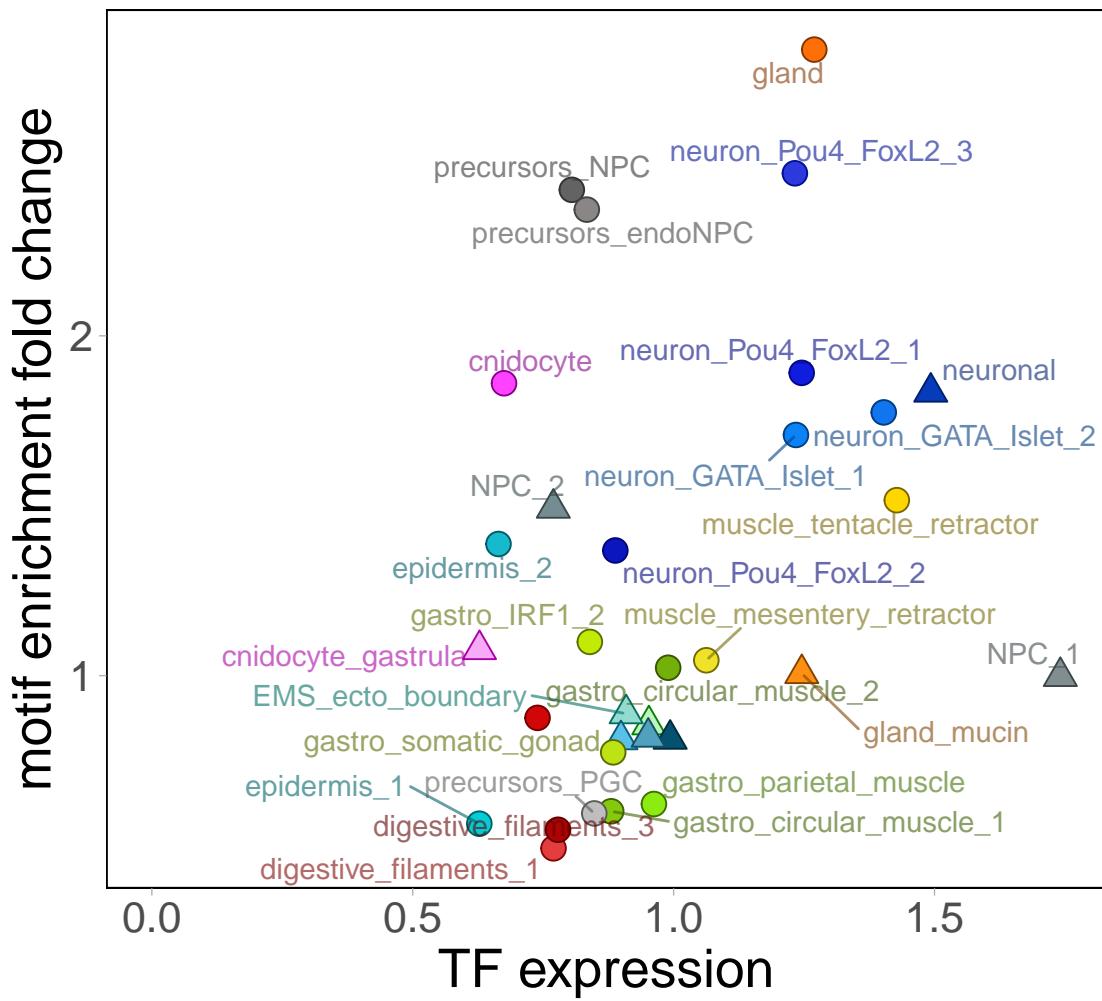
Nvec\_vc1.1\_XM\_032381869.2  
OG: HLH.HG1.64:like:ASCL1/ASCL2/A  
PFAM: HLH  
motif: ARCH1533\_BHLH112  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 31  
gene expression correlation: 0.0084  
gene score correlation: 0.2474



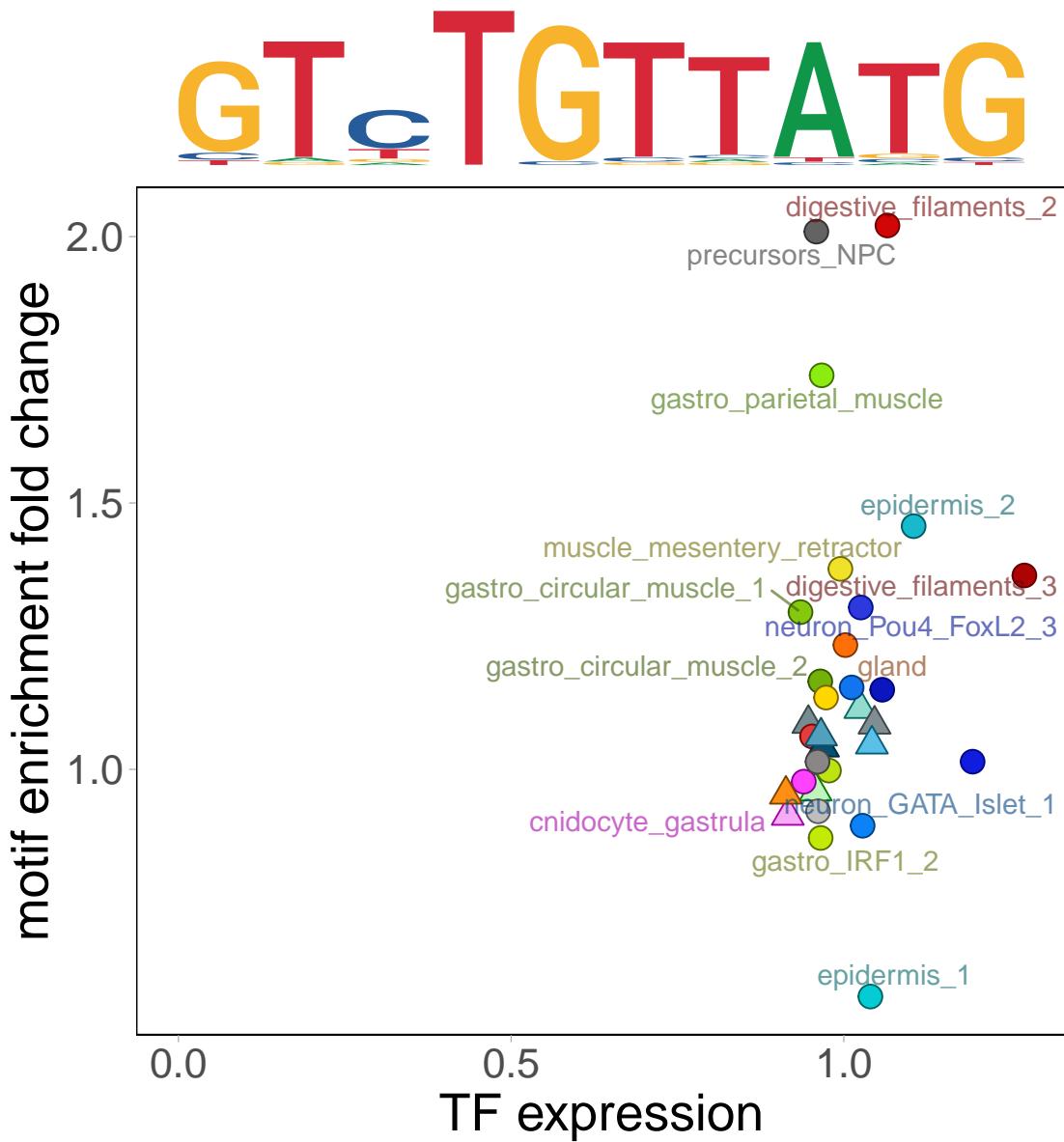
Nvec\_vc1.1\_XM\_032382002.2  
OG: zf-C2H2.HG8.0:ZNF576/ZNF683/Z  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: ARCH1368\_M04483\_2.00\_\_M04  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 246  
gene expression correlation: -0.1203  
gene score correlation: 0.1366



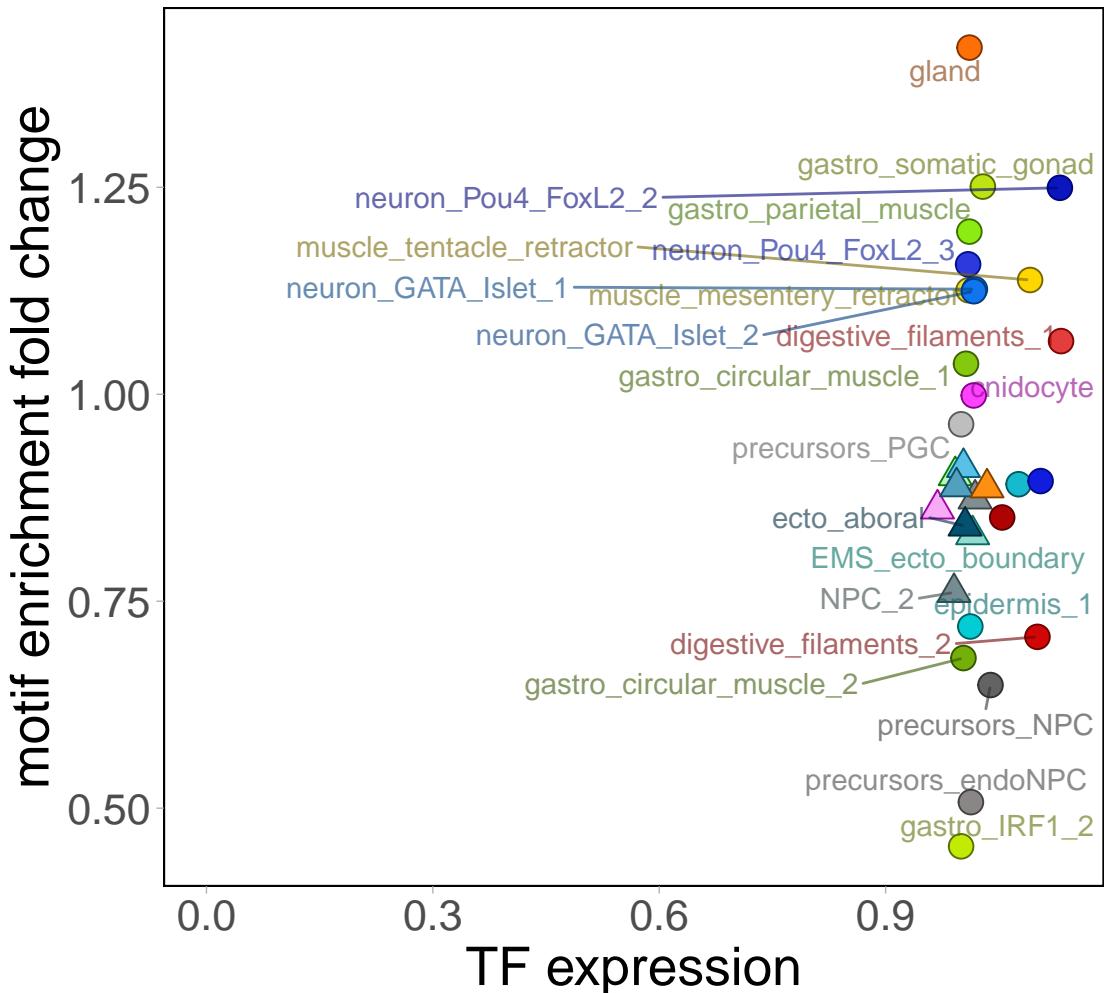
Nvec\_vc1.1\_XM\_032382158.2  
OG: HLH.HG1.45:TCF3/TCF4/TCF12  
PFAM: HLH  
motif: M08731\_2.00  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.3221  
gene score correlation: 0.6257



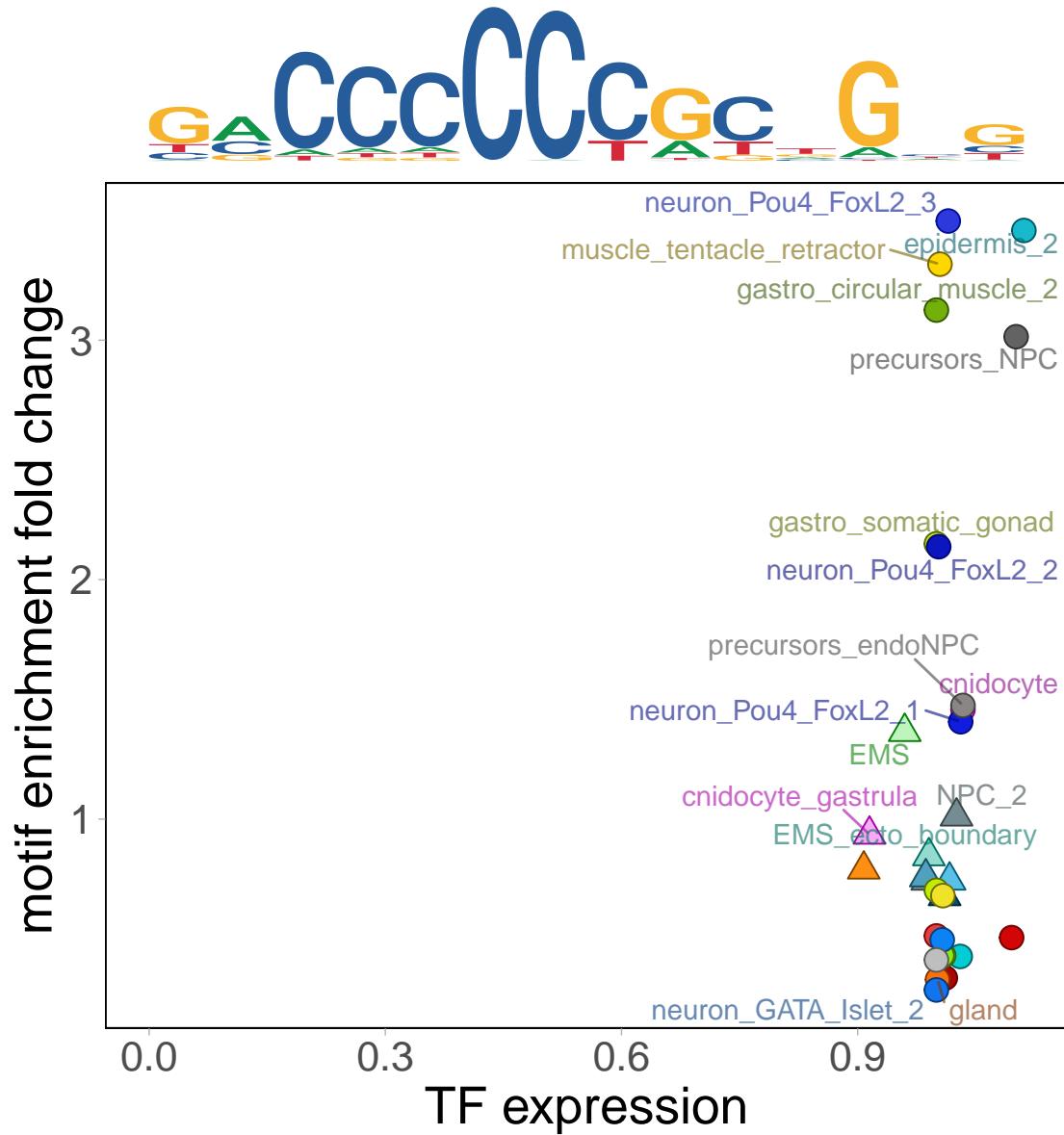
Nvec\_vc1.1\_XM\_032382185.2  
OG: Myb.HG1.7:like:TERB1/TERF2  
PFAM: Myb\_DNA-binding/Myb\_DNA-b  
motif: ARCH1391\_MYB113  
TF family: Myb  
archetype family: Myb  
CisBP assigned: FALSE  
rank: 208  
gene expression correlation: 0.1625  
gene score correlation: 0.0191



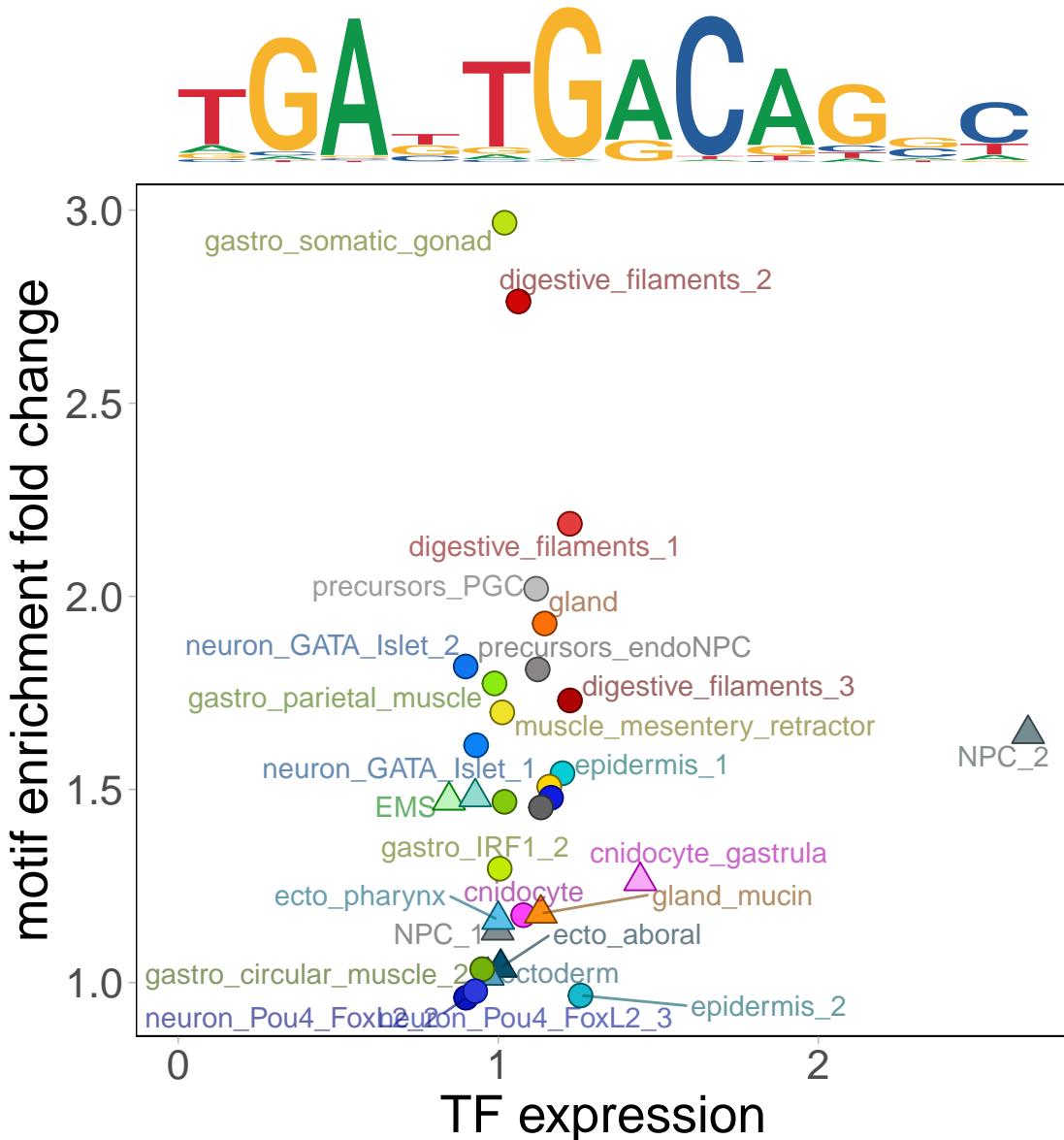
Nvec\_vc1.1\_XM\_032382208.2  
OG: zf-C2H2.HG94.0:NA  
PFAM: zf-C2H2/zf-C2H2\_4/zf-C2H2/zf-C2H2\_5  
motif: ARCH1201\_Gfi1b/Gfi1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 52  
gene expression correlation: 0.1838  
gene score correlation: 0.2034



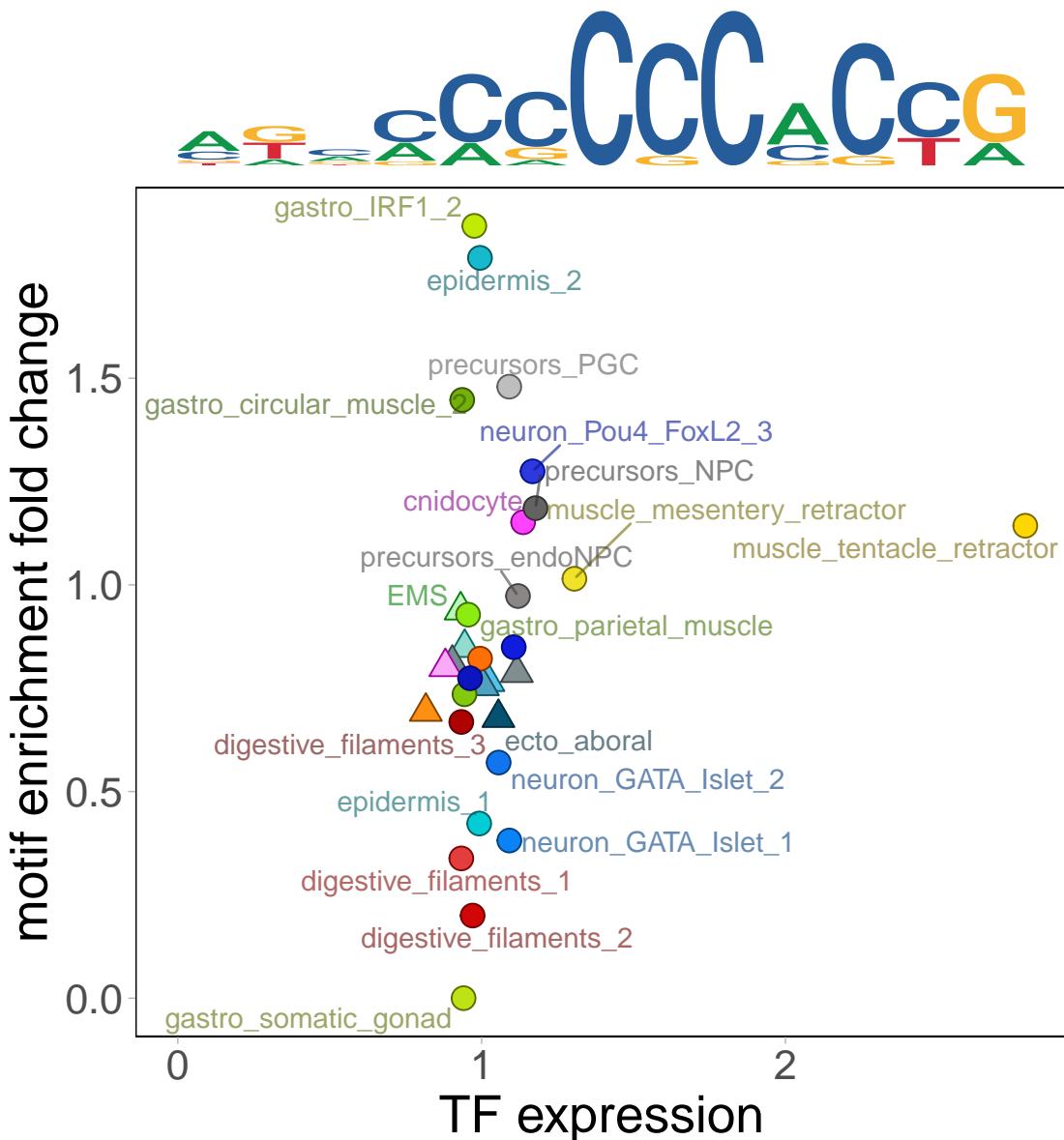
Nvec\_vc1.1\_XM\_032382255.2  
OG: zf-C2H2.HG1.11:like:AC008758.1/  
PFAM: zf-C2H2/zf-C2H2\_6/zf-C2H2/zf-  
motif: ARCH353\_M06062\_2.00\_\_M064  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 17  
gene expression correlation: 0.3262  
gene score correlation: 0.3871



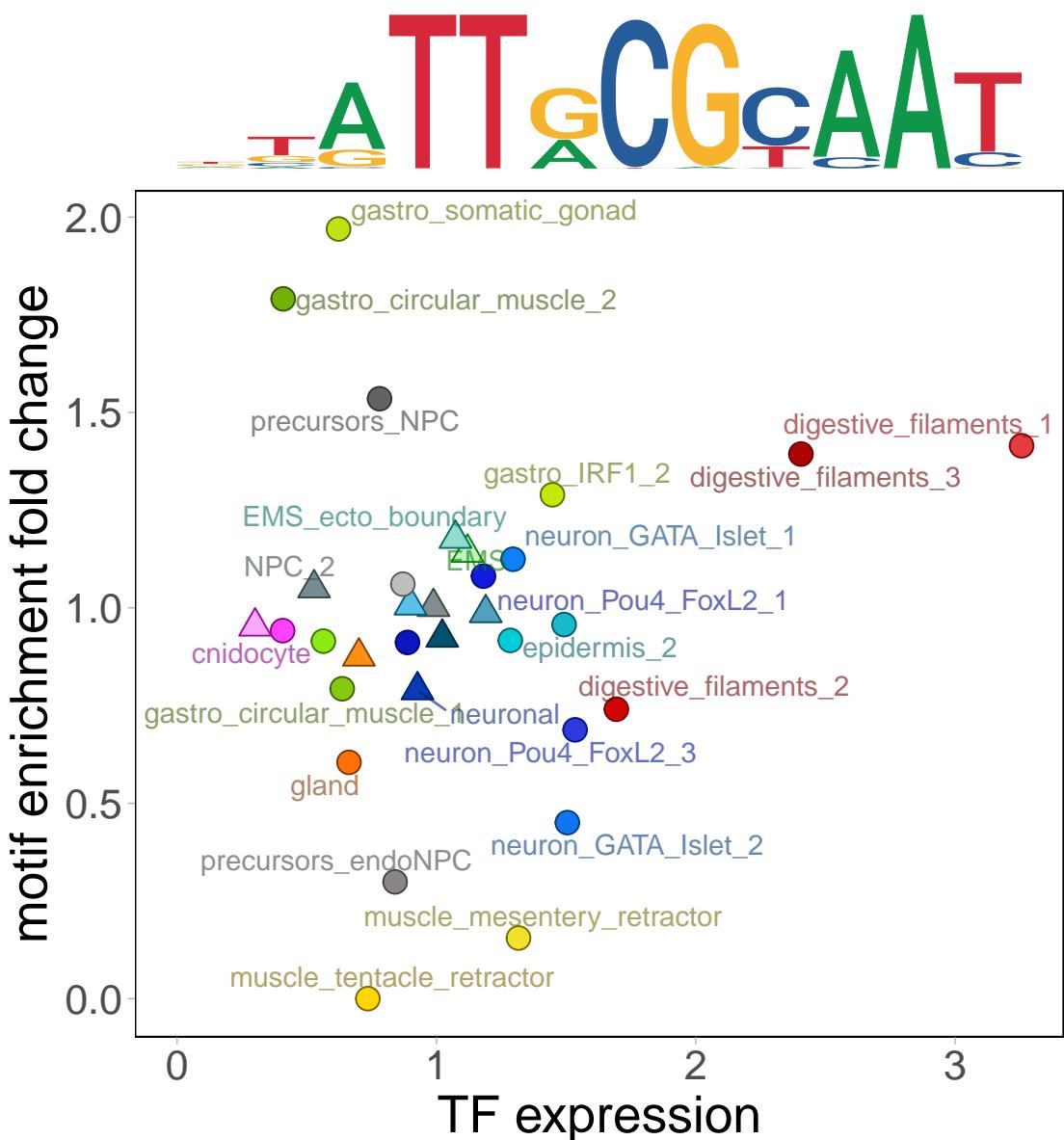
Nvec\_vc1.1\_XM\_032382395.2  
OG: Homeodomains.HG3.34:TGIF1  
PFAM: Homeobox\_KN  
motif: ARCH1502\_Meis3/Meis2/Meis1\_  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: TRUE  
rank: 41  
gene expression correlation: 0.0816  
gene score correlation: 0.0107



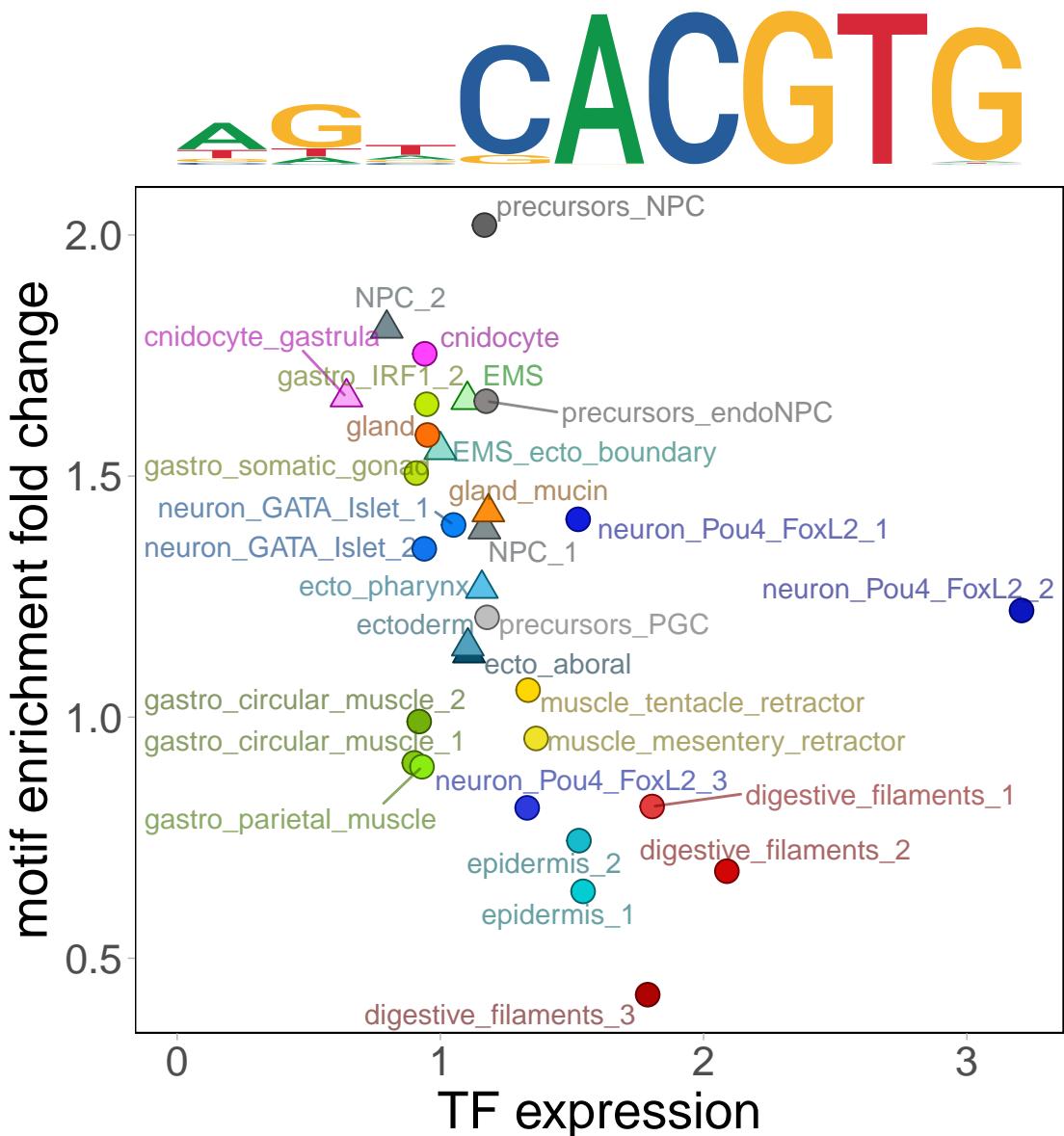
Nvec\_vc1.1\_XM\_032382402.2  
OG: zf-C2H2.HG1.24:like:AC008758.1/  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH502\_M06063\_2.00  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 1  
gene expression correlation: 0.1858  
gene score correlation: 0.2688



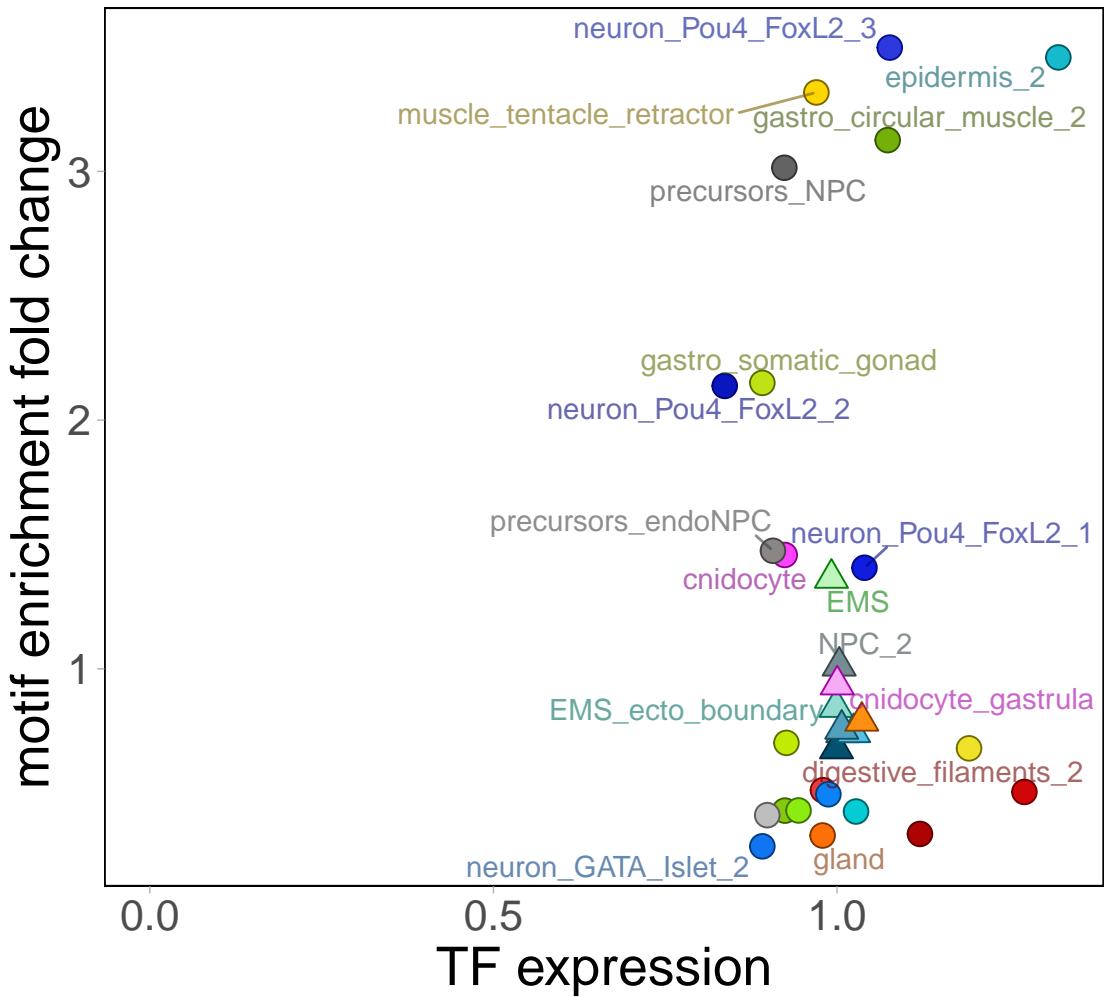
Nvec\_vc1.1\_XM\_032382466.2  
OG: bZIP.HG2.5:CEBPA/CEBPB/CEBP  
PFAM: bZIP\_2  
motif: Cebpd/Cebpe/Cebpa/Cebpb\_241  
TF family: bZIP  
archetype family: bZIP  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.0808  
gene score correlation: 0.0034



Nvec\_vc1.1\_XM\_032382493.2  
OG: bZIP.HG2.10:DBP/HLF/TEF  
PFAM: bZIP\_2  
motif: ARCH944\_M04019\_2.00\_bHLH  
TF family: bZIP  
archetype family: bZIP  
CisBP assigned: FALSE  
rank: 62  
gene expression correlation: -0.4385  
gene score correlation: -0.0904



Nvec\_vc1.1\_XM\_032382579.2  
OG: zf-C2H2.HG10.1:ZFP3/ZNF319/Z  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: ARCH353\_M06062\_2.00\_\_M064  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 1  
gene expression correlation: 0.1372  
gene score correlation: 0.6438



Nvec\_vc1.1\_XM\_032382712.2

OG: RFX.HG1.1:RFX5/RFX7

PFAM: RFX5\_N/RFX\_DNA\_binding

motif: ARCH653\_/Rfx5

TF family: RFX

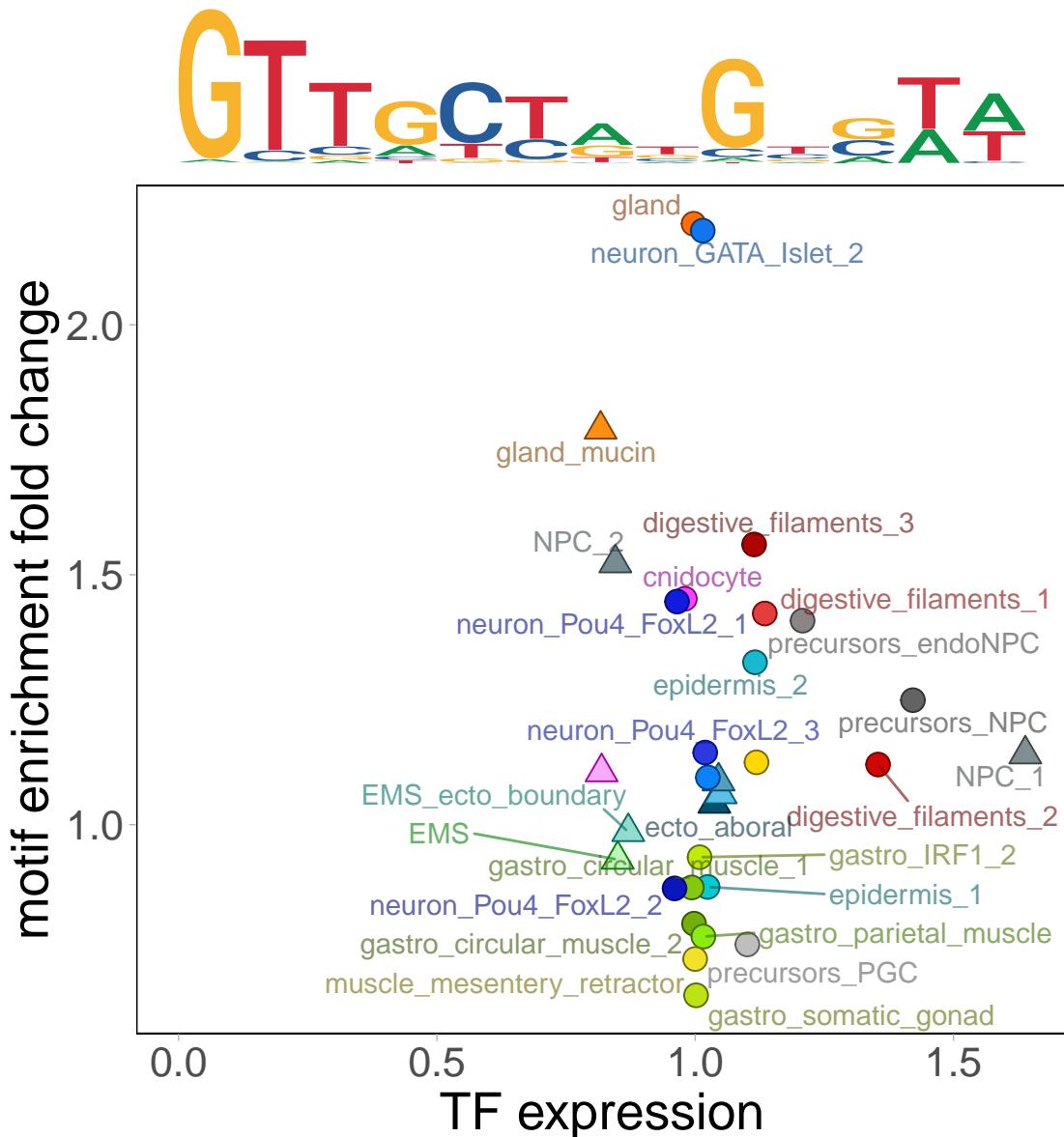
archetype family: RFX

CisBP assigned: TRUE

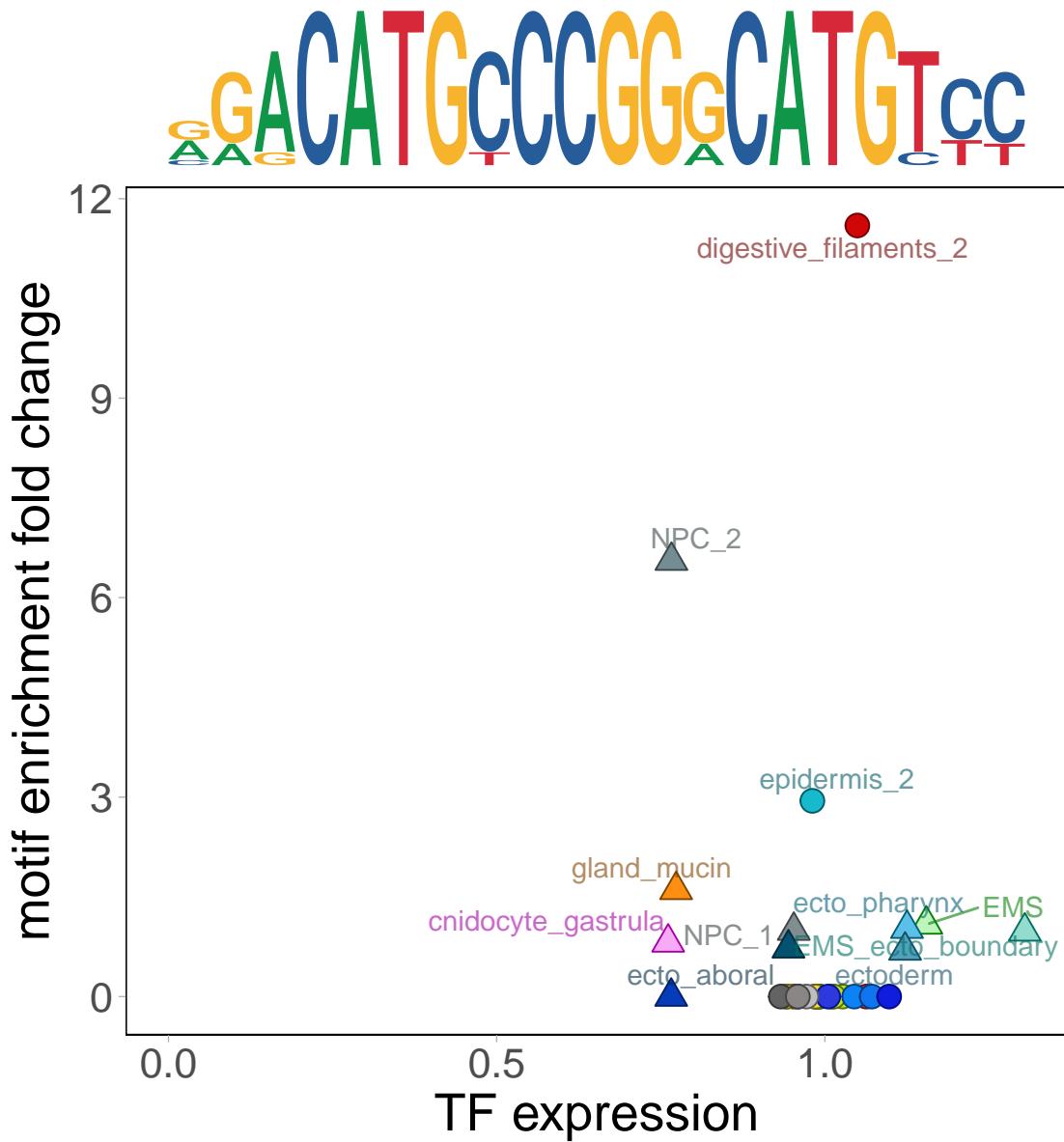
rank: 303

gene expression correlation: -0.0215

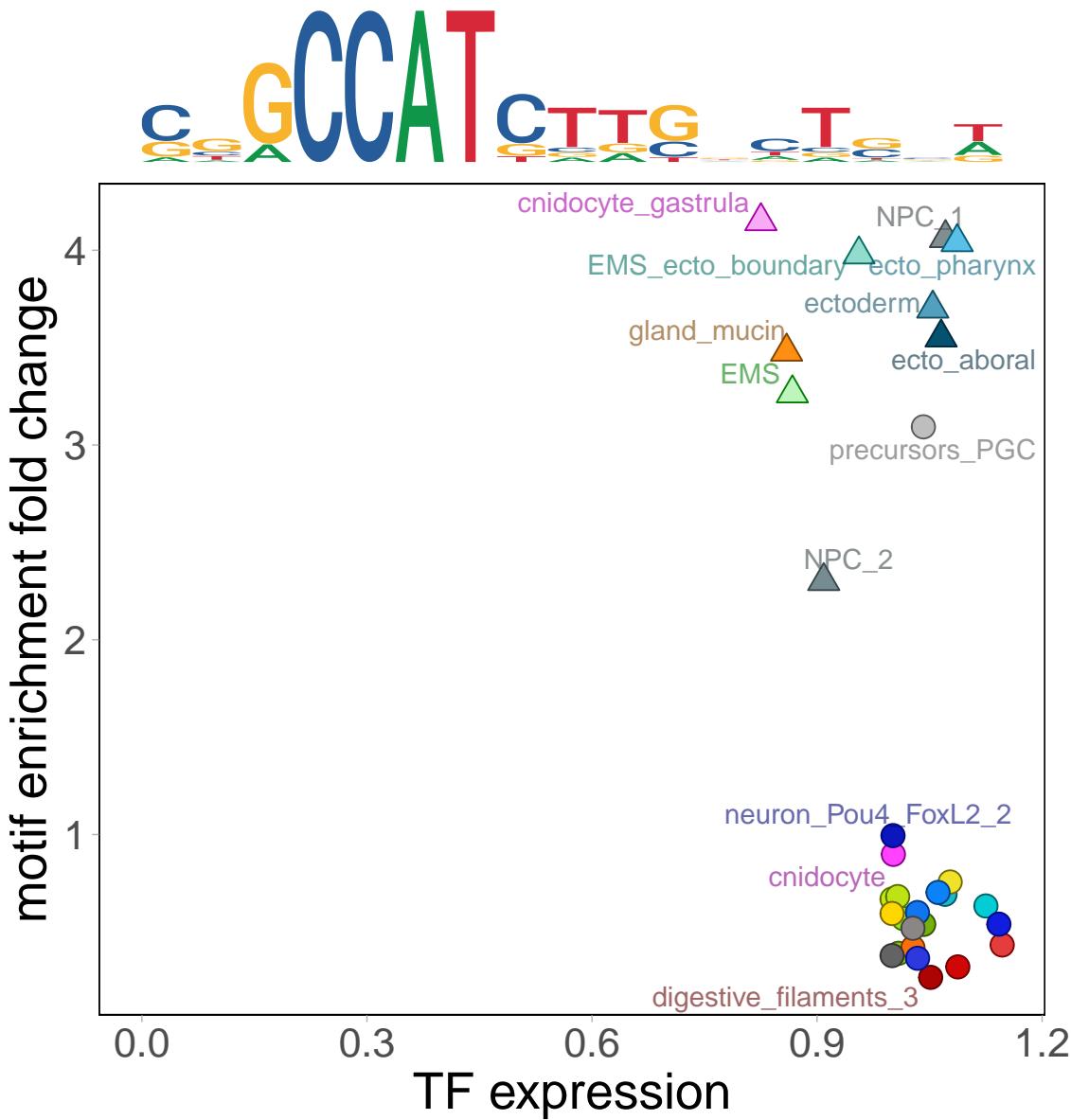
gene score correlation: 0.0841



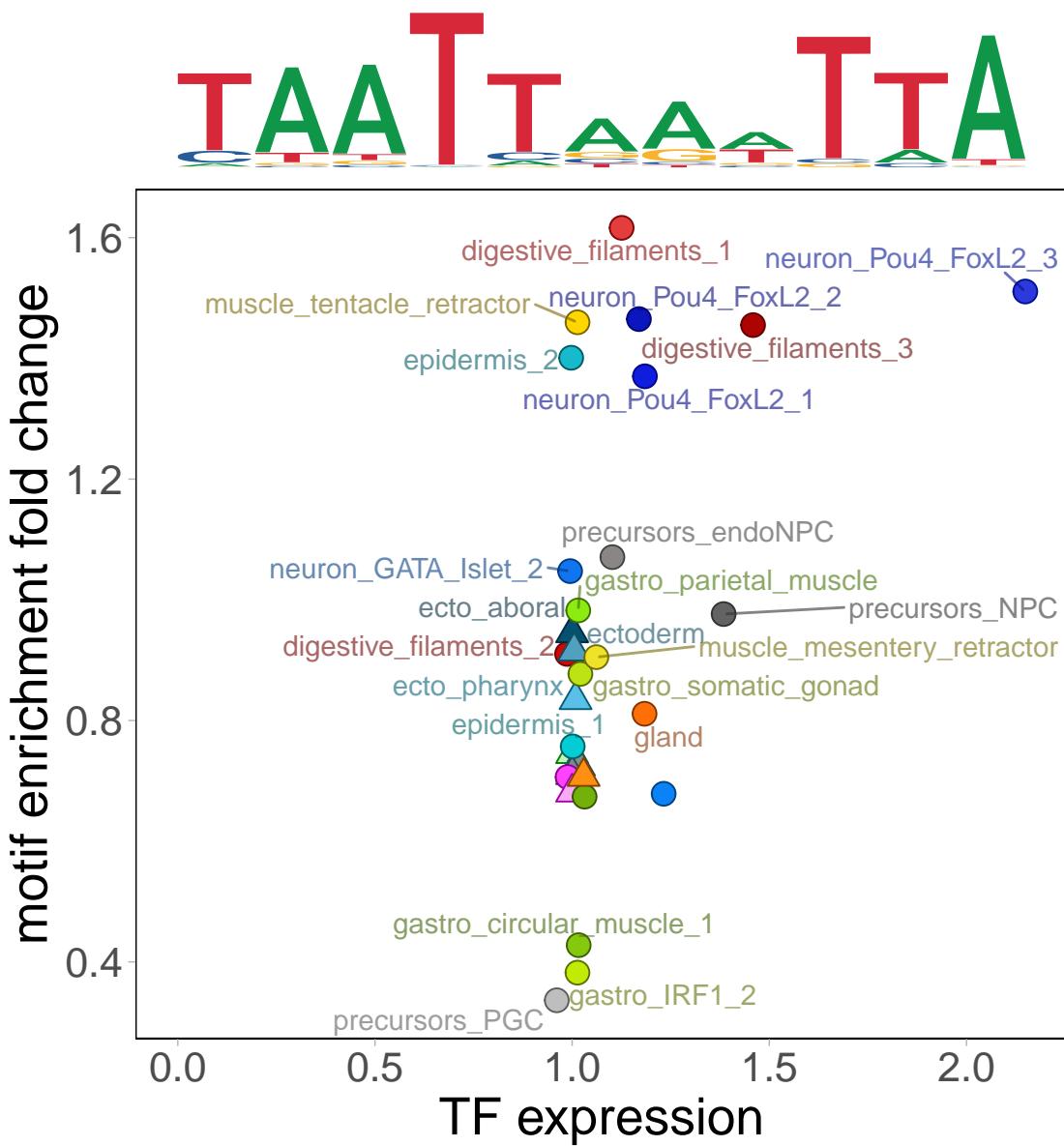
Nvec\_vc1.1\_XM\_032382719.2  
OG: P53.HG1.5:like:TP53/TP63/TP73  
PFAM: P53/P53\_tetramer  
motif: M11197\_2.00  
TF family: P53  
archetype family: P53  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.0782  
gene score correlation: 0.2351



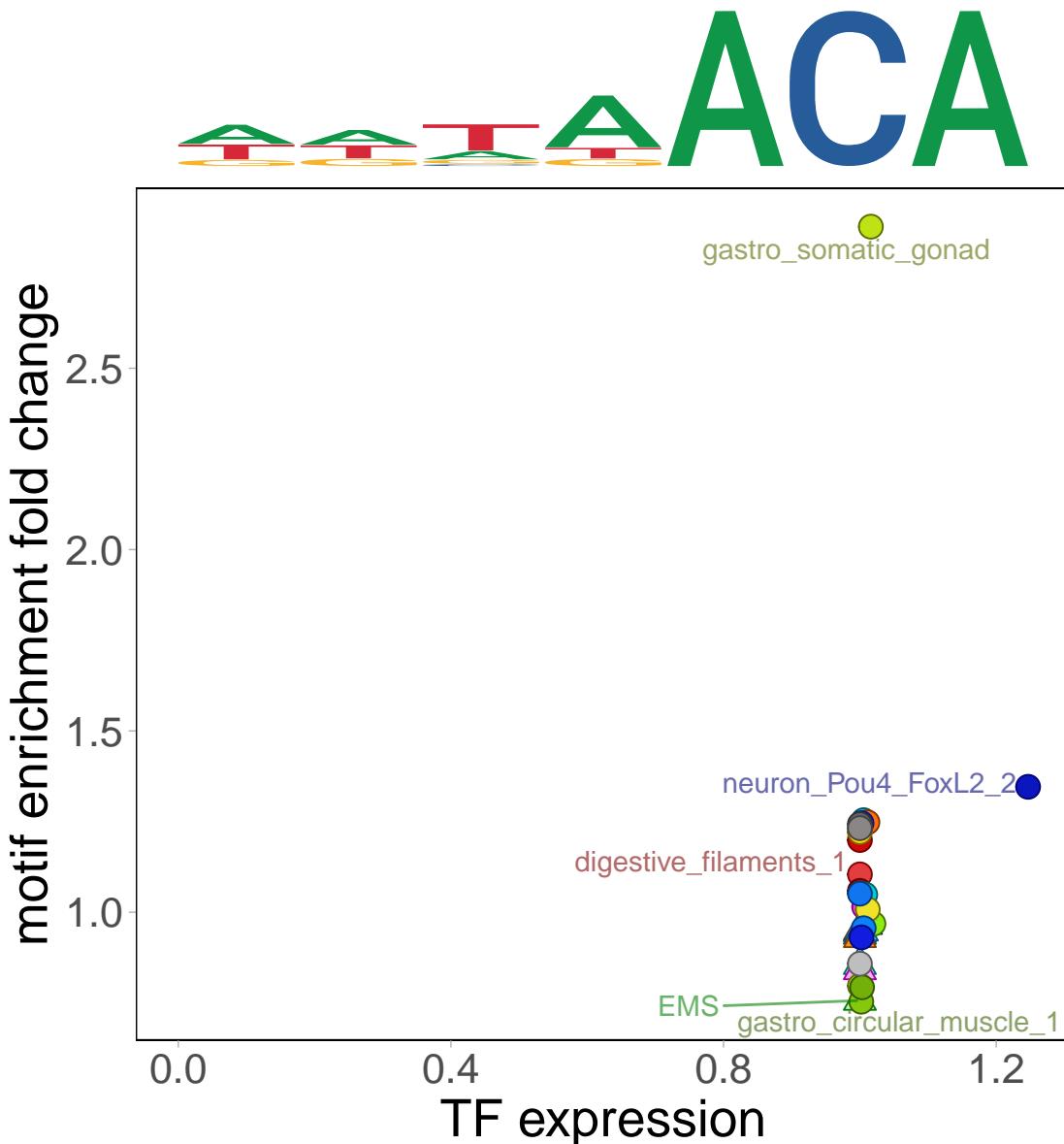
Nvec\_vc1.1\_XM\_032383547.2  
OG: zf-C2H2.HG1.10:like:AC008758.1/  
PFAM: zf-C2H2/zf-H2C2\_2/zf-C2H2/zf-  
motif: ARCH523\_Yy1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 4  
gene expression correlation: -0.4172  
gene score correlation: -0.1987



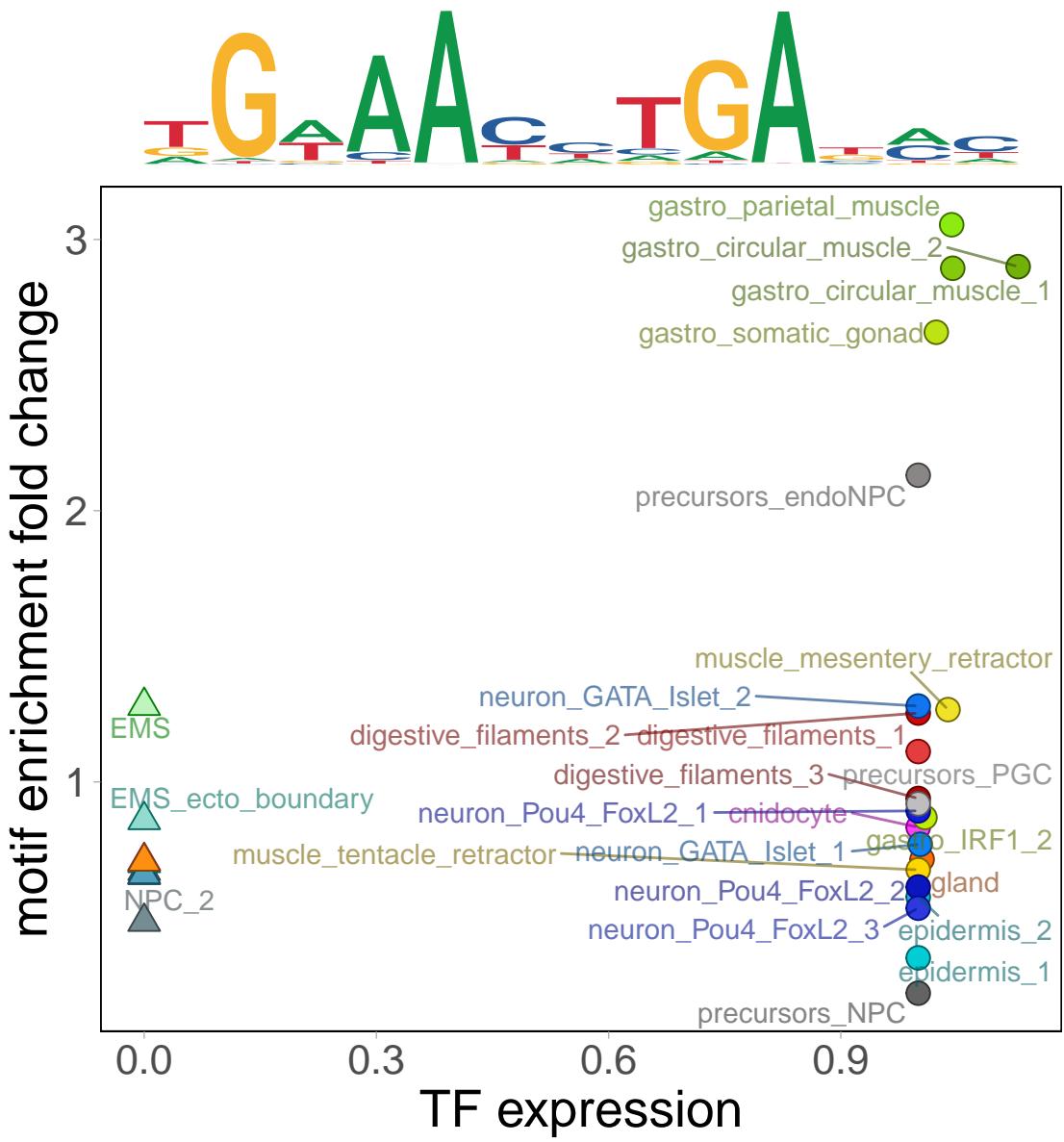
Nvec\_vc1.1\_XM\_032383560.2  
OG: Homeodomains.HG2.69:OTP  
PFAM: Homeodomain/OAR  
motif: ARCH233\_Alx3/Alx4/Alx1\_Barx...  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: TRUE  
rank: 1  
gene expression correlation: 0.4783  
gene score correlation: 0.5493



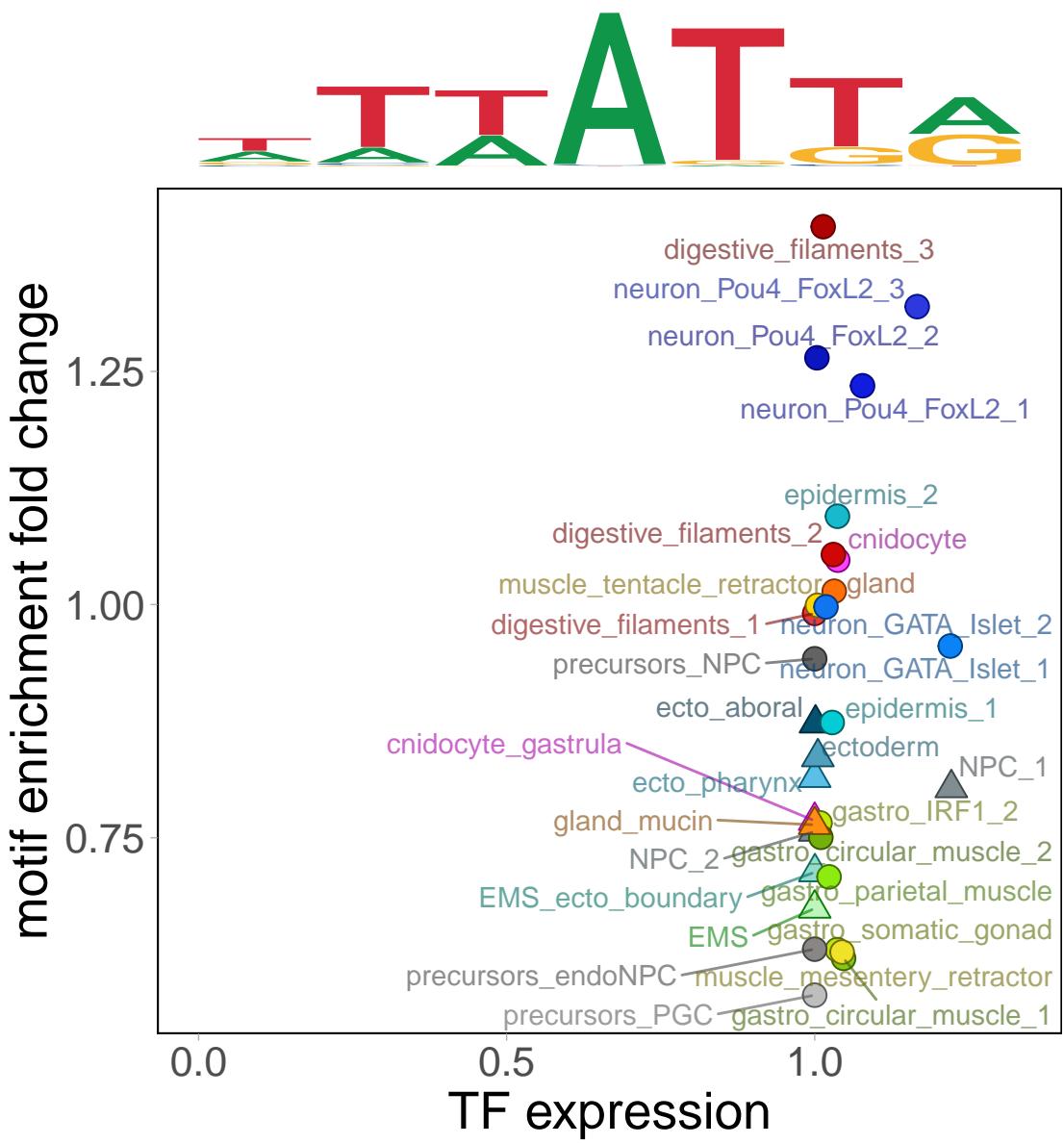
Nvec\_vc1.1\_XM\_032383663.2  
OG: Homeodomains.HG1.27:like:AC004  
PFAM: Homeodomain  
motif: ARCH1052\_Irx6  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 1351  
gene expression correlation: 0.1853  
gene score correlation: -0.0142



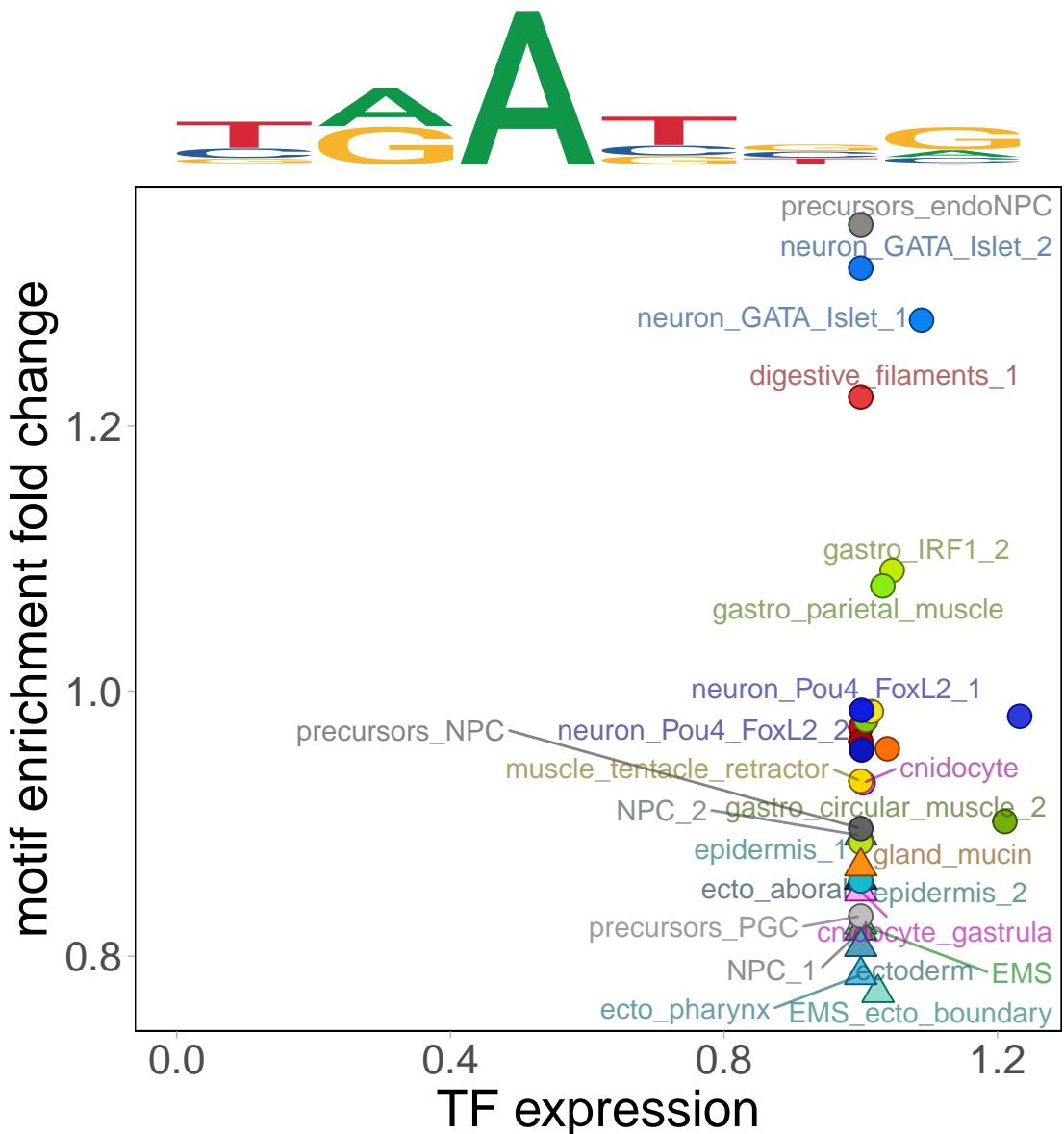
Nvec\_vc1.1\_XM\_032383677.2  
OG: Homeodomains.HG1.70:HOXA2/HG1.70  
PFAM: Homeodomain  
motif: ARCH1362\_Six1/\_Six4/Six5  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 2  
gene expression correlation: 0.3317  
gene score correlation: 0.8391



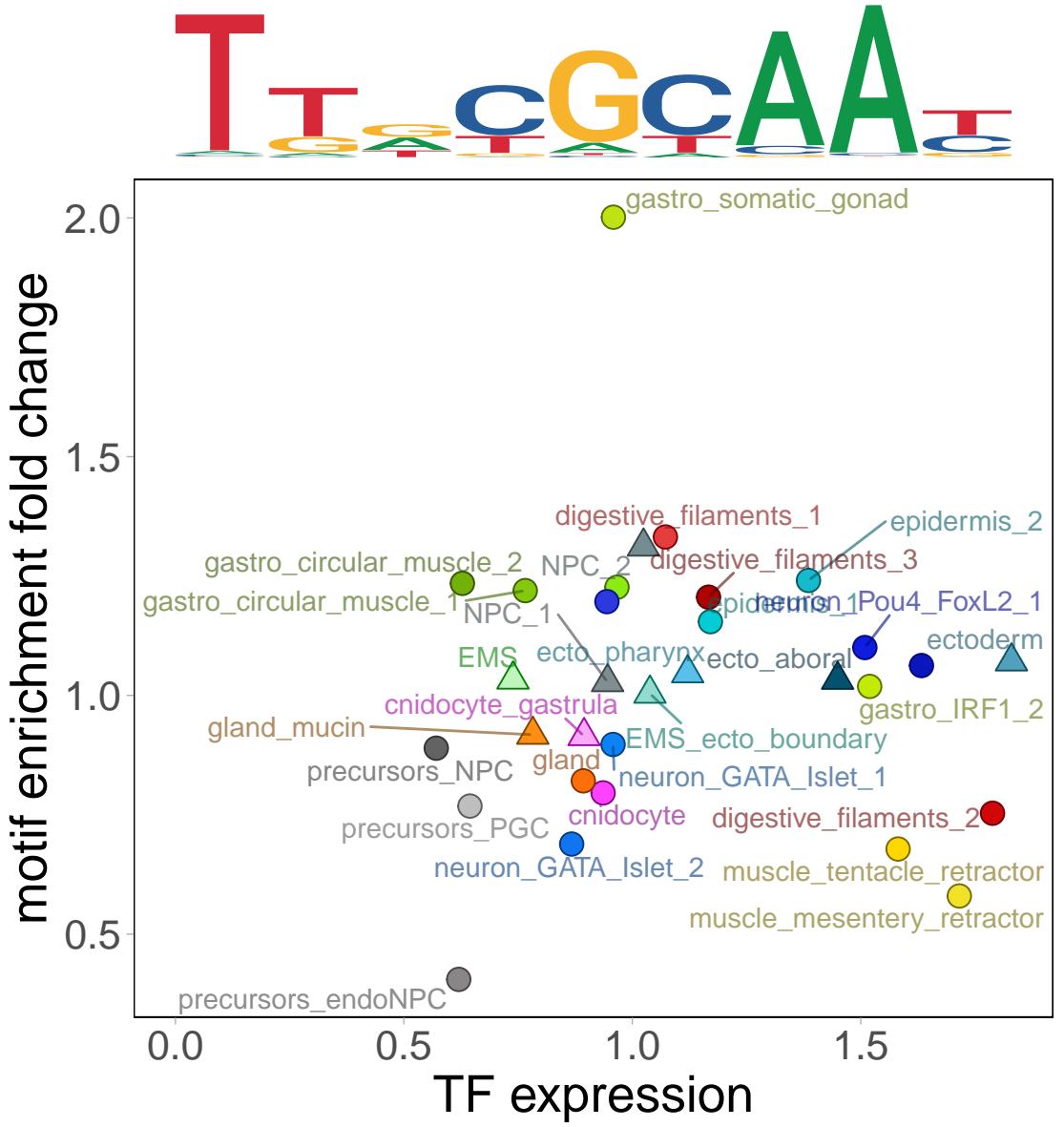
Nvec\_vc1.1\_XM\_032383681.2  
OG: Homeodomains.HG1.51:like:AC004  
PFAM: Homeodomain  
motif: ARCH243\_Alx3/AIx4/AIx1\_HIx\_...  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: TRUE  
rank: 29  
gene expression correlation: 0.2245  
gene score correlation: 0.4876



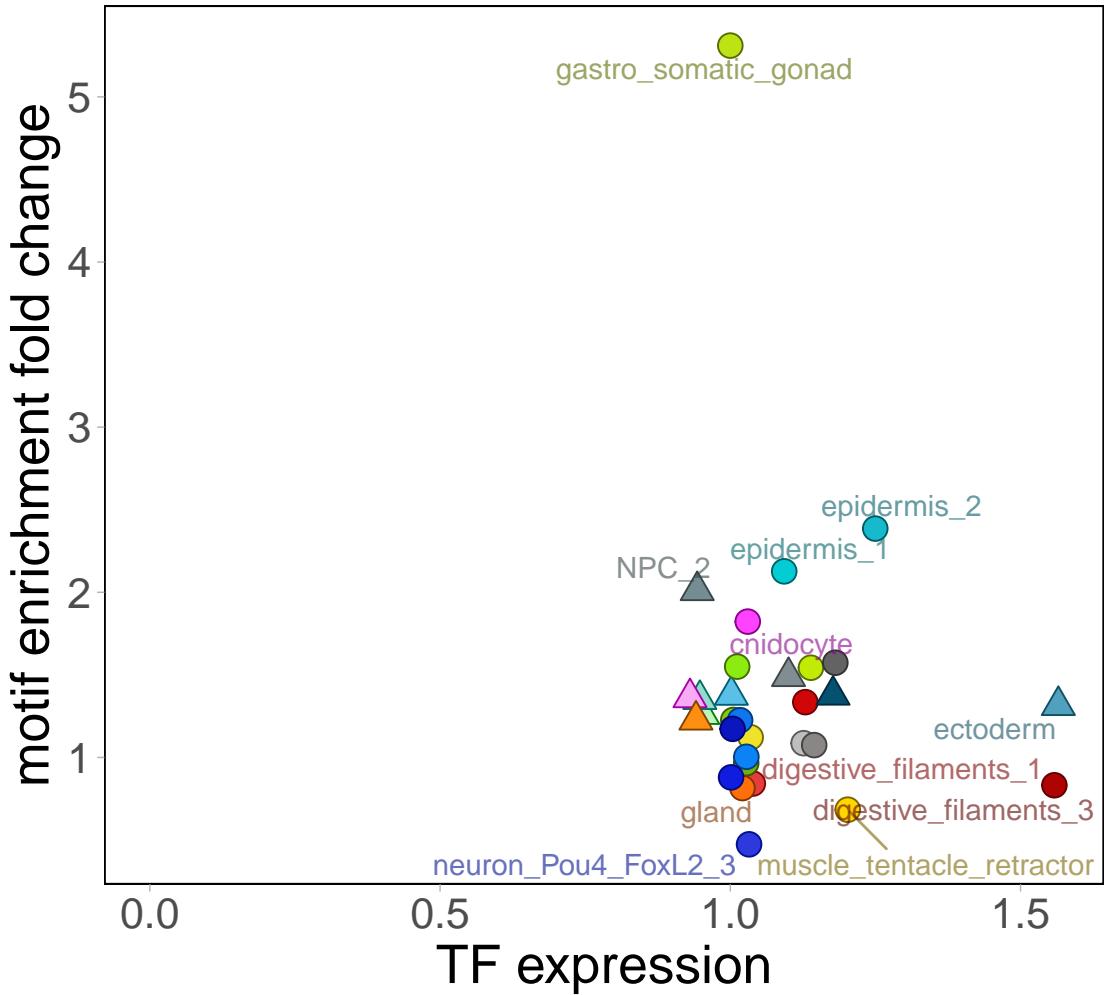
Nvec\_vc1.1\_XM\_032383695.2  
OG: Homeodomains.HG1.52:EVX1/EVX2  
PFAM: Homeodomain  
motif: ARCH181\_Barx2/Barx1\_DLx4/Dlx5  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 71  
gene expression correlation: 0.1061  
gene score correlation: 0.3720



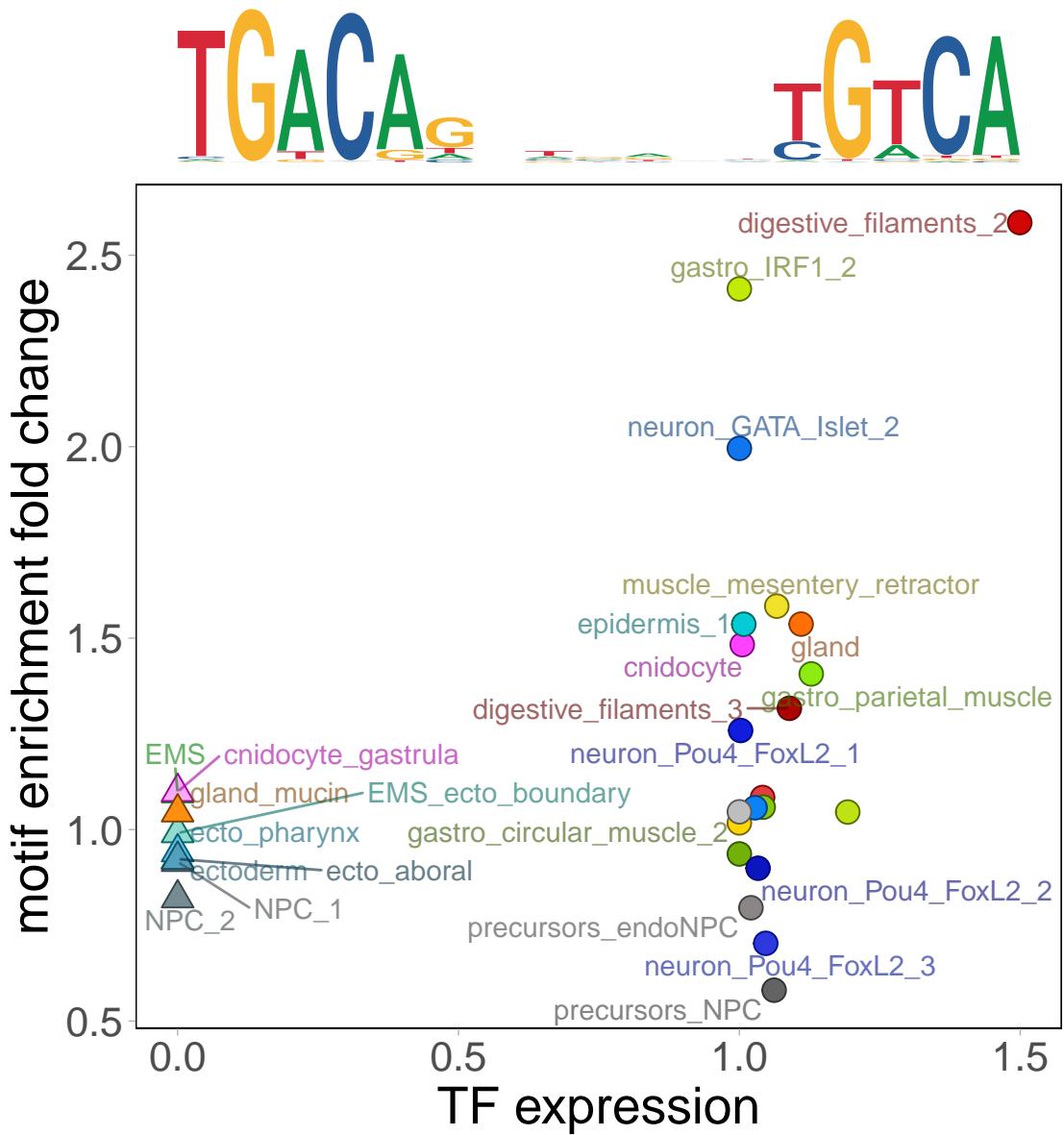
Nvec\_vc1.1\_XM\_032383717.2  
OG: bZIP.HG2.0:like:CEBPA/CEBPP/CI  
PFAM: bZIP\_2  
motif: ARCH640\_Cebpd/Cebpe/Cebpa/  
TF family: bZIP  
archetype family: bZIP  
CisBP assigned: TRUE  
rank: 555  
gene expression correlation: -0.0407  
gene score correlation: 0.0322



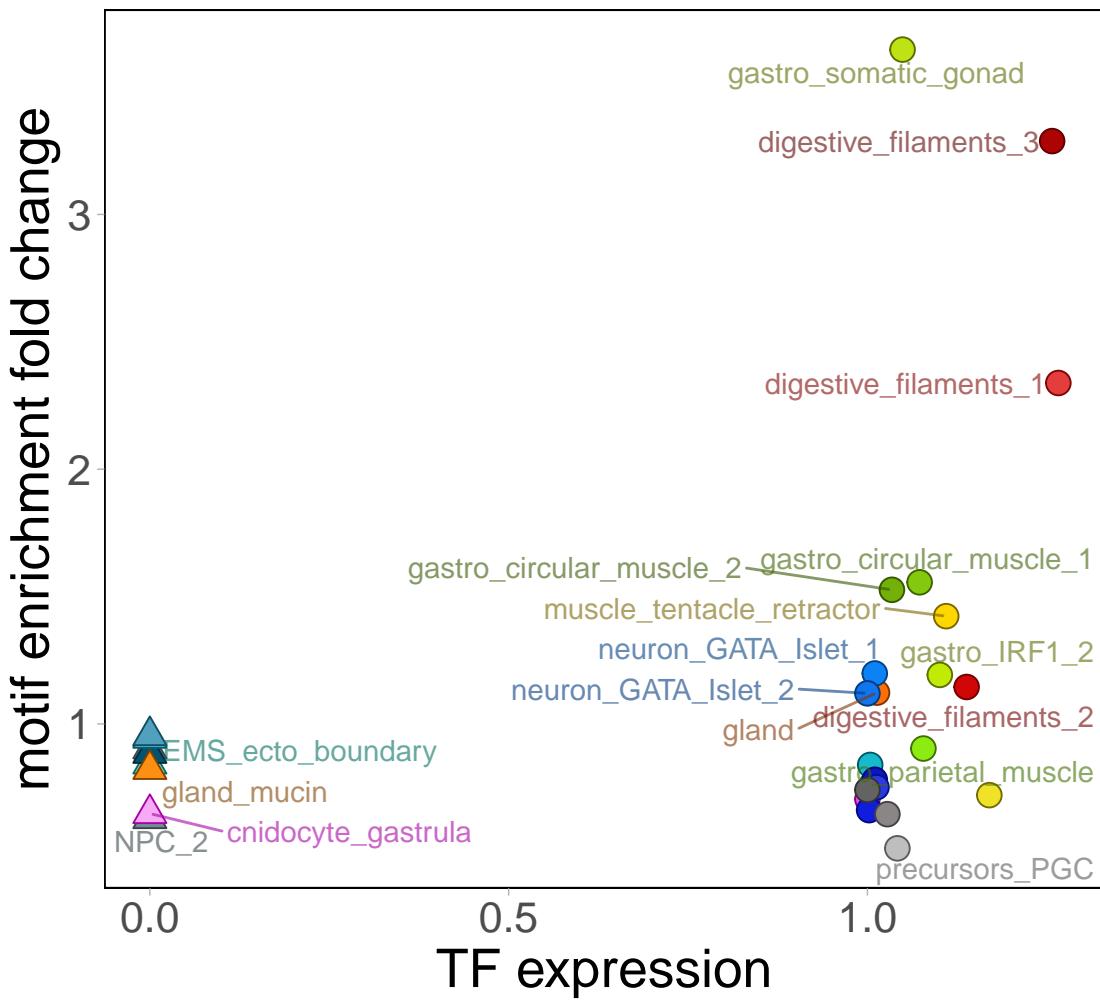
Nvec\_vc1.1\_XM\_032383905.2  
OG: HLH.HG1.11:HEY1/HEY2/HEYL  
PFAM: HLH  
motif: ARCH1533\_BHLH112  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 404  
gene expression correlation: -0.0979  
gene score correlation: 0.0646



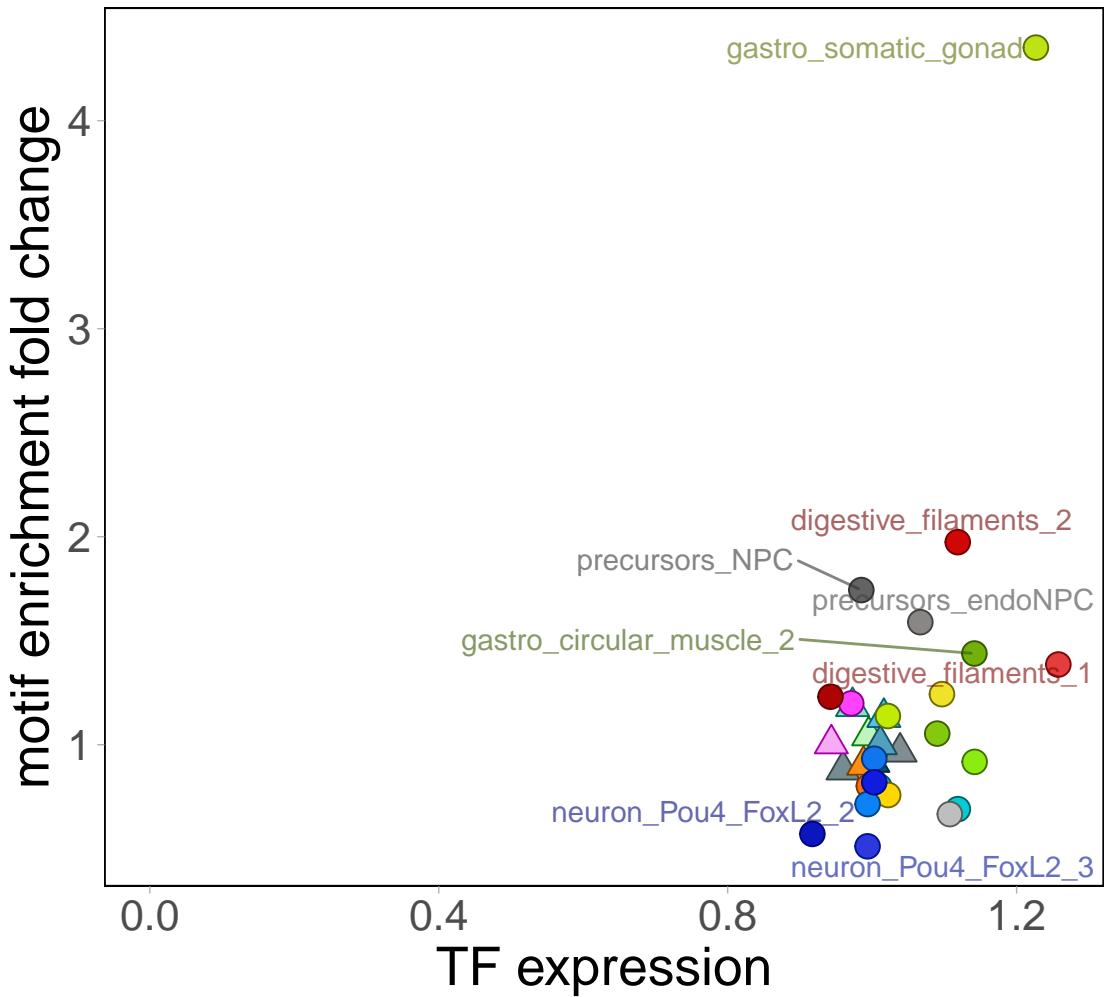
Nvec\_vc1.1\_XM\_032383925.2  
OG: Homeodomains.HG1.21:BARX1/B  
PFAM: Homeodomain  
motif: ARCH768\_Meis3/Meis2/Meis1\_P  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 2  
gene expression correlation: 0.3977  
gene score correlation: 0.3485



Nvec\_vc1.1\_XM\_032383948.2  
OG: Homeodomains.HG1.57:GBX1/GB  
PFAM: Homeodomain  
motif: ARCH1437\_  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 1  
gene expression correlation: 0.3328  
gene score correlation: 0.7013



Nvec\_vc1.1\_XM\_032383979.2  
OG: P53.HG1.4:TP53/TP63/TP73  
PFAM: P53  
motif: ARCH910\_p53  
TF family: P53  
archetype family: P53  
CisBP assigned: FALSE  
rank: 281  
gene expression correlation: 0.5187  
gene score correlation: 0.4663



Nvec\_vc1.1\_XM\_032384063.2

OG: HLH.HG1.53:HES5/HES7

PFAM: HLH

motif: ARCH1533\_BHLH112

TF family: HLH

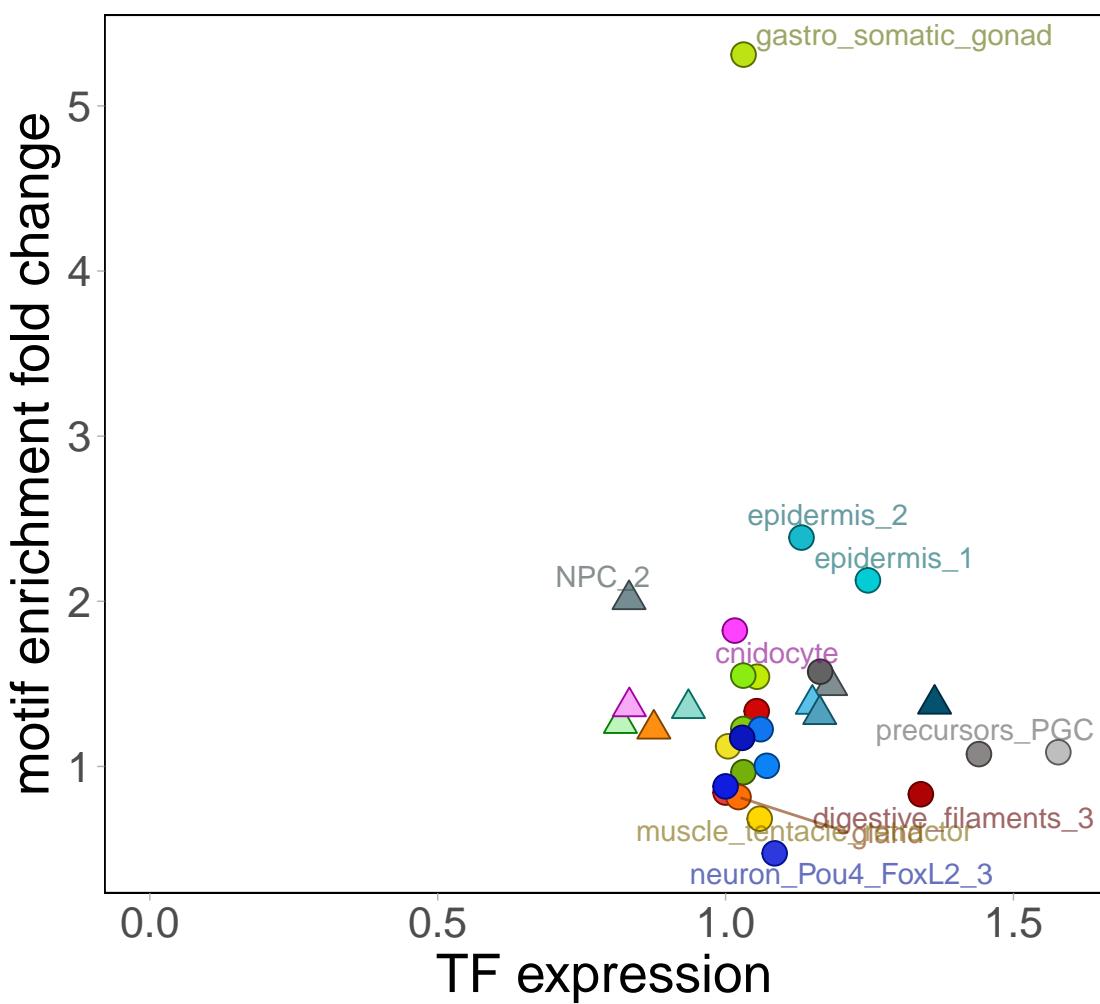
archetype family: HLH

CisBP assigned: FALSE

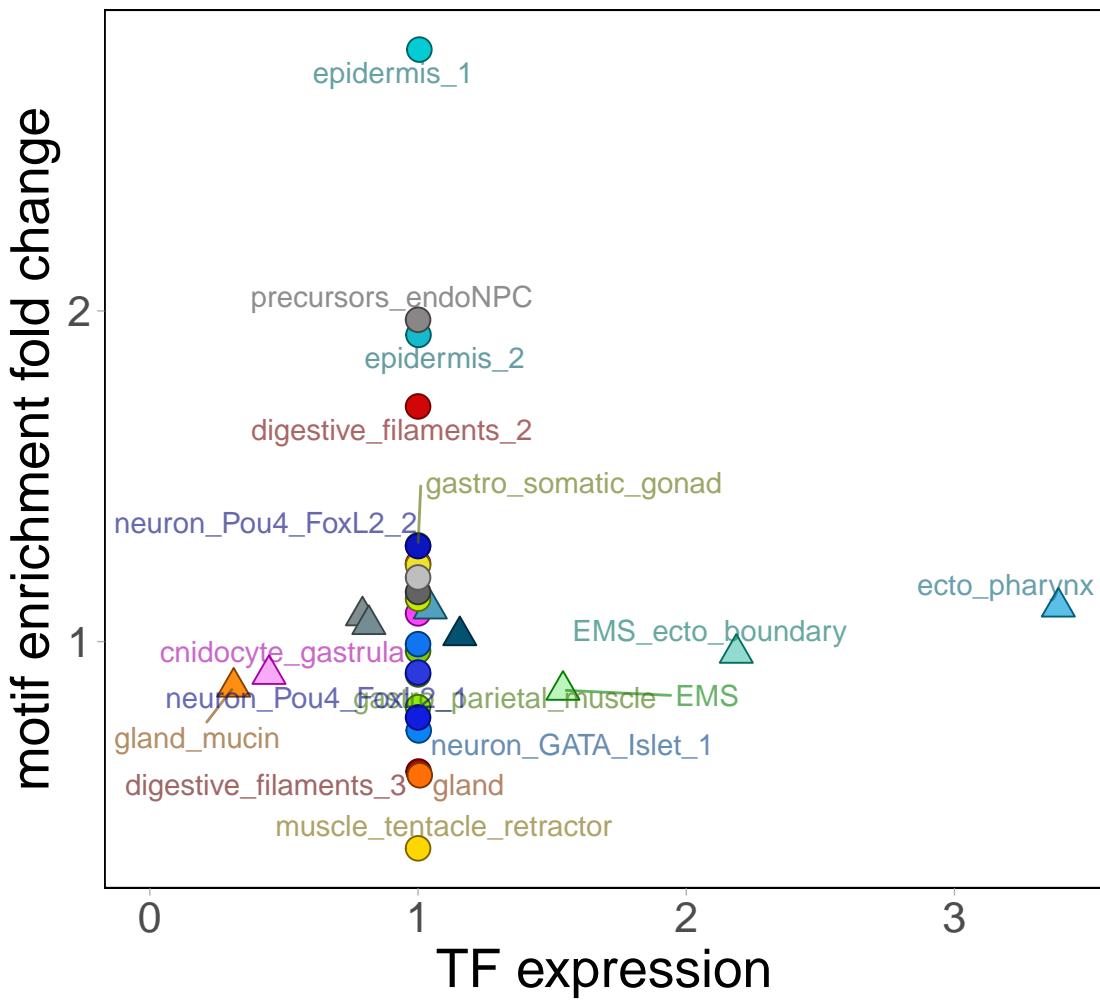
rank: 27

gene expression correlation: -0.0775

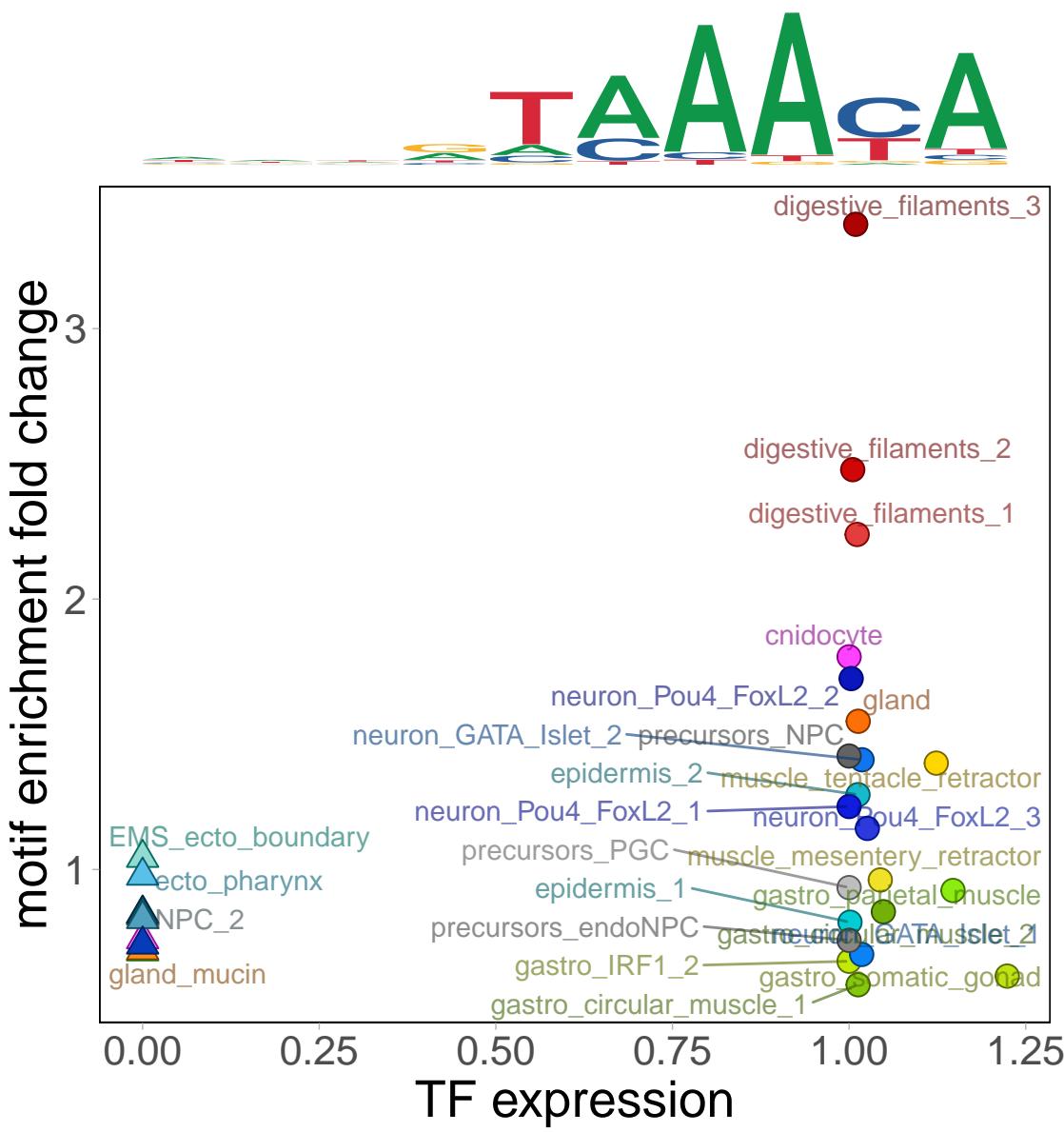
gene score correlation: 0.1561



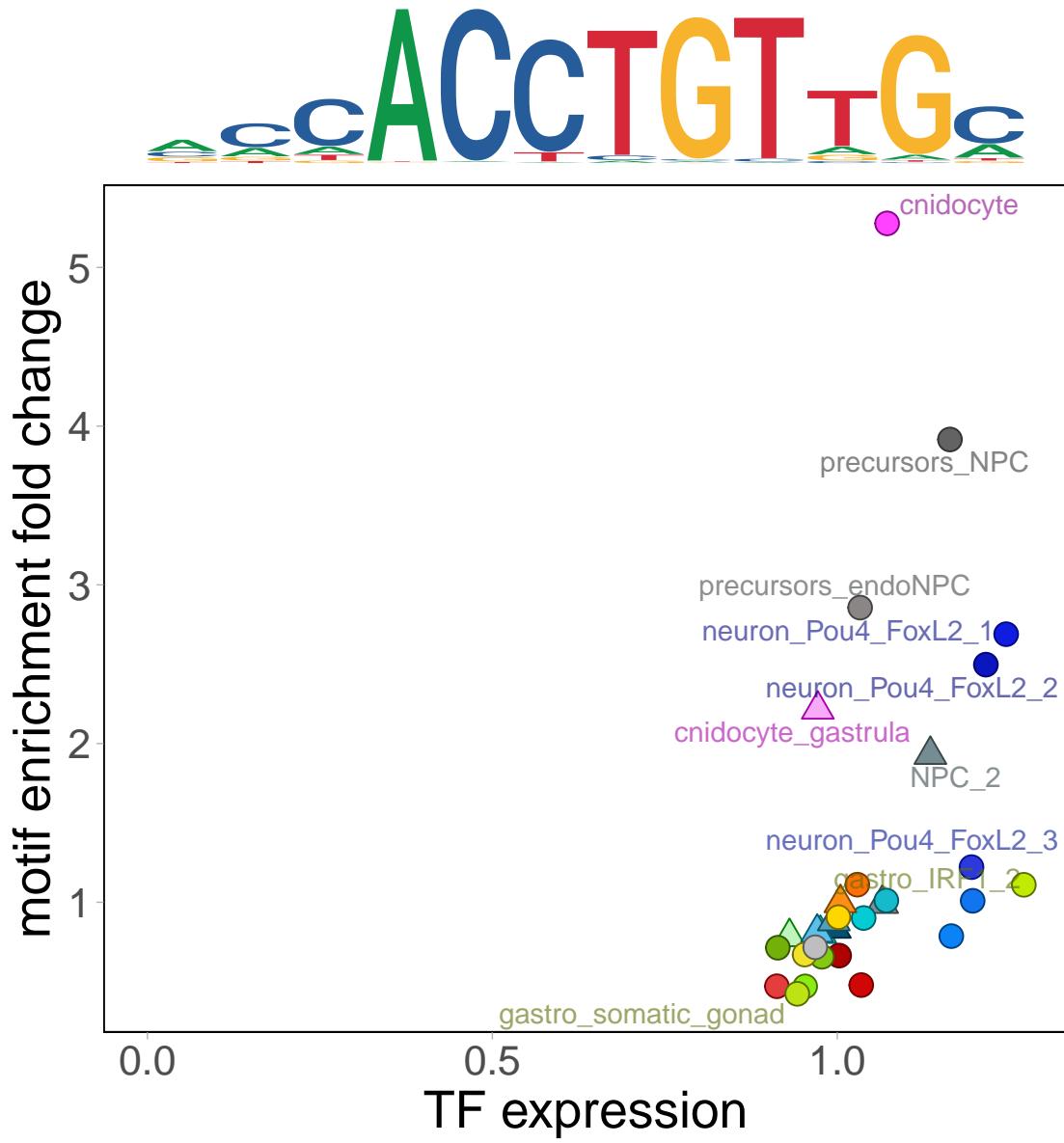
Nvec\_vc1.1\_XM\_032384091.2  
OG: Doublesex\_DM.HG1.14:like:DMRT  
PFAM: DM/DMA  
motif: ARCH661\_Dmrt1  
TF family: Doublesex\_DM  
archetype family: Doublesex\_DM  
CisBP assigned: FALSE  
rank: 46  
gene expression correlation: -0.0065  
gene score correlation: 0.1874



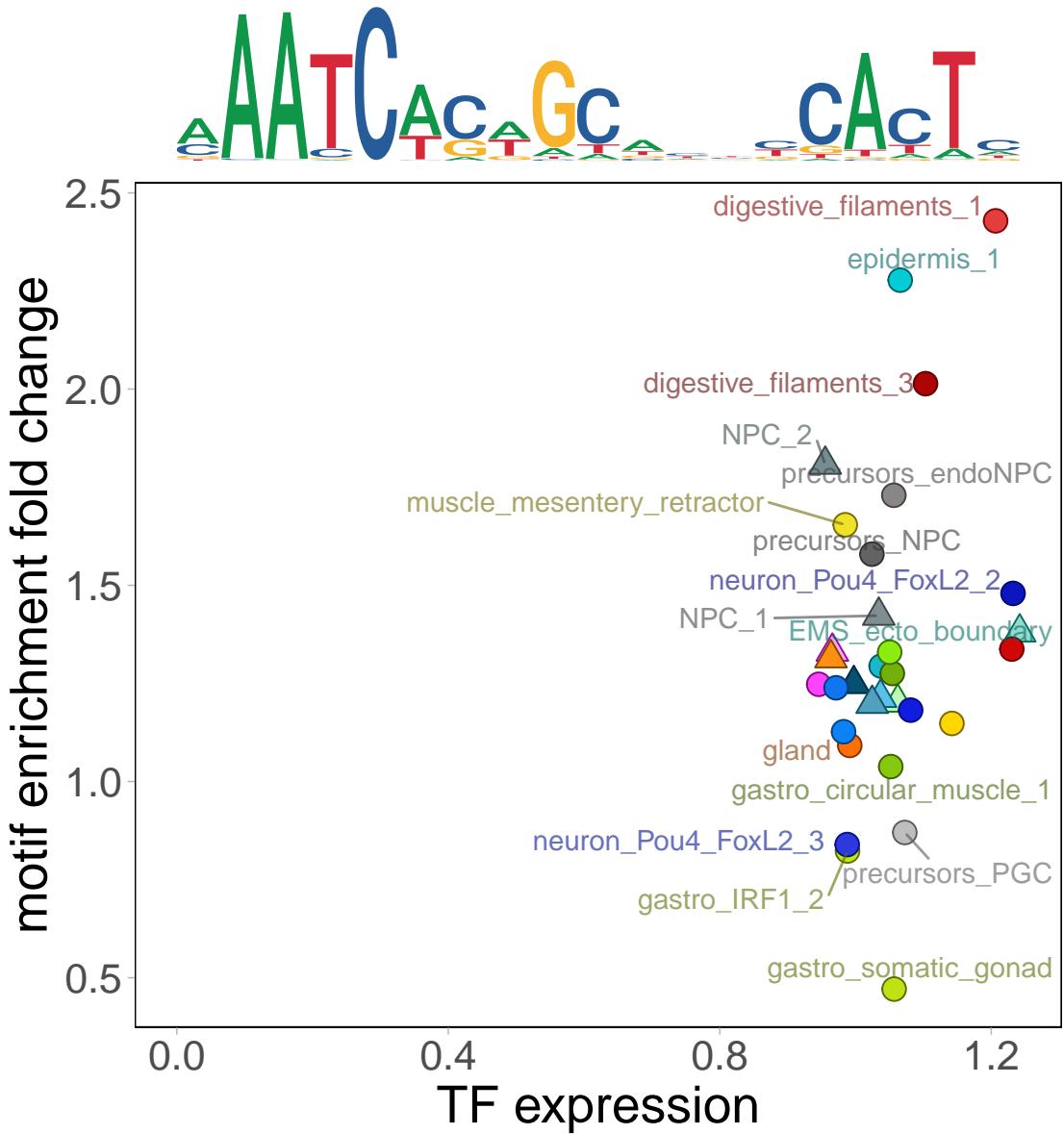
Nvec\_vc1.1\_XM\_032384126.2  
OG: Forkhead.HG1.17:like:FOXI1/FOXI2  
PFAM: Forkhead  
motif: M00164\_2.00  
TF family: Forkhead  
archetype family: Forkhead  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.3450  
gene score correlation: -0.2404



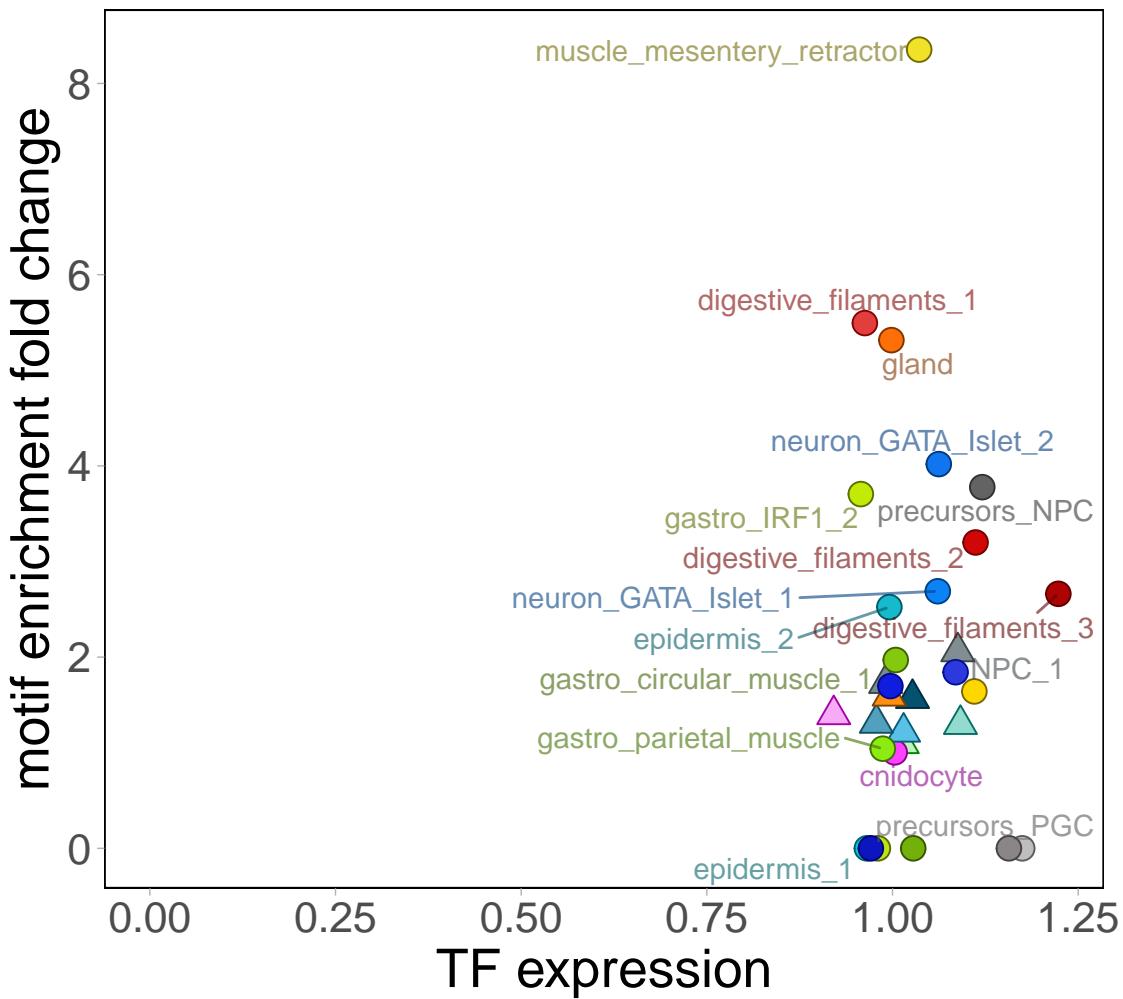
Nvec\_vc1.1\_XM\_032384134.2  
OG: zf-C2H2.HG3.3:ZNF641  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH861\_Scrt2/Scrt1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 2  
gene expression correlation: 0.4241  
gene score correlation: 0.4260



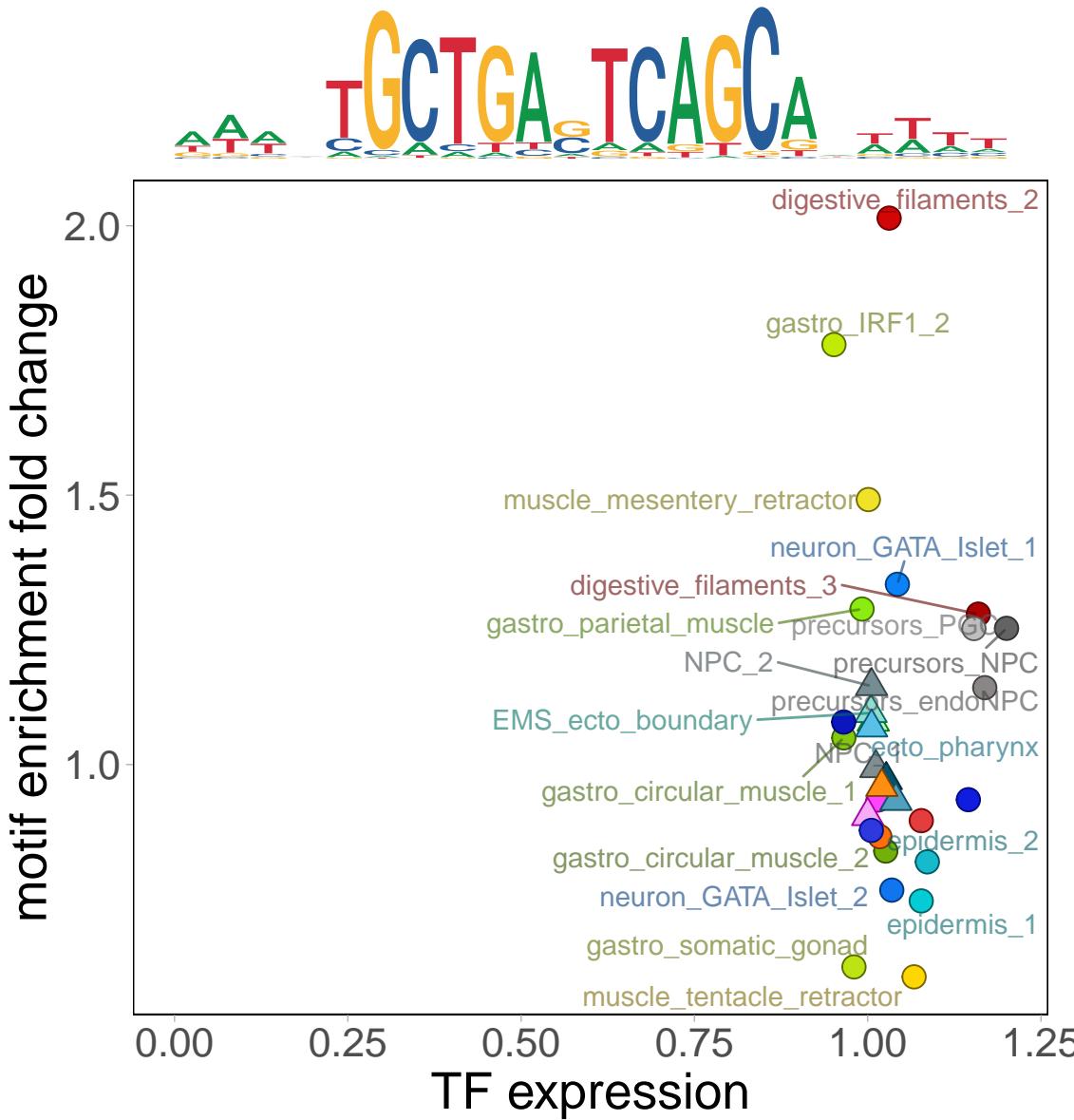
Nvec\_vc1.1\_XM\_032384172.2  
OG: zf-C2H2.HG1.40:GZF1/ZBTB24  
PFAM: zf-C2H2\_6/zf-C2H2/zf-C2H2/zf-C2H2\_1  
motif: ARCH1345\_Gfi1b/Gfi1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 106  
gene expression correlation: 0.2641  
gene score correlation: 0.0098



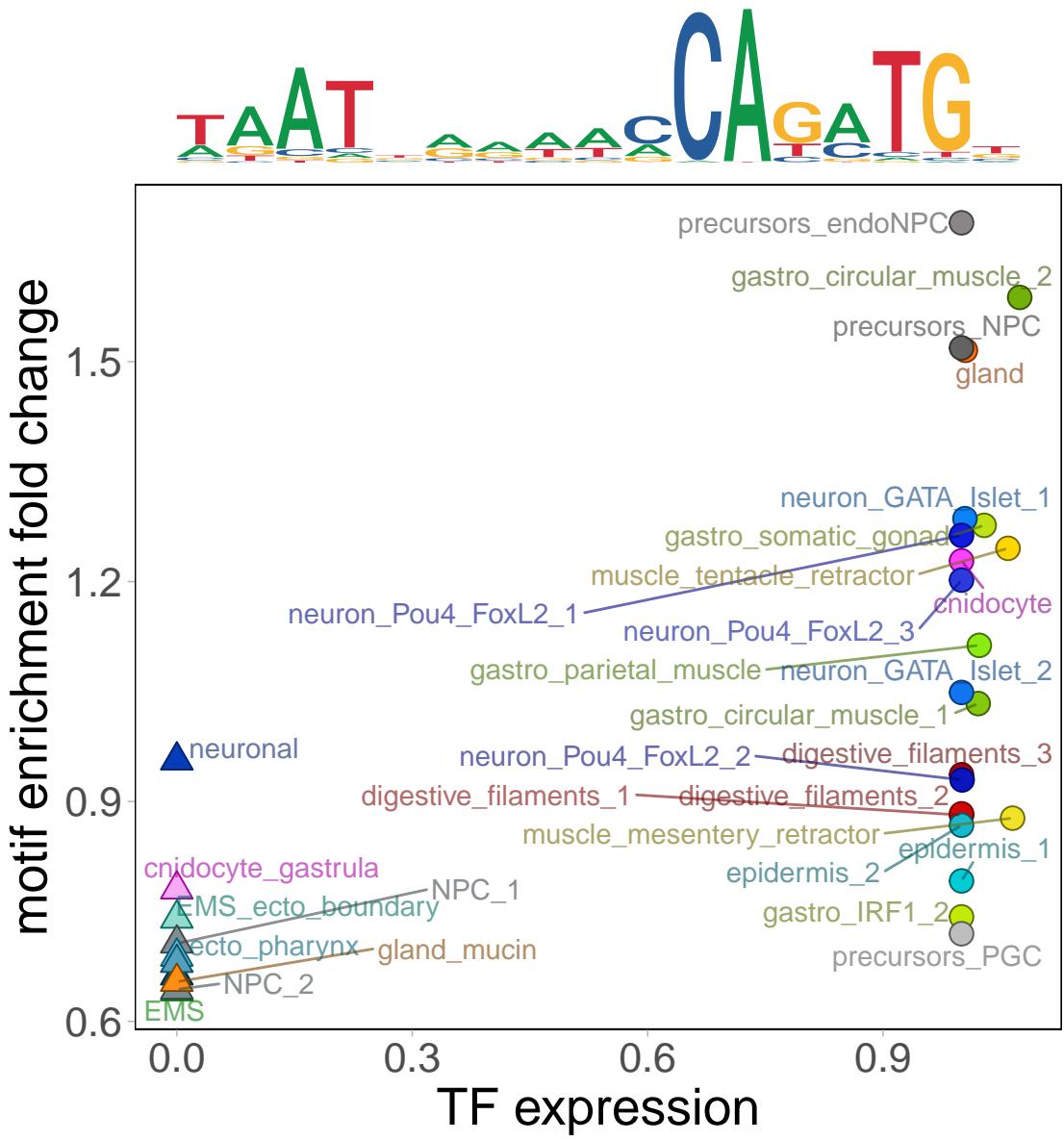
Nvec\_vc1.1\_XM\_032384228.2  
OG: HMGbox\_Sox.HG1.26:like:SOX8/S  
PFAM: HMG\_box  
motif: ARCH149\_/Sox4/Sox11\_Sox13/S  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: TRUE  
rank: 79  
gene expression correlation: -0.0045  
gene score correlation: 0.0926



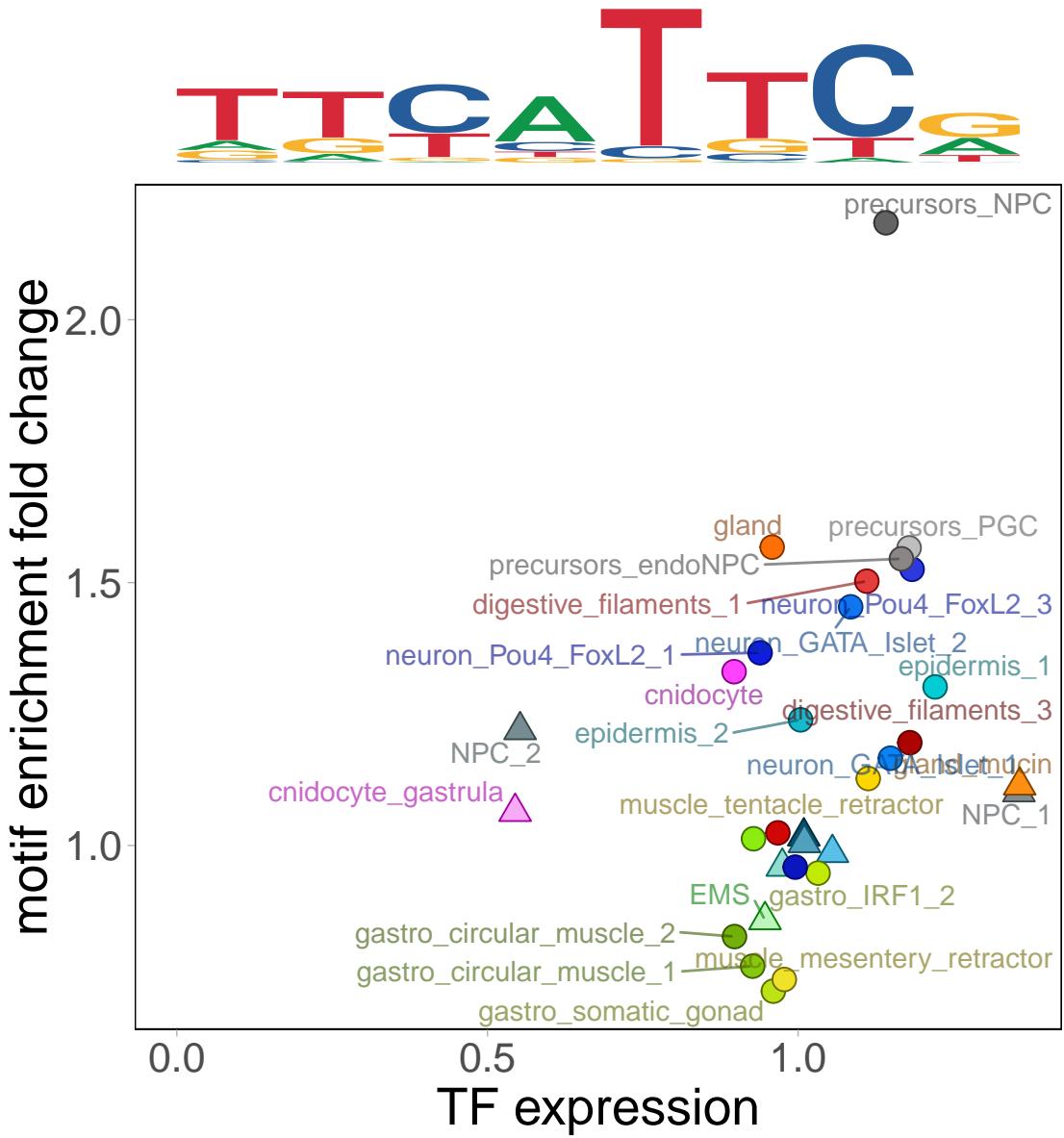
Nvec\_vc1.1\_XM\_032384300.2  
OG: bZIP.HG3.0:MAFF/MAFG/MAFK  
PFAM: bZIP\_Maf  
motif: ARCH1281\_Cic\_Hbp1\_Sox13/SO  
TF family: bZIP  
archetype family: bZIP  
CisBP assigned: TRUE  
rank: 485  
gene expression correlation: -0.0251  
gene score correlation: 0.1435



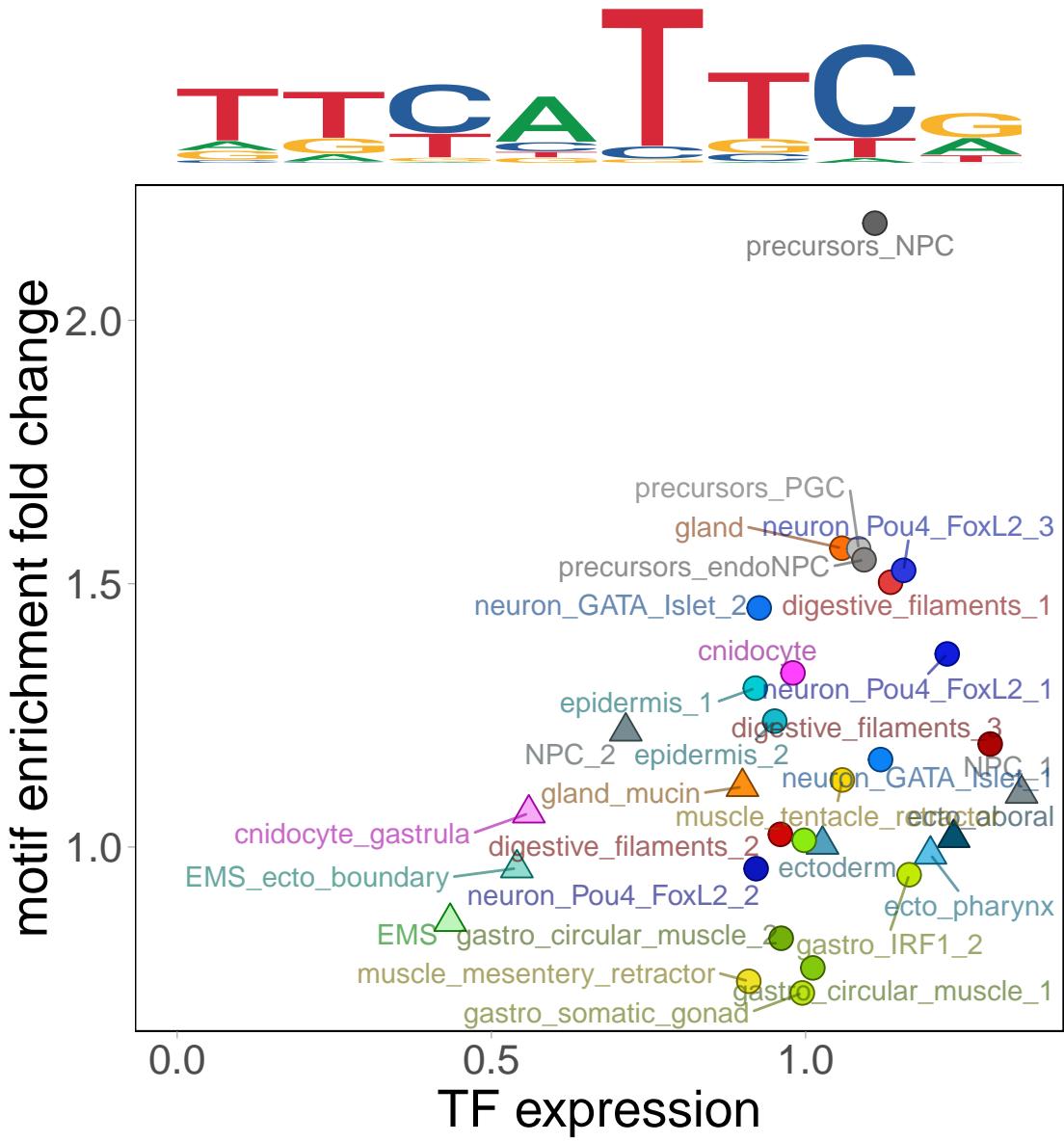
Nvec\_vc1.1\_XM\_032384433.2  
OG: HLH.HG1.86:TWIST1/TWIST2  
PFAM: HLH  
motif: M08766\_2.00  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.6293  
gene score correlation: 0.2852



Nvec\_vc1.1\_XM\_032384447.2  
OG: zf-C2H2.HG2.14:SP1/SP2/SP3/SP4  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH1204\_ARR1\_ZNF24  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 1  
gene expression correlation: 0.2862  
gene score correlation: 0.5970



Nvec\_vc1.1\_XM\_032384450.2  
OG: zf-C2H2.HG2.14:SP1/SP2/SP3/SP4  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH1204\_ARR1\_ZNF24  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 43  
gene expression correlation: 0.2849  
gene score correlation: 0.4608



Nvec\_vc1.1\_XM\_032384474.2

OG: HLH.HG1.85:SCX/TCF15

PFAM: HLH

motif: M06000\_2.00

TF family: HLH

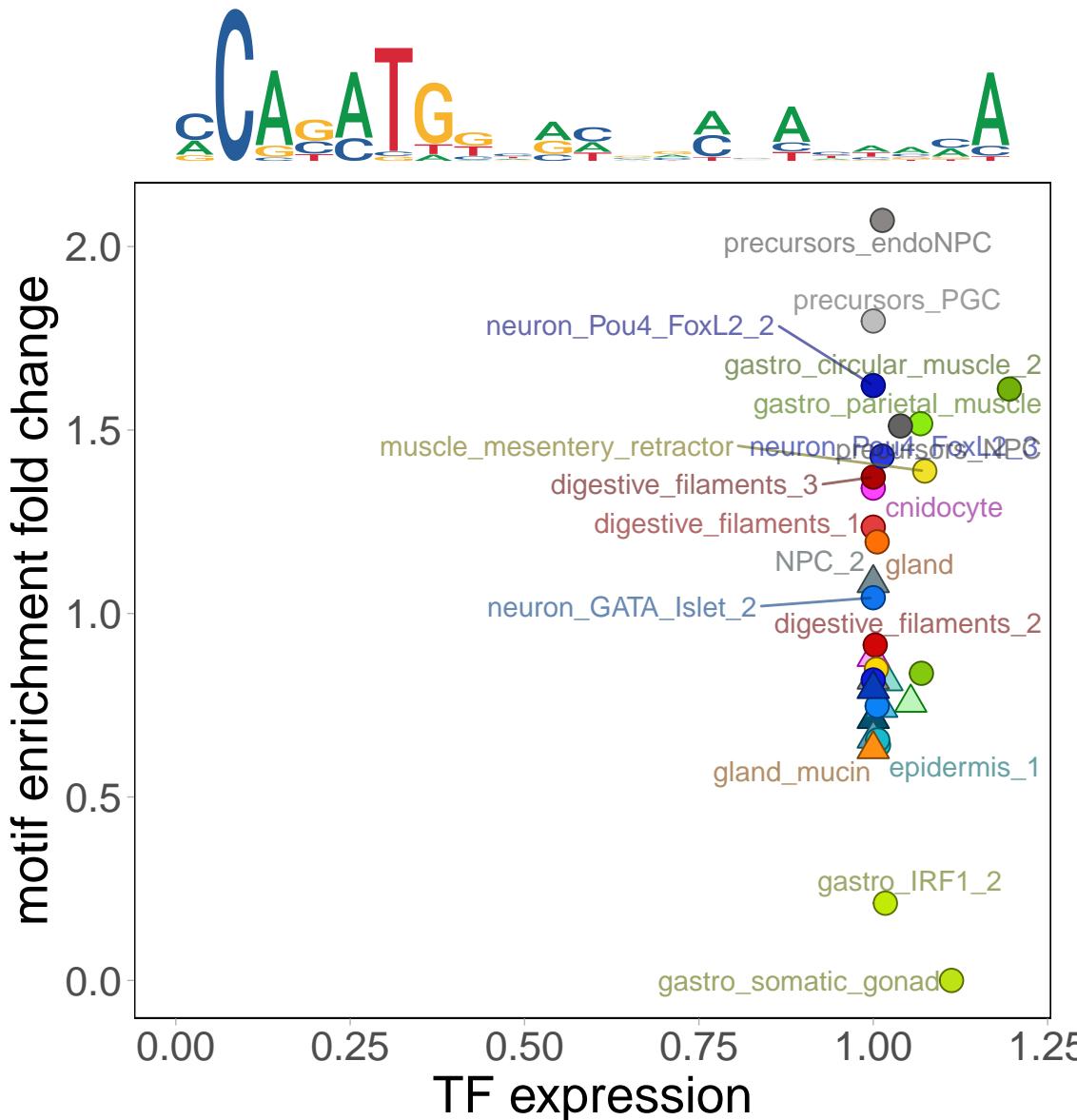
archetype family: HLH

CisBP assigned: FALSE

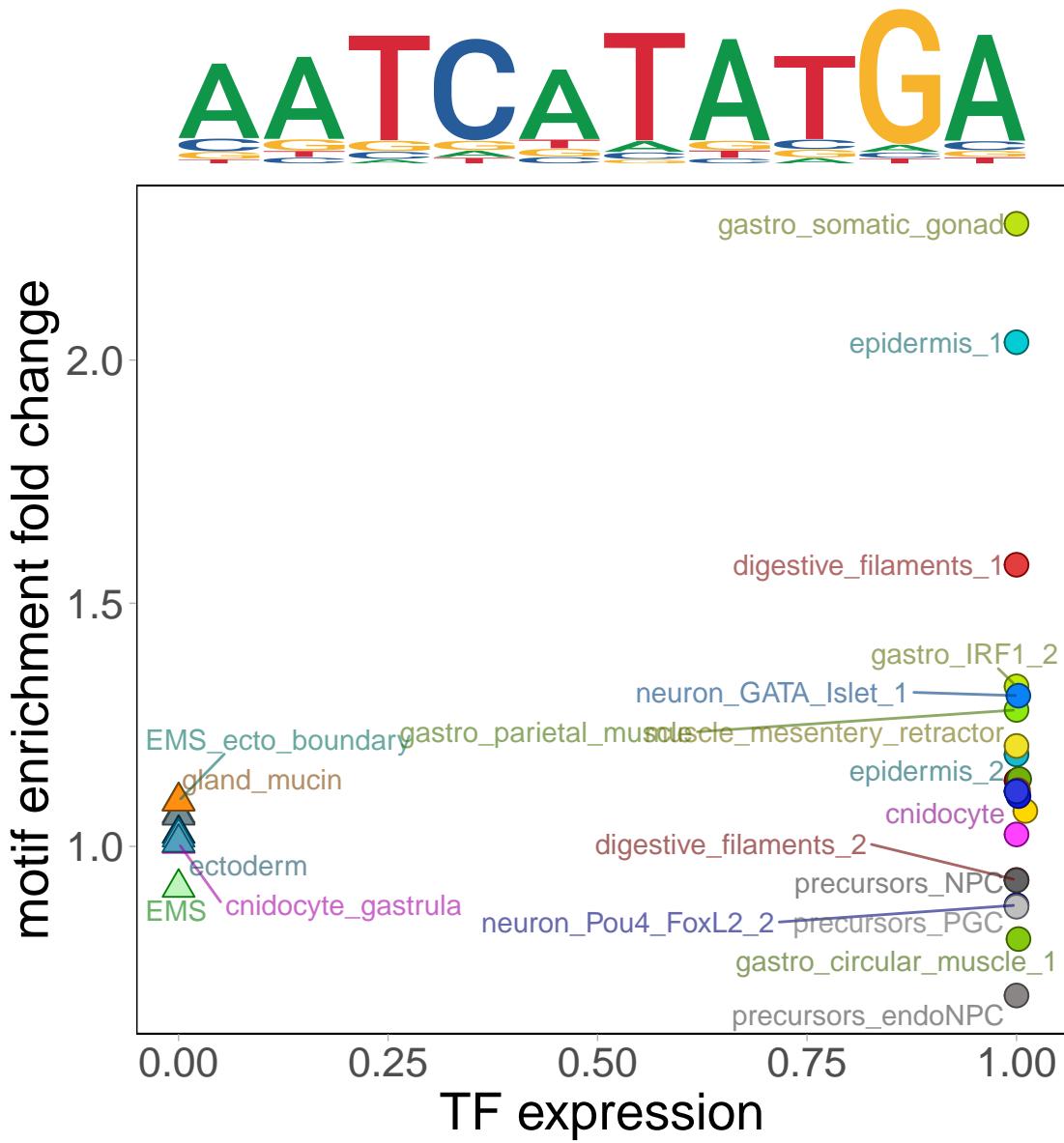
rank: 0

gene expression correlation: 0.0736

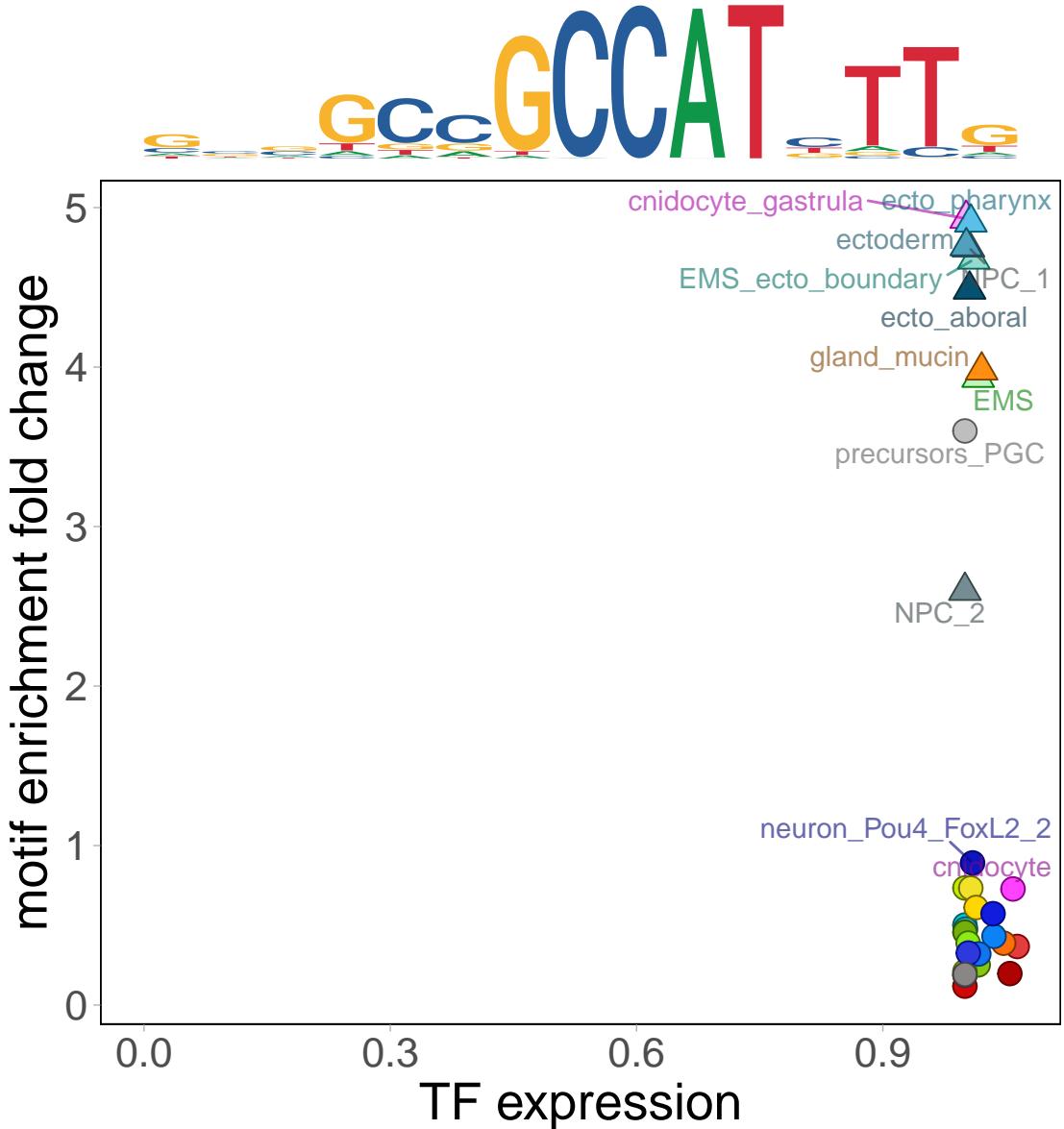
gene score correlation: 0.0660



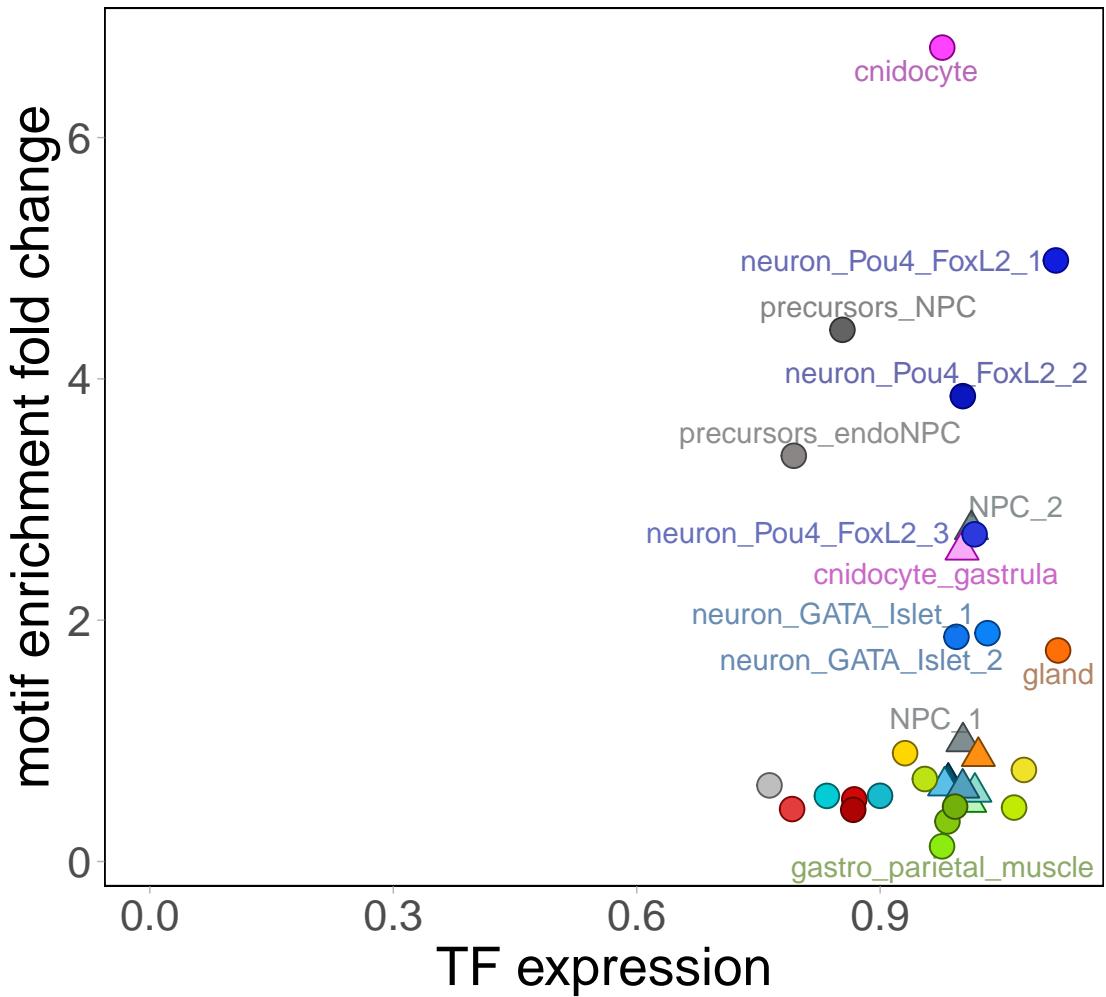
Nvec\_vc1.1\_XM\_032384492.2  
OG: HLH.HG1.93:like:SCX/TCF15  
PFAM: HLH  
motif: ARCH144\_BHLHE23  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 488  
gene expression correlation: 0.2246  
gene score correlation: -0.0490



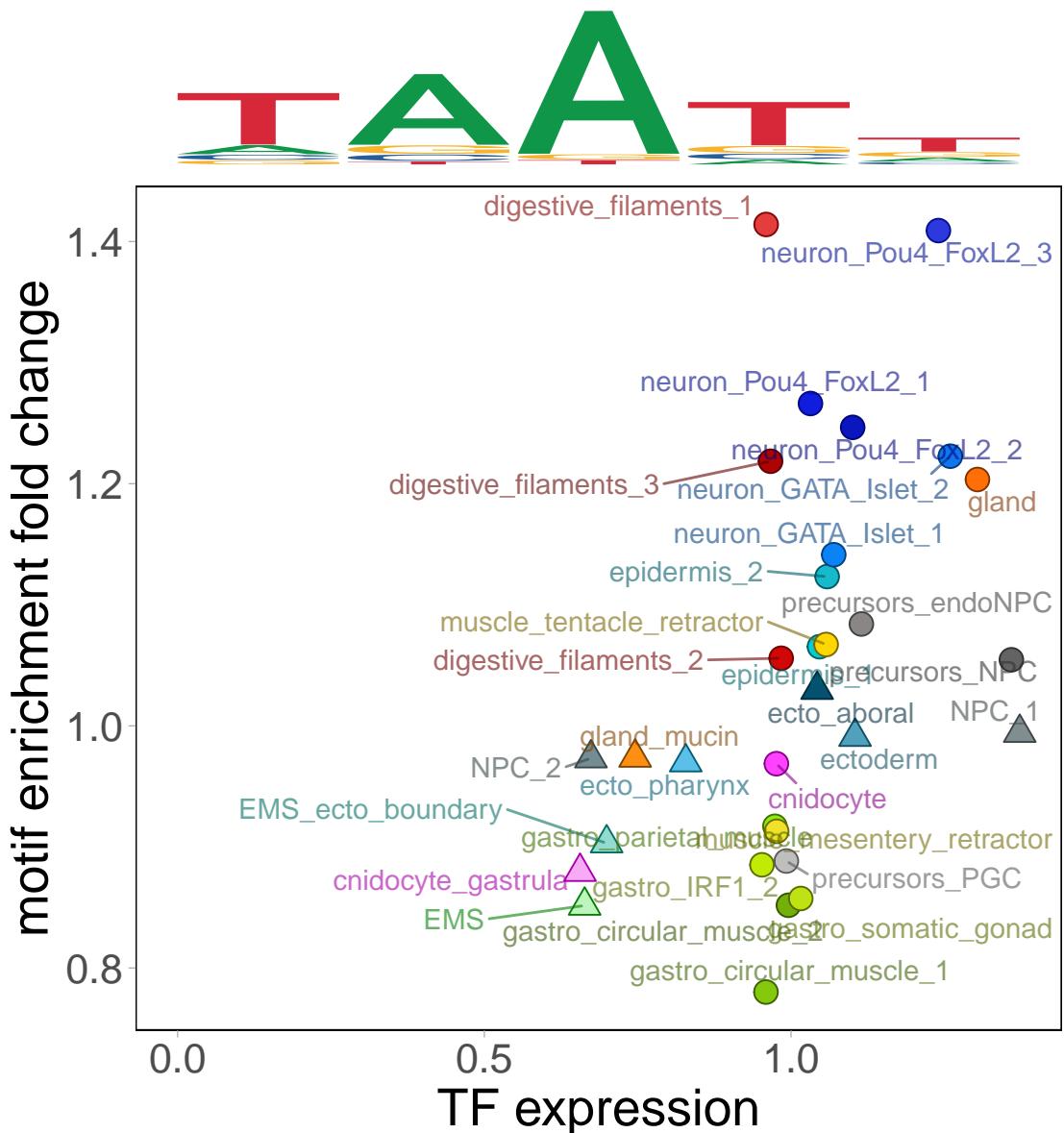
Nvec\_vc1.1\_XM\_032384768.2  
OG: zf-C2H2.HG3.0:like:AC002310.4/B  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH419\_Yy1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 7  
gene expression correlation: -0.2488  
gene score correlation: 0.1202



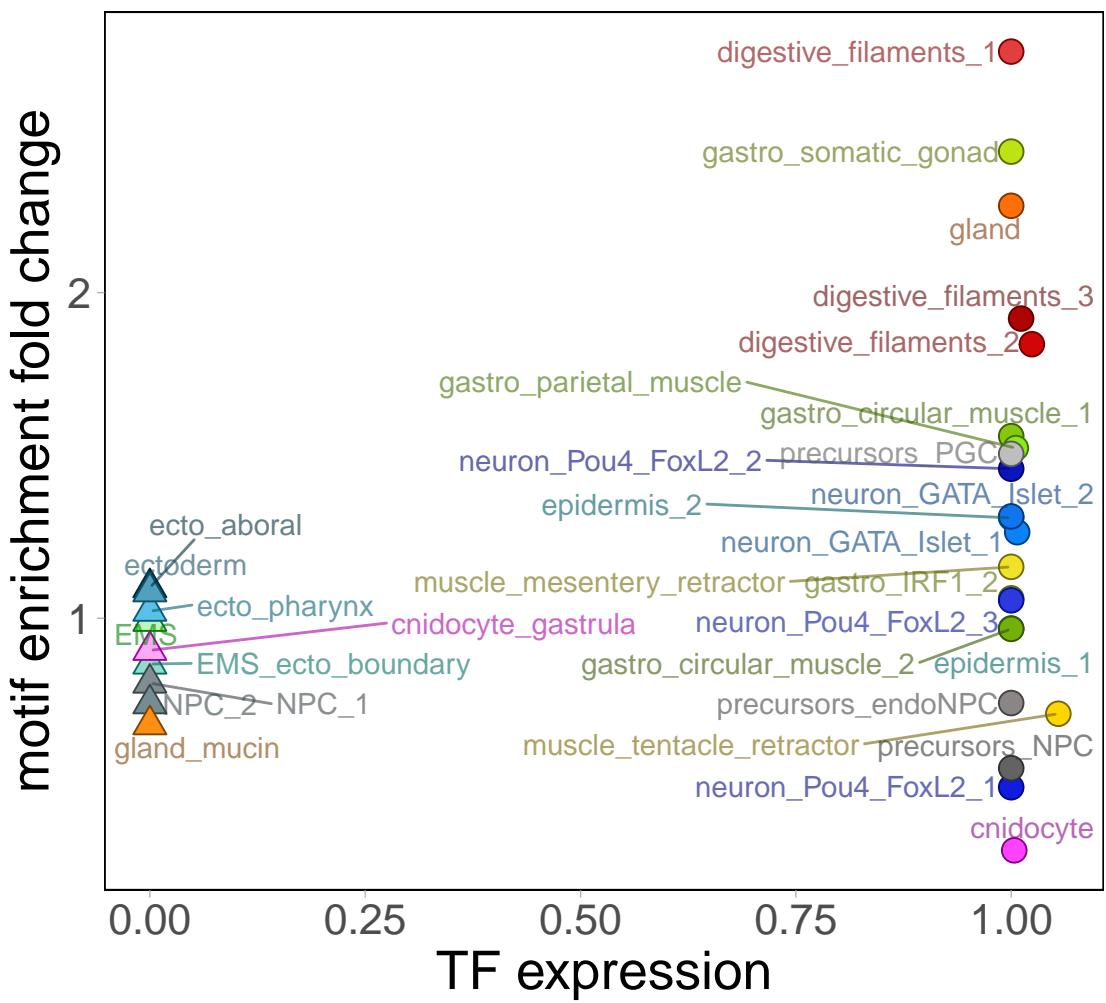
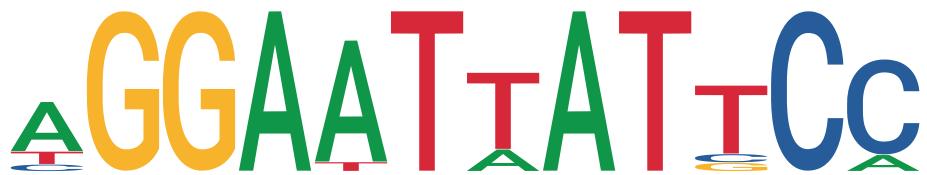
Nvec\_vc1.1\_XM\_032384912.2  
OG: zf-C2H2.HG1.78:like:AC008758.1/  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH480\_Snai2  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 441  
gene expression correlation: 0.1308  
gene score correlation: -0.1219



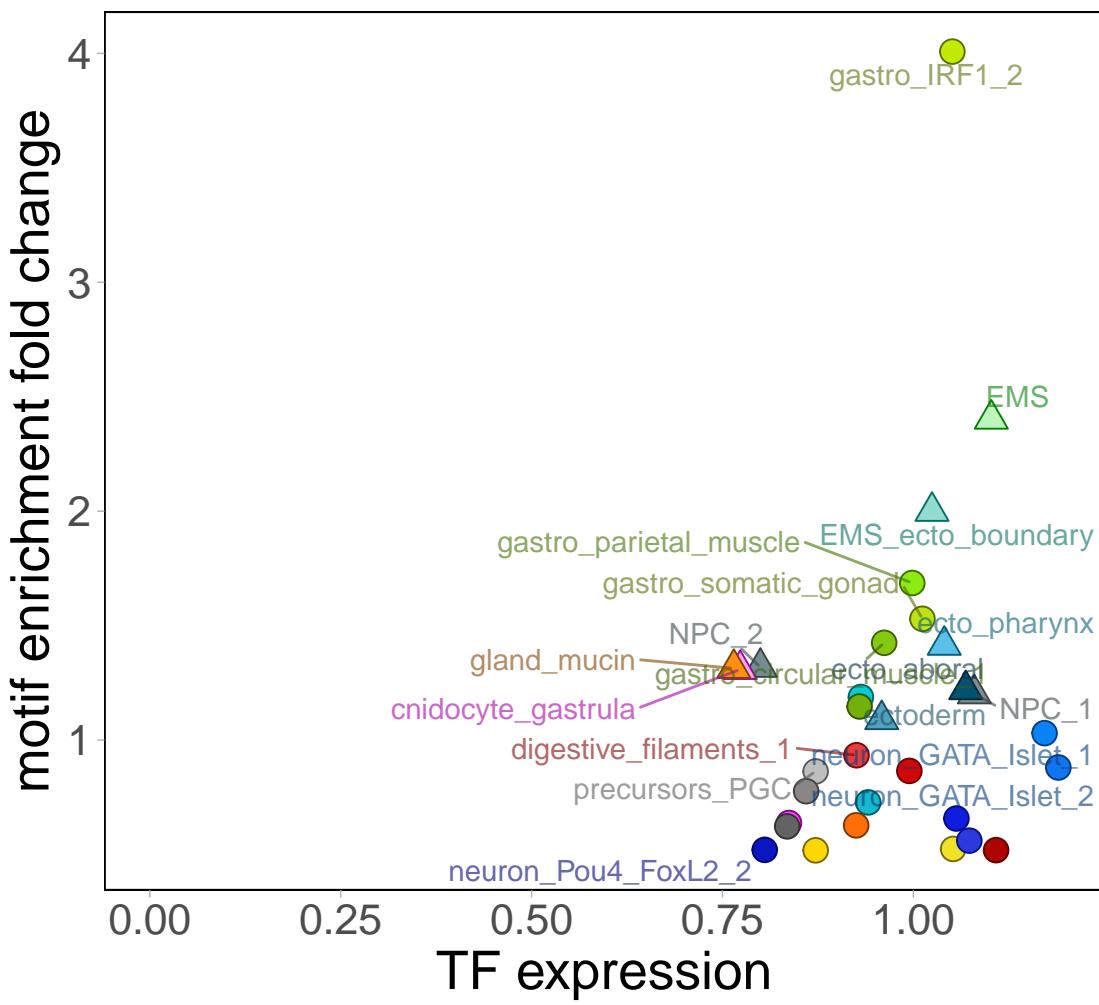
Nvec\_vc1.1\_XM\_032384949.2  
OG: Homeodomains.HG2.8:LHX2/LHX9  
PFAM: LIM/LIM/Homeodomain  
motif: ARCH219\_Alx3/Alx4/Alx1\_Barx...  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: TRUE  
rank: 13  
gene expression correlation: 0.4656  
gene score correlation: 0.5920



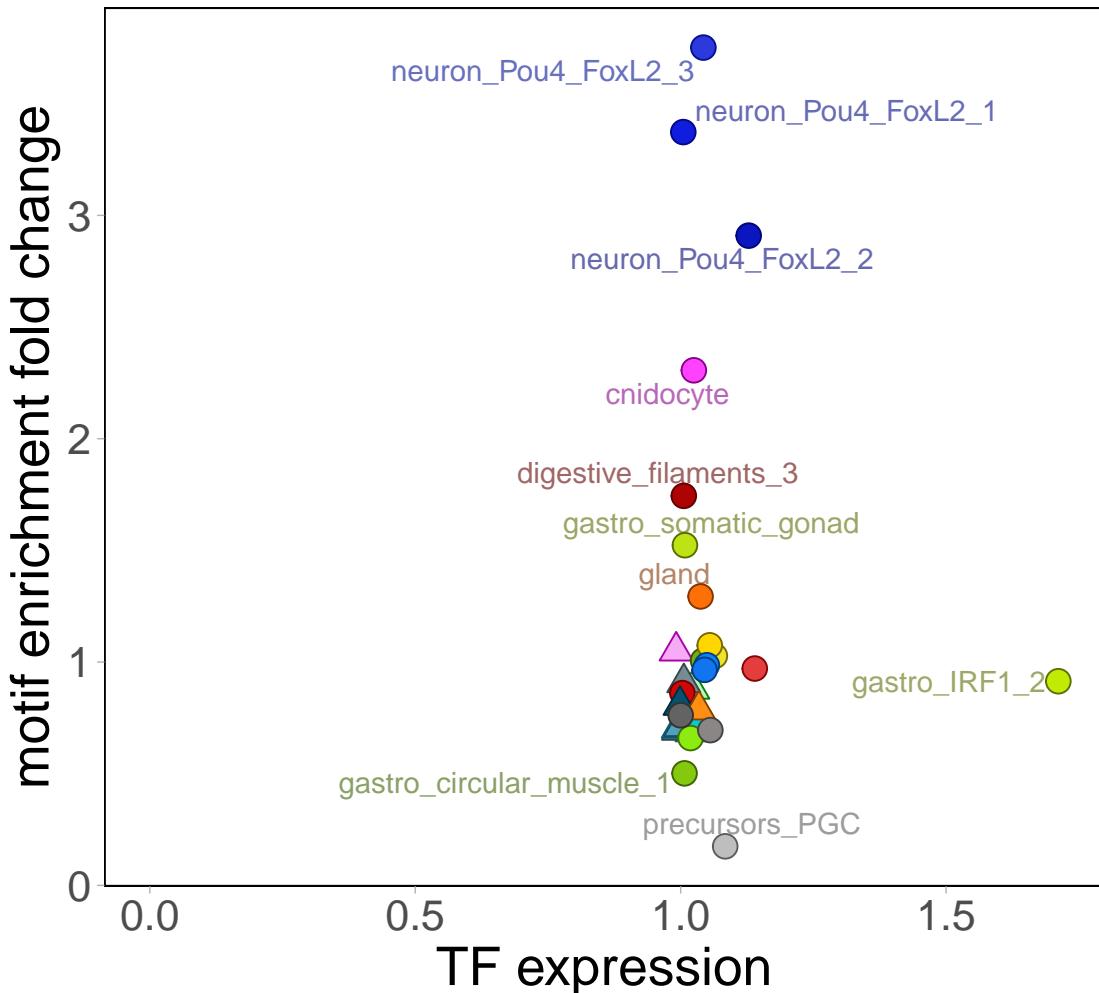
Nvec\_vc1.1\_XM\_032385045.2  
OG: Homeodomains.HG1.21:BARX1/B  
PFAM: Homeodomain  
motif: ARCH1055\_MF0010.1\_Homeob  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 601  
gene expression correlation: 0.3348  
gene score correlation: 0.3848



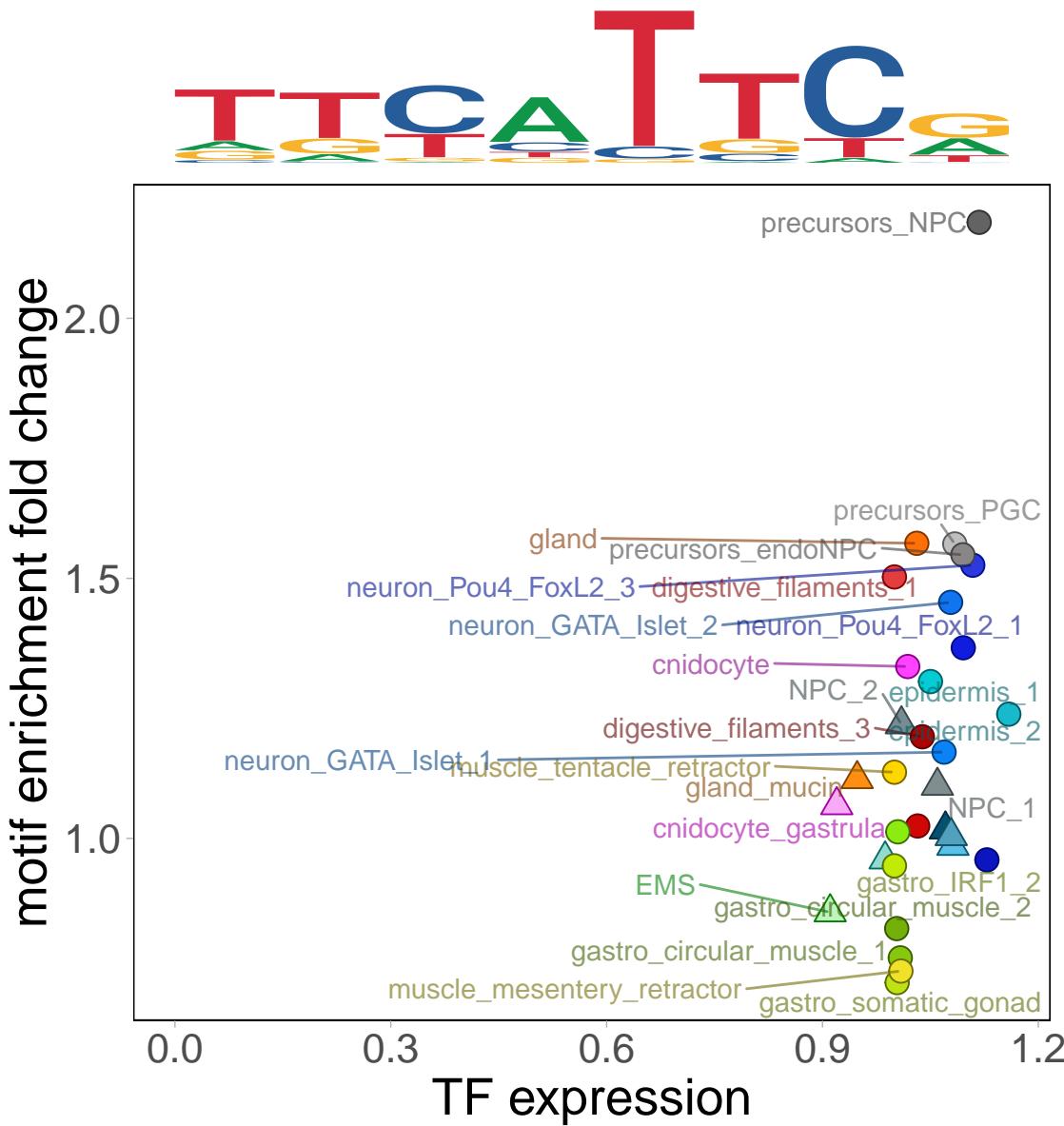
Nvec\_vc1.1\_XM\_032385089.2  
OG: Ets.HG1.7:GABPA  
PFAM: Ets  
motif: ARCH587\_Elf3/Ehf/Elf5\_Erg/F...  
TF family: Ets  
archetype family: Ets  
CisBP assigned: TRUE  
rank: 47  
gene expression correlation: 0.2039  
gene score correlation: 0.4876



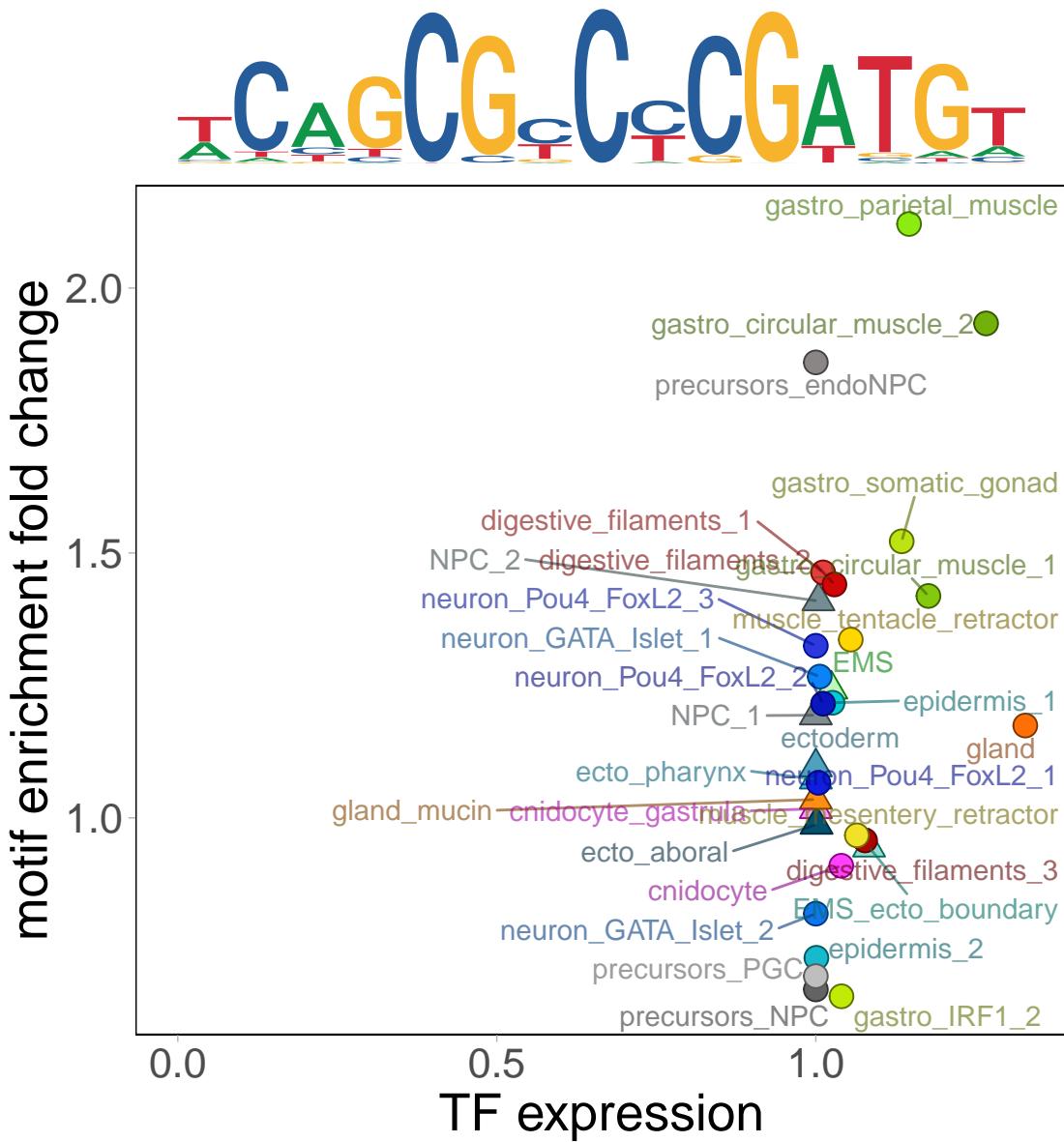
Nvec\_vc1.1\_XM\_032385169.2  
OG: Homeodomains.HG1.71:like:NOTO  
PFAM: Homeodomain  
motif: ARCH103\_Hnf1a/Hnf1b  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 34  
gene expression correlation: -0.0154  
gene score correlation: 0.1768



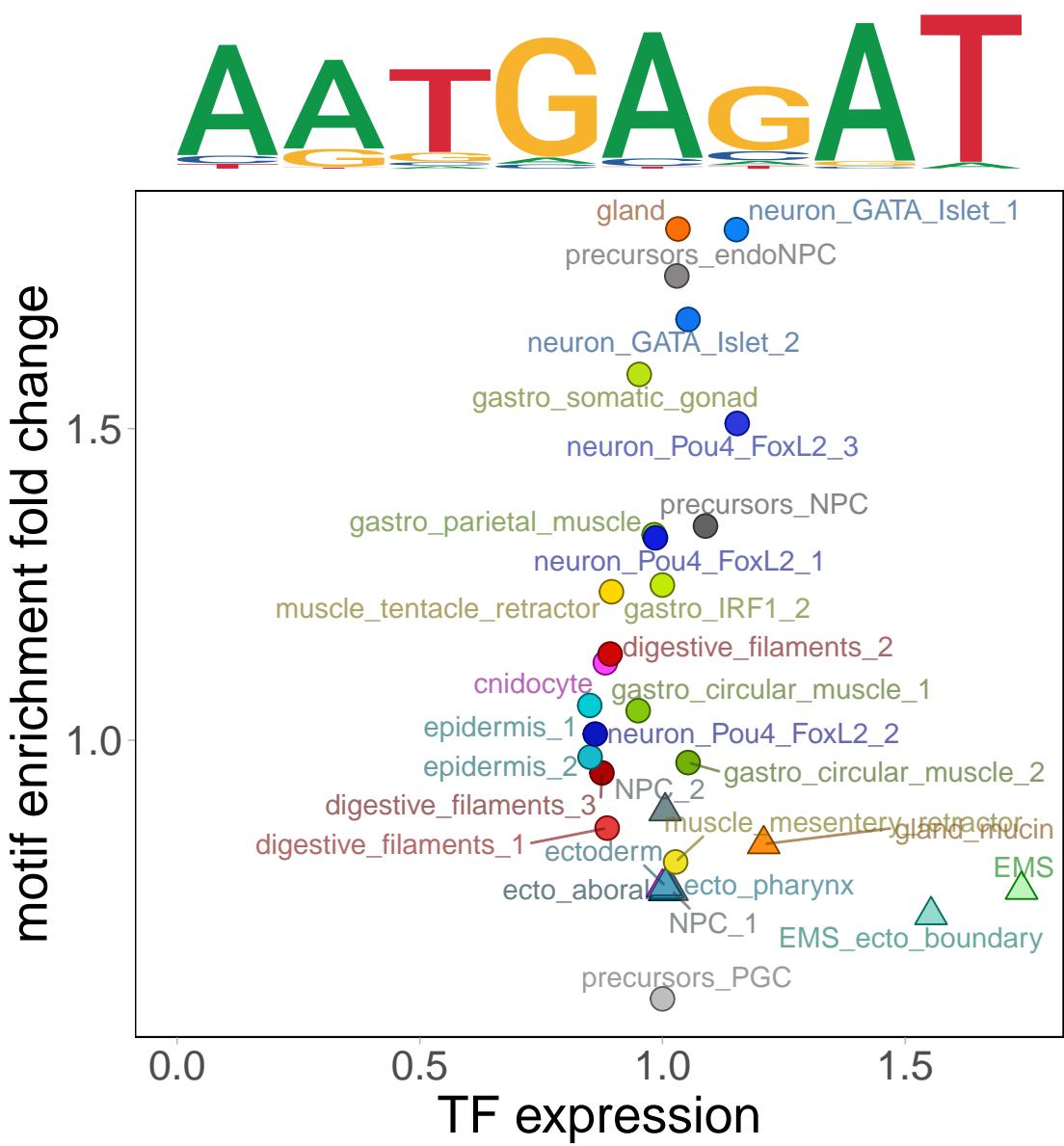
Nvec\_vc1.1\_XM\_032385373.2  
OG: zf-C2H2.HG13.5:GLI4/ZFP90/ZNF  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: ARCH1204\_ARR1\_ZNF24  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 1050  
gene expression correlation: 0.4624  
gene score correlation: 0.3153



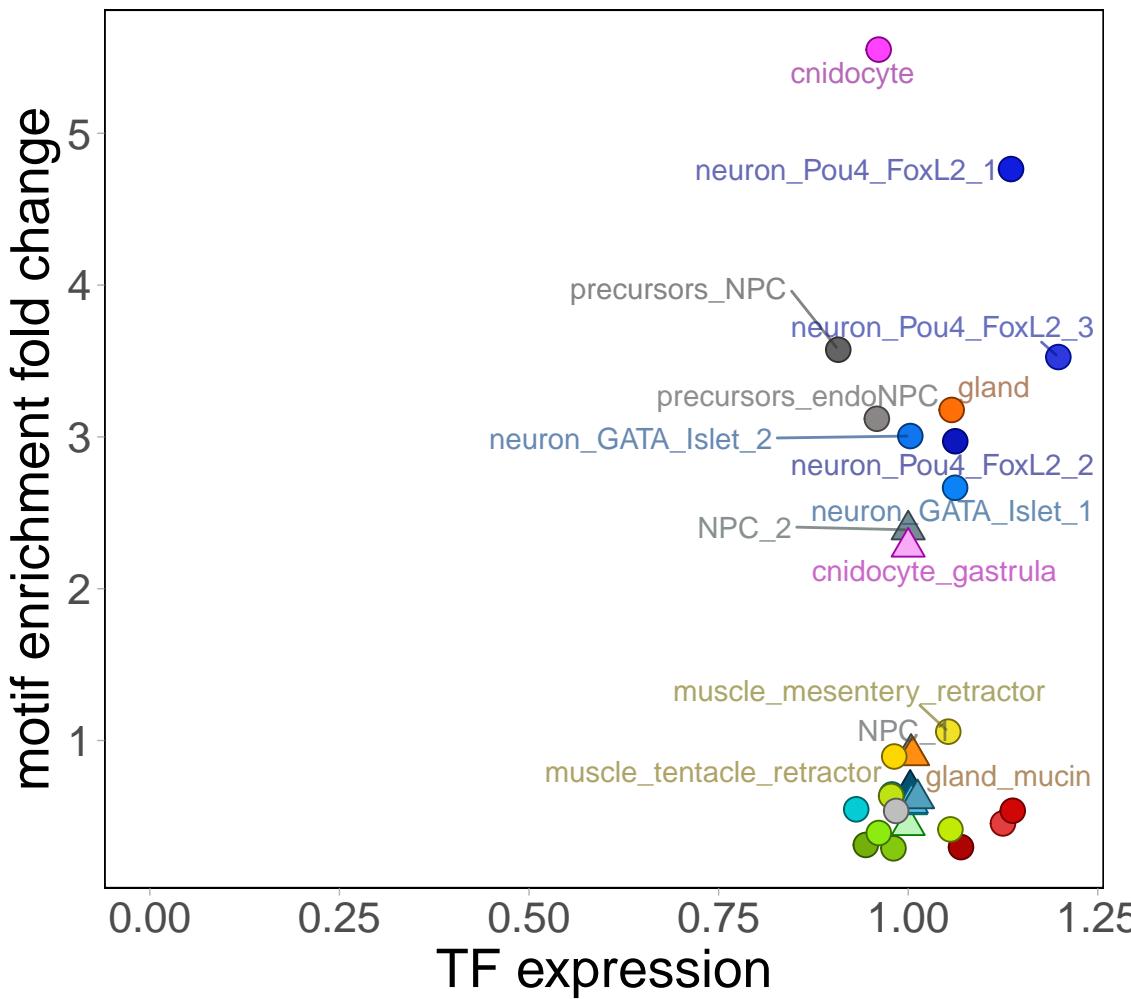
Nvec\_vc1.1\_XM\_032385411.2  
OG: HMGbox\_Sox.HG1.17:PINX1/SOX  
PFAM: HMG\_box  
motif: ARCH924\_/Lef1/Tcf7l1/Tcf7  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: FALSE  
rank: 314  
gene expression correlation: 0.4096  
gene score correlation: 0.5476



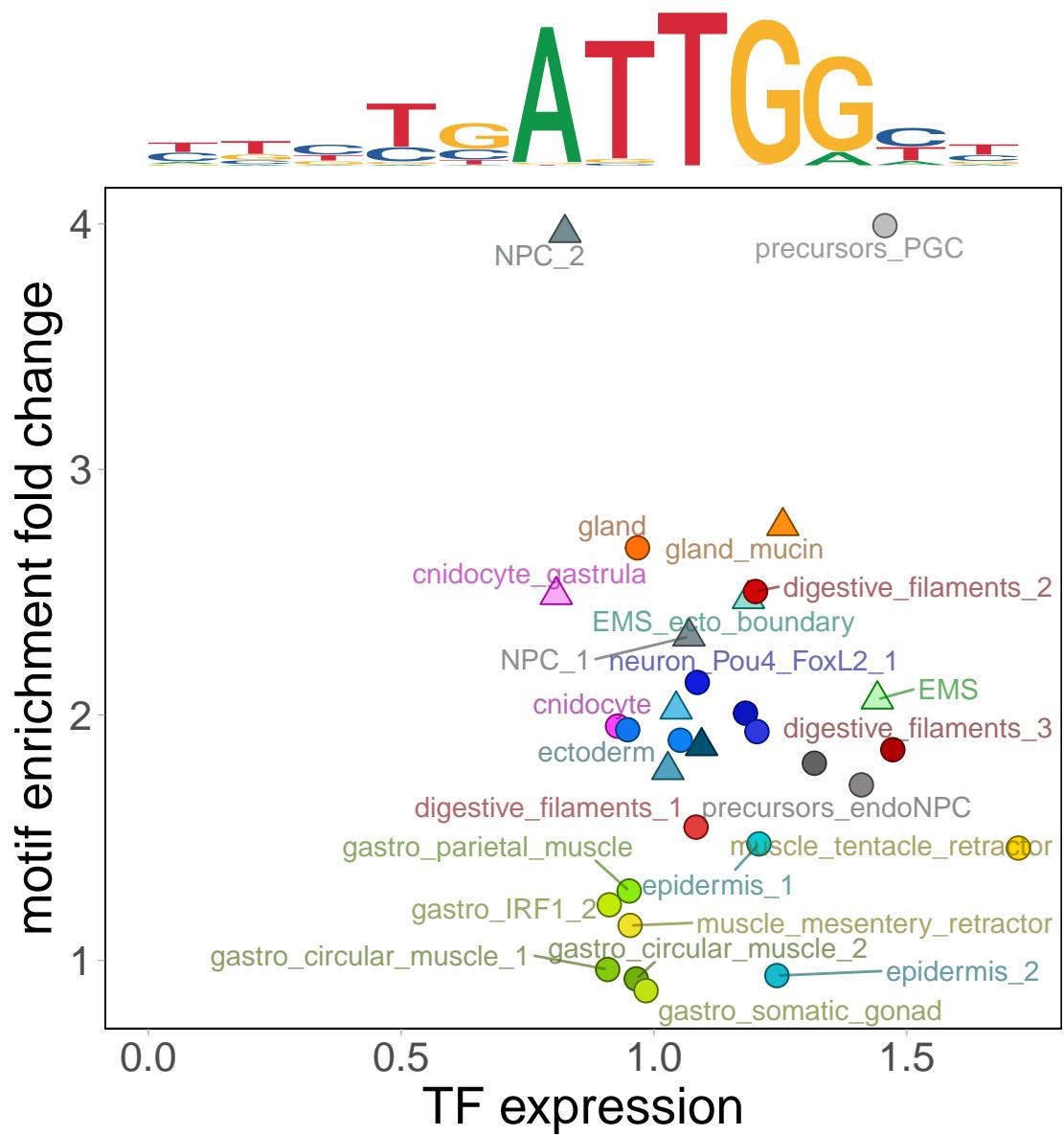
Nvec\_vc1.1\_XM\_032385556.2  
OG: Homeodomains.HG4.9:like:POU3F  
PFAM: Pou/Homeodomain  
motif: ARCH950\_POU6F1  
TF family: Pou/Homeodomain  
archetype family: Pou/Homeodomain  
CisBP assigned: FALSE  
rank: 63  
gene expression correlation: -0.1233  
gene score correlation: 0.5061



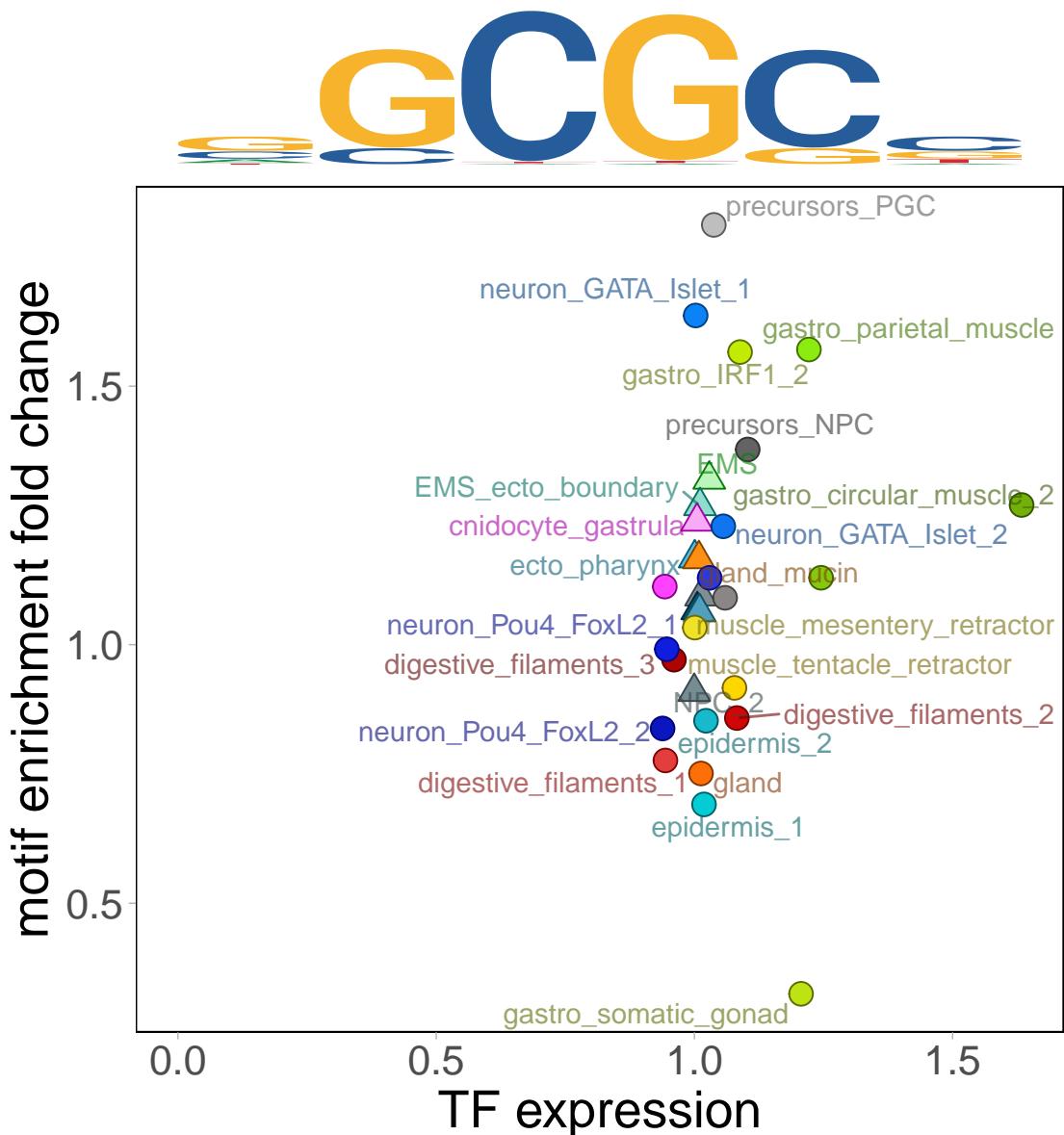
Nvec\_vc1.1\_XM\_032385569.2  
OG: HLH.HG1.0:AC019117.4/AHR/AHF  
PFAM: HLH/PAS/PAS\_11  
motif: ARCH867\_ZEB1\_PL0011.1\_hlh  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 285  
gene expression correlation: 0.1585  
gene score correlation: 0.0684



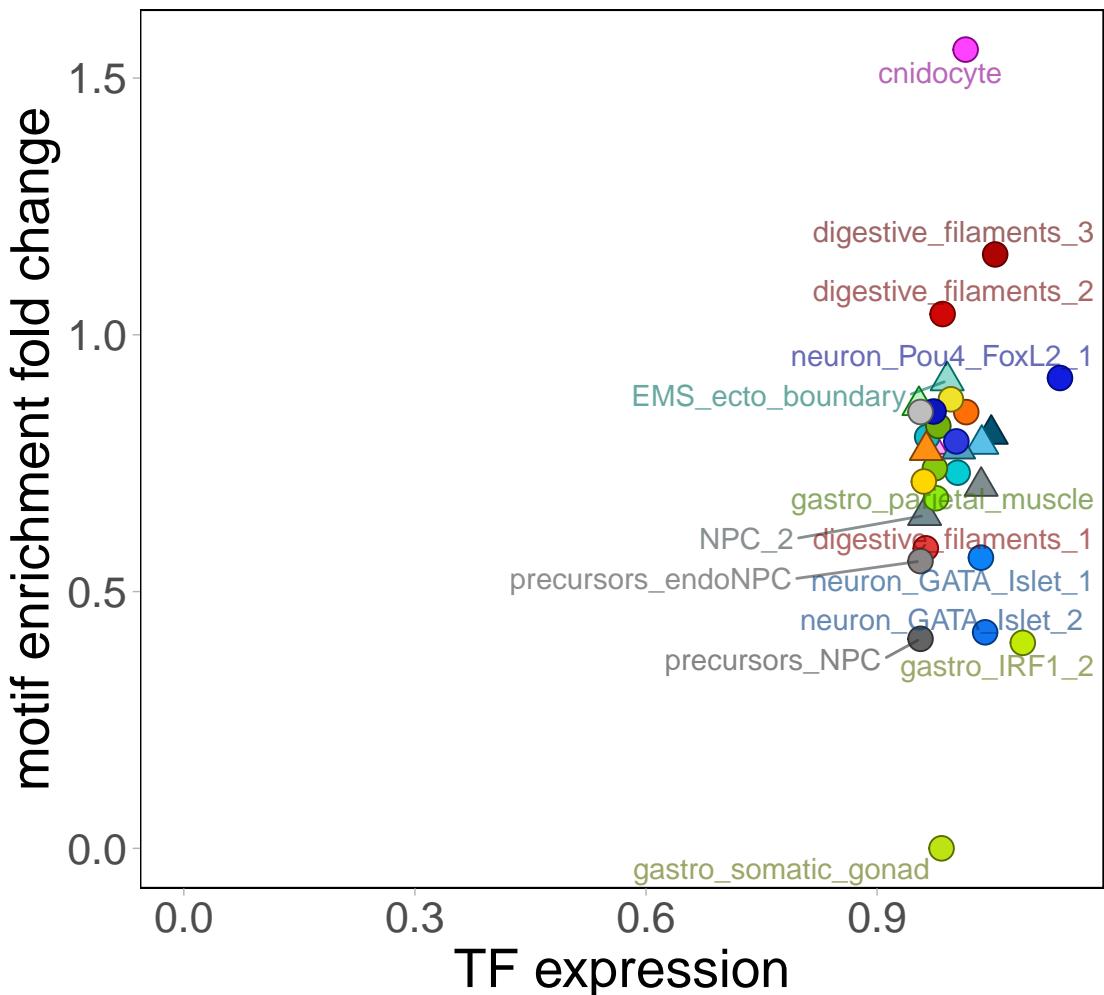
Nvec\_vc1.1\_XM\_032385577.2  
OG: Homeodomains.HG3.2:CERS2/CE  
PFAM: Homeodomain/TRAM\_LAG1\_CL  
motif: ARCH121\_Nfya\_Pbx4/Pbx2/Pbx1  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 193  
gene expression correlation: 0.0765  
gene score correlation: 0.1417



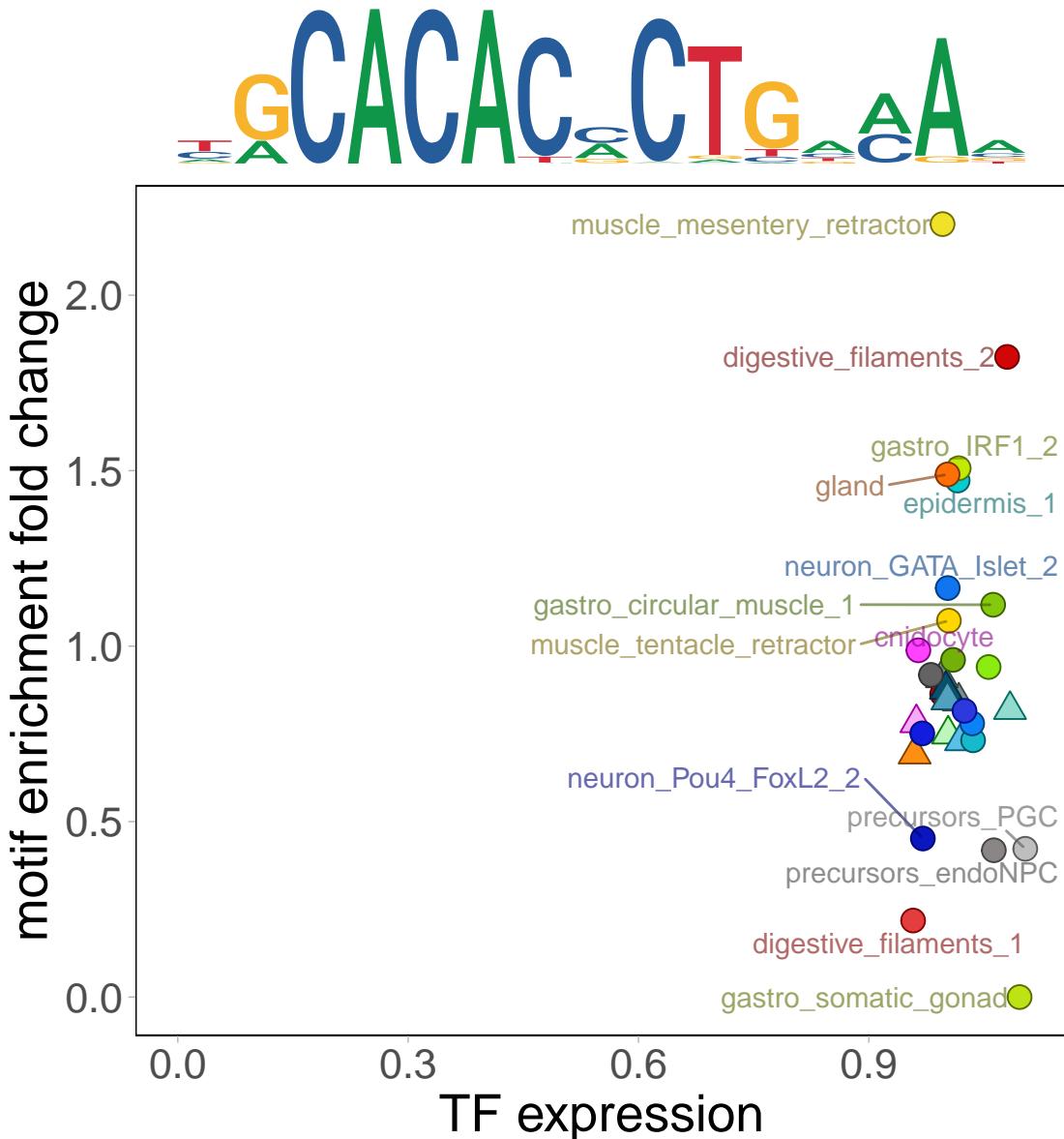
Nvec\_vc1.1\_XM\_032385715.2  
OG: E2F\_TDP.HG1.4:E2F1/E2F2/E2F3  
PFAM: E2F\_TDP/E2F\_CC-MB  
motif: ARCH394\_/E2f4\_E2f6\_E2f8/E2f7  
TF family: E2F\_TDP  
archetype family: E2F\_TDP  
CisBP assigned: FALSE  
rank: 81  
gene expression correlation: 0.1342  
gene score correlation: 0.1992



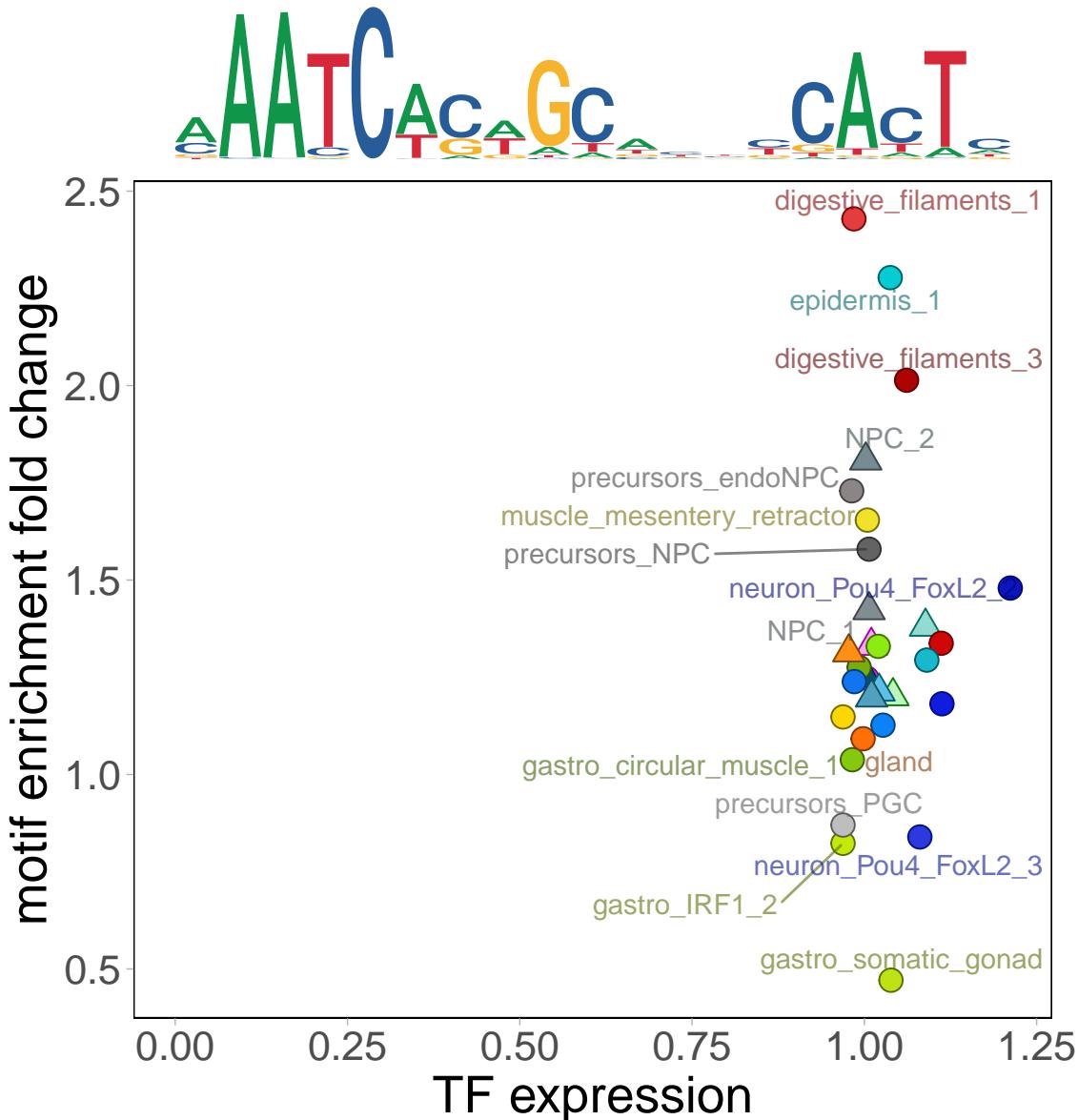
Nvec\_vc1.1\_XM\_032385746.2  
OG: Myb.HG1.2:DMTF1/TTF1  
PFAM: Myb\_DNA-binding/Myb\_DNA-b  
motif: ARCH1379\_MYB17  
TF family: Myb  
archetype family: Myb  
CisBP assigned: FALSE  
rank: 20  
gene expression correlation: 0.1026  
gene score correlation: 0.2157



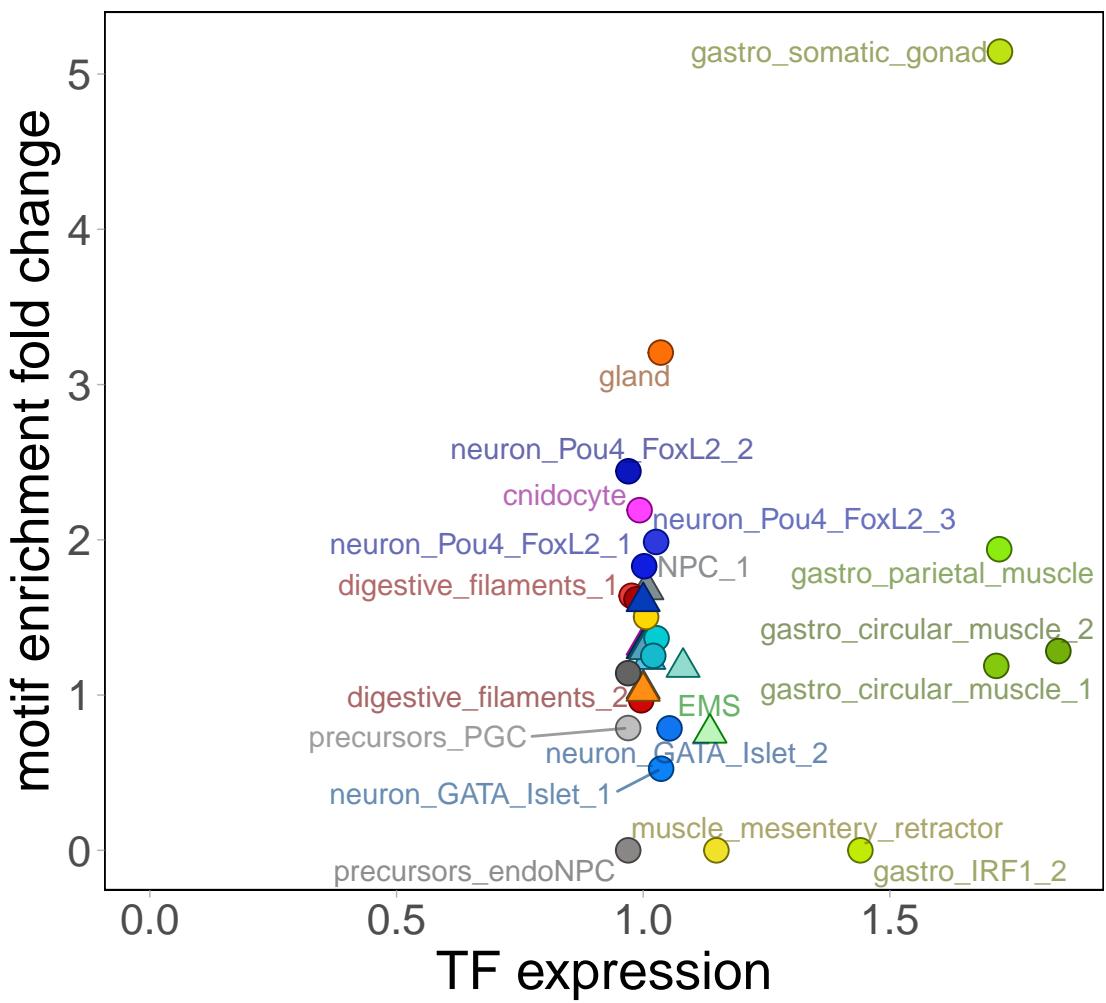
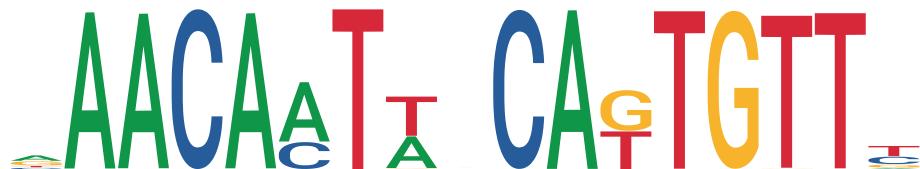
Nvec\_vc1.1\_XM\_032385905.2  
OG: zf-C2H2.HG1.3:ZBTB3  
PFAM: zf-C2H2  
motif: ARCH1368\_M04483\_2.00\_\_M04  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 1727  
gene expression correlation: -0.0631  
gene score correlation: 0.0237



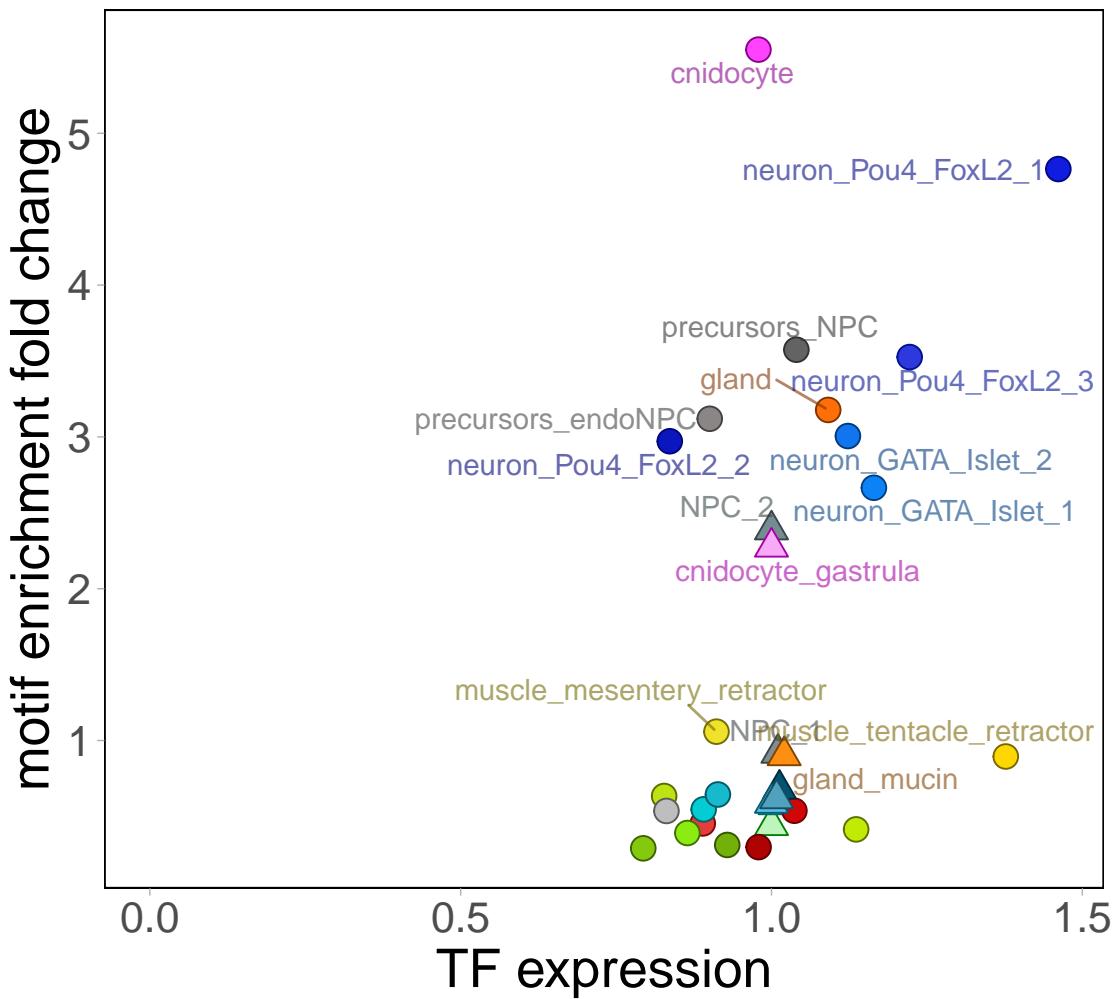
Nvec\_vc1.1\_XM\_032385963.2  
OG: zf-C2H2.HG8.0:ZNF576/ZNF683/Z  
PFAM: zf-C2H2/zf-C2H2  
motif: ARCH1345\_Gfi1b/Gfi1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 715  
gene expression correlation: 0.0324  
gene score correlation: 0.1614



Nvec\_vc1.1\_XM\_032386296.2  
OG: HMGbox\_Sox.HG1.18:like:SOX1/S  
PFAM: HMG\_box  
motif: M03983\_2.00  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: TRUE  
rank: 0  
gene expression correlation: 0.2490  
gene score correlation: 0.0973



Nvec\_vc1.1\_XM\_032386356.2  
OG: HLH.HG1.25:SREBF1/SREBF2  
PFAM: HLH  
motif: ARCH867\_ZEB1\_\_PL0011.1\_hlh  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 357  
gene expression correlation: 0.4155  
gene score correlation: 0.1633



Nvec\_vc1.1\_XM\_032386464.2

OG: HLH.HG1.51:ID1/ID2/ID3/ID4

PFAM: HLH

motif: ARCH1373\_bHLH130

TF family: HLH

archetype family: HLH

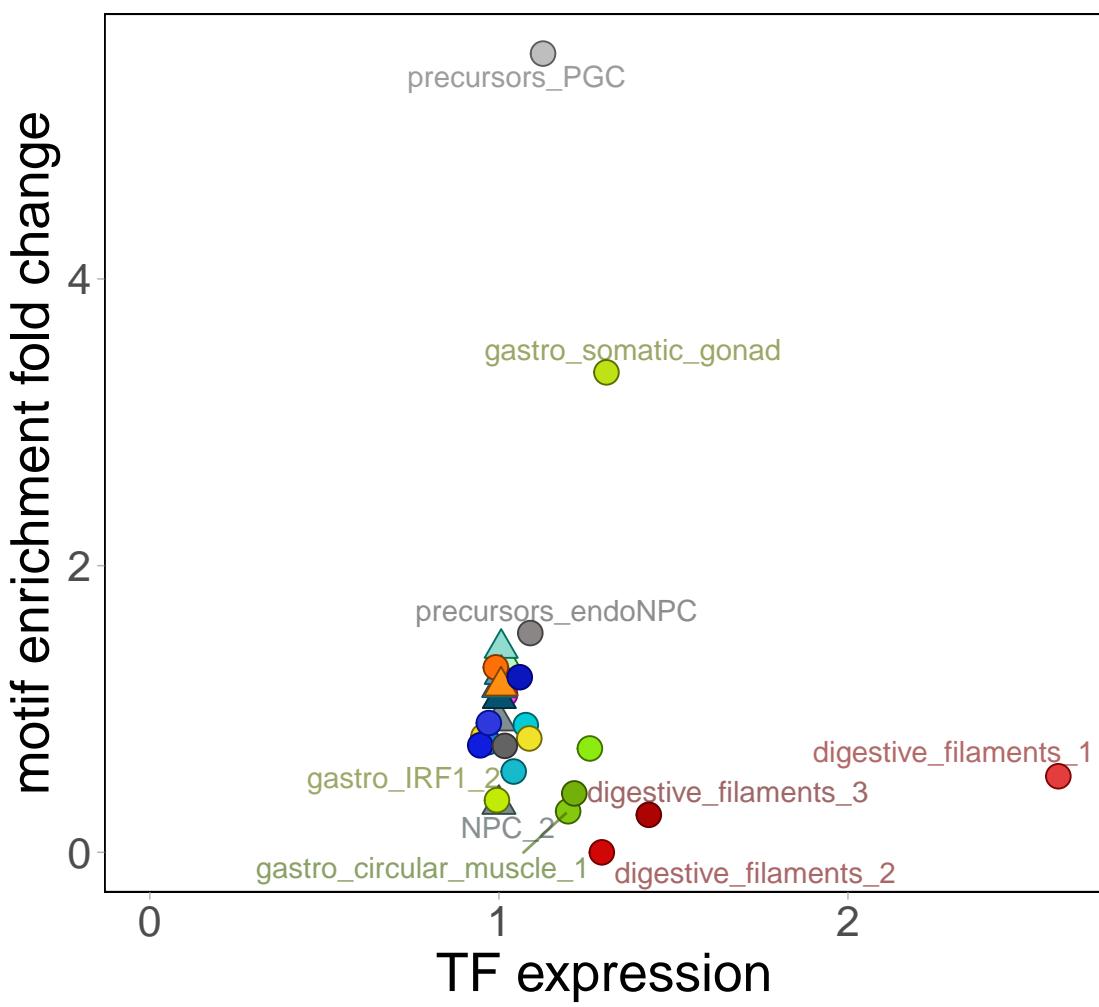
CisBP assigned: FALSE

rank: 257

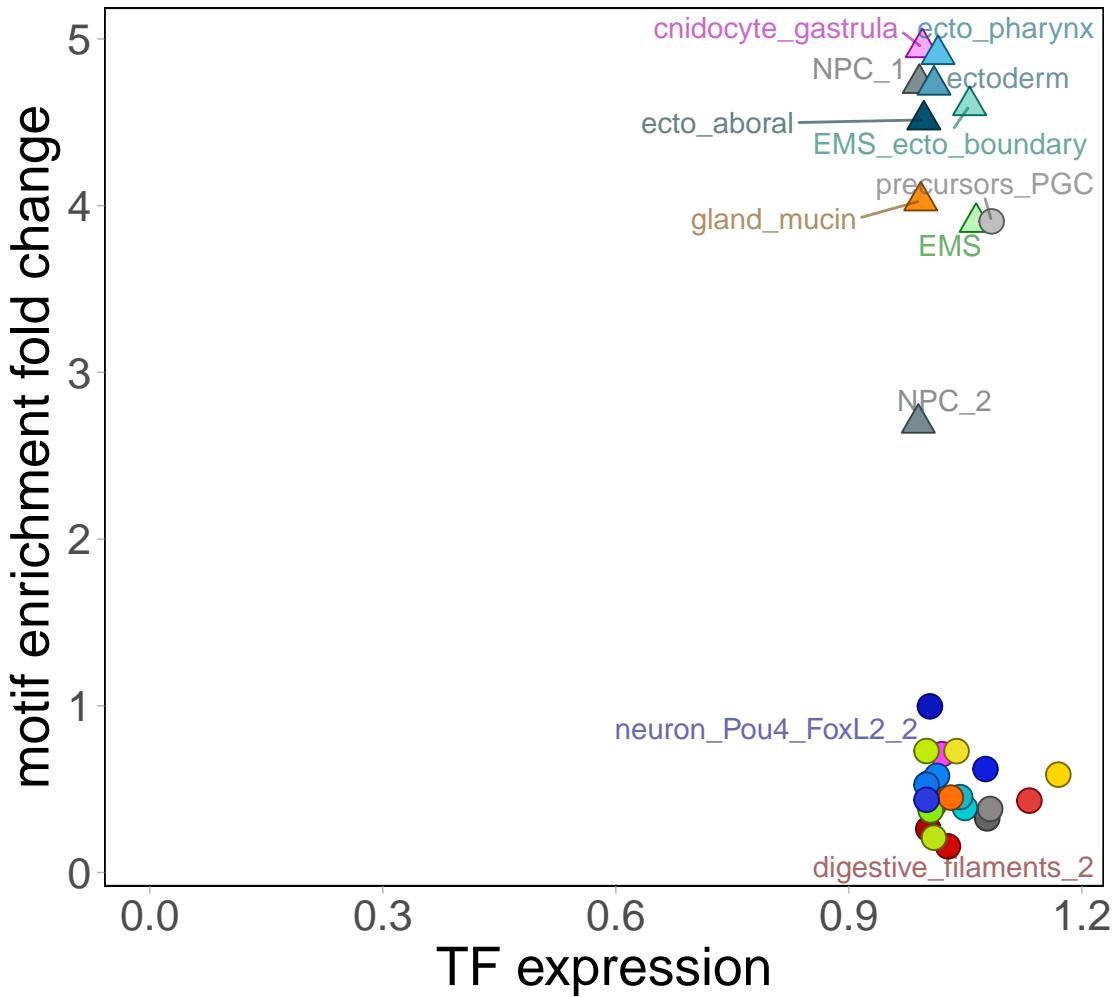
gene expression correlation: -0.0680

gene score correlation: -0.1145

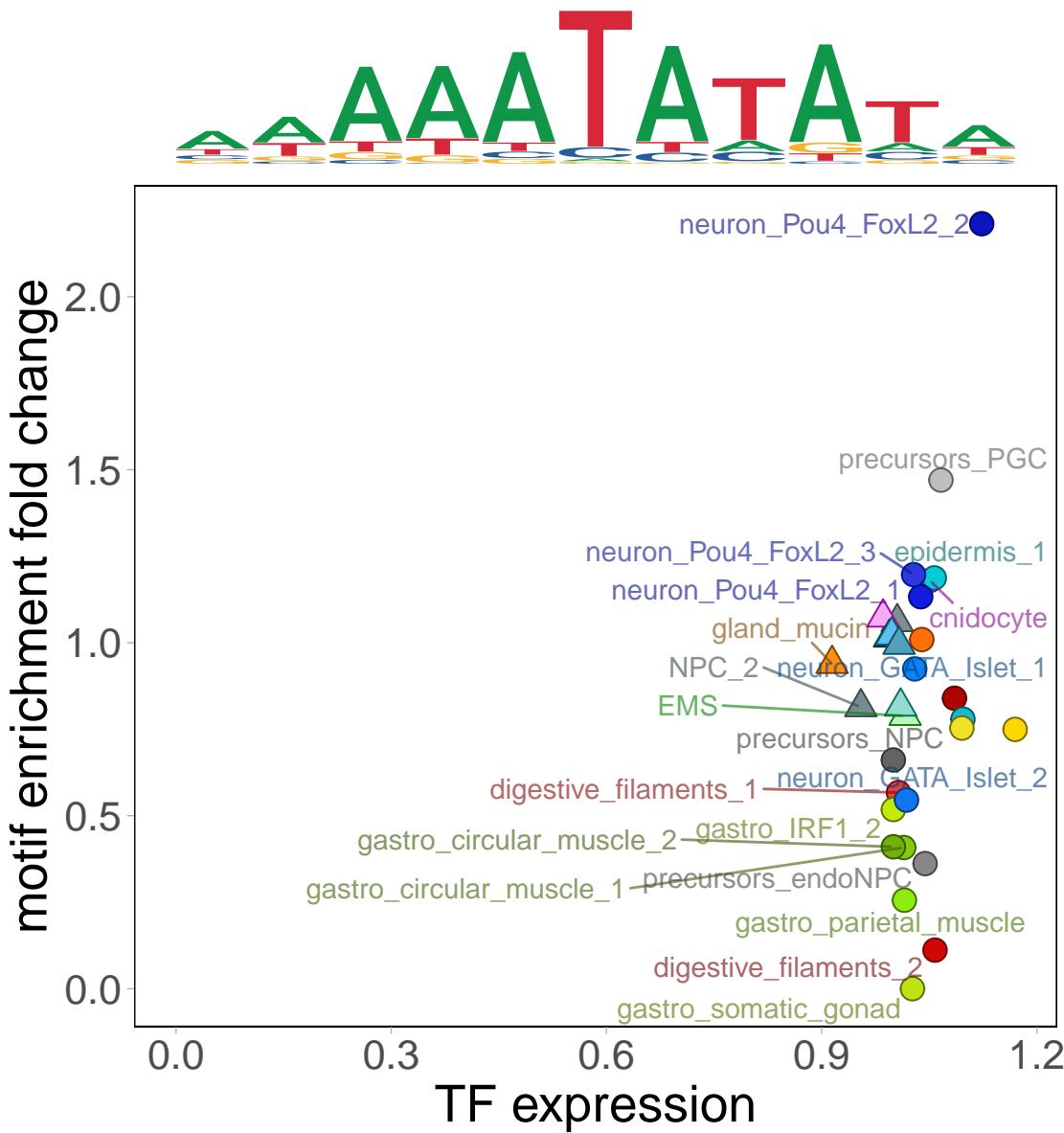
T G C G A C T T G G



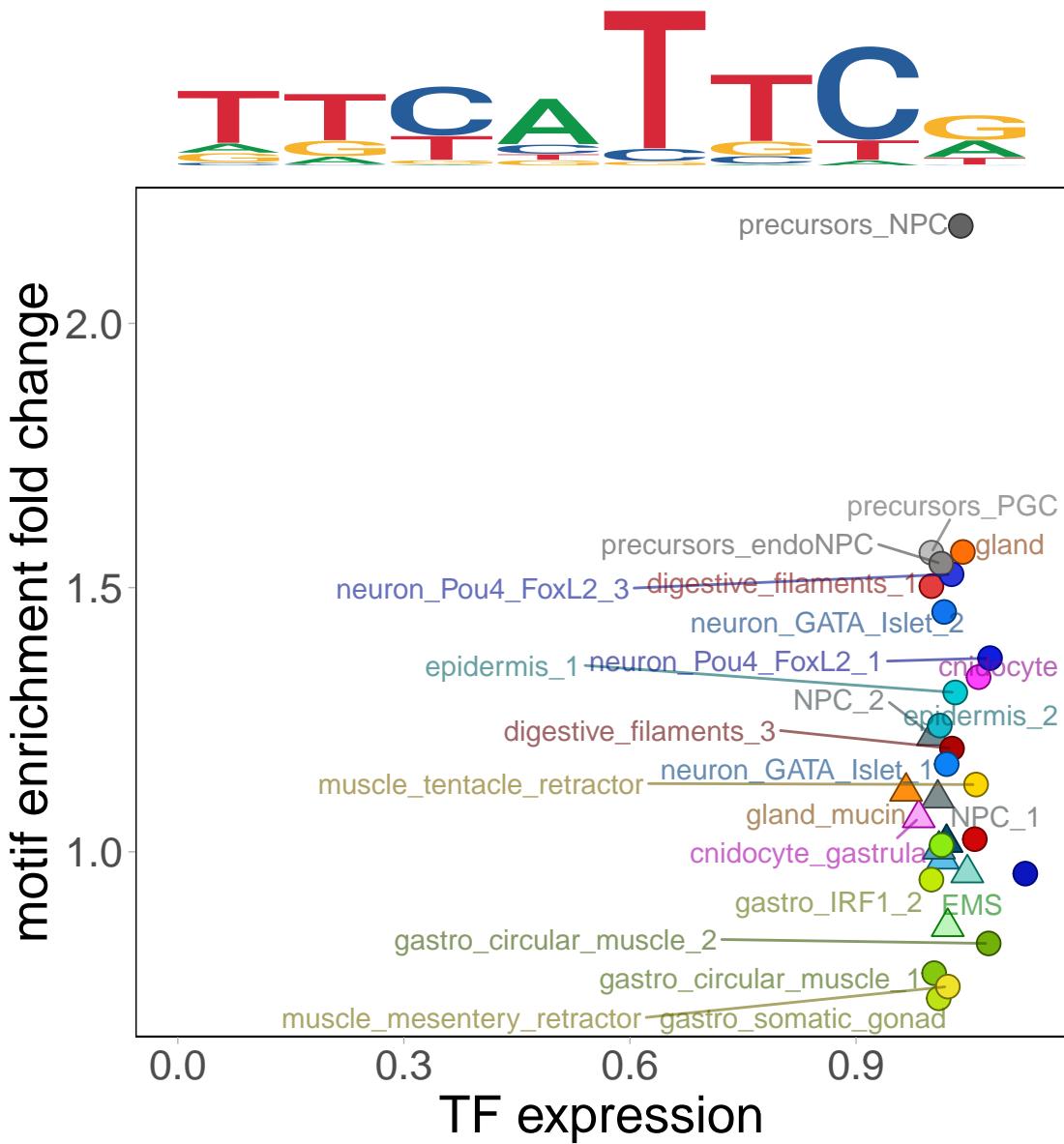
Nvec\_vc1.1\_XM\_032386968.2  
OG: zf-C2H2.HG1.116:like:AC008758.1  
PFAM: zf-C2H2/zf-C2H2\_4  
motif: ARCH1253\_Yy1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 2  
gene expression correlation: -0.2106  
gene score correlation: 0.0834



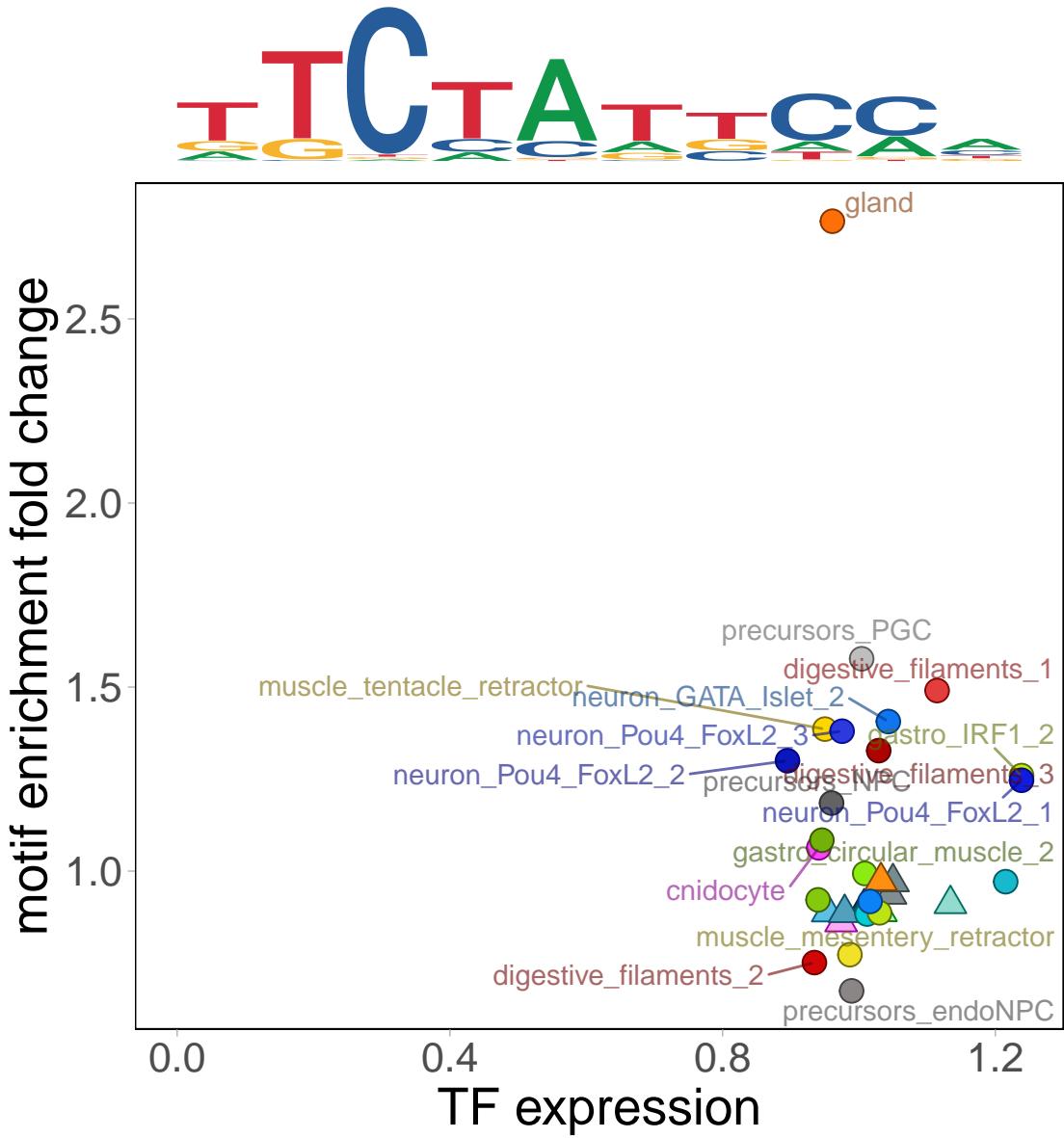
Nvec\_vc1.1\_XM\_032386992.2  
OG: Homeodomains.HG3.13:ONECUT1  
PFAM: CUT/Homeodomain  
motif: ARCH17\_Alx3/Alx4/Alx1\_Barx2...  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 40  
gene expression correlation: 0.2184  
gene score correlation: 0.3073



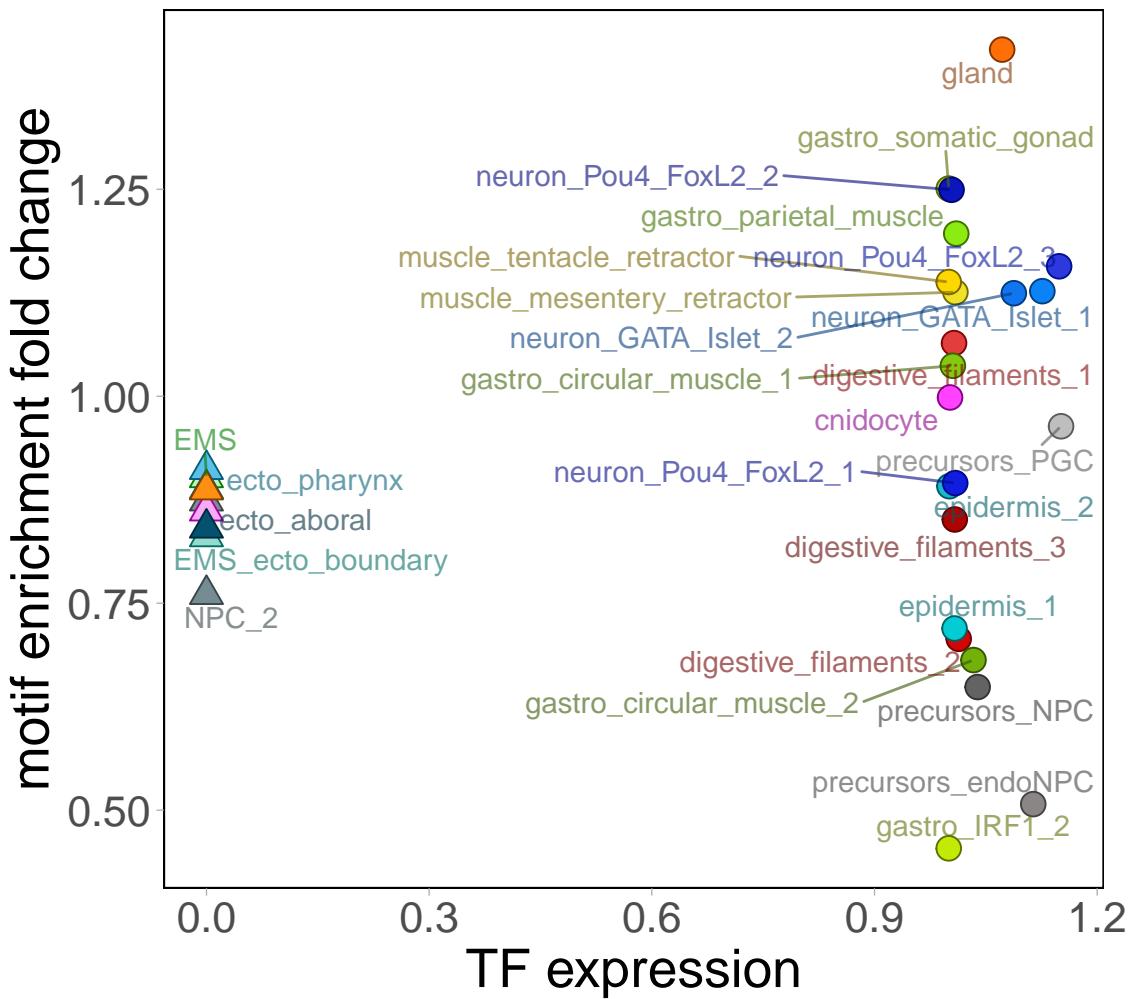
Nvec\_vc1.1\_XM\_032387080.2  
OG: zf-C2H2.HG1.192:like:AC008758.1  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH1204\_ARR1\_ZNF24  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 22  
gene expression correlation: 0.0033  
gene score correlation: 0.4320



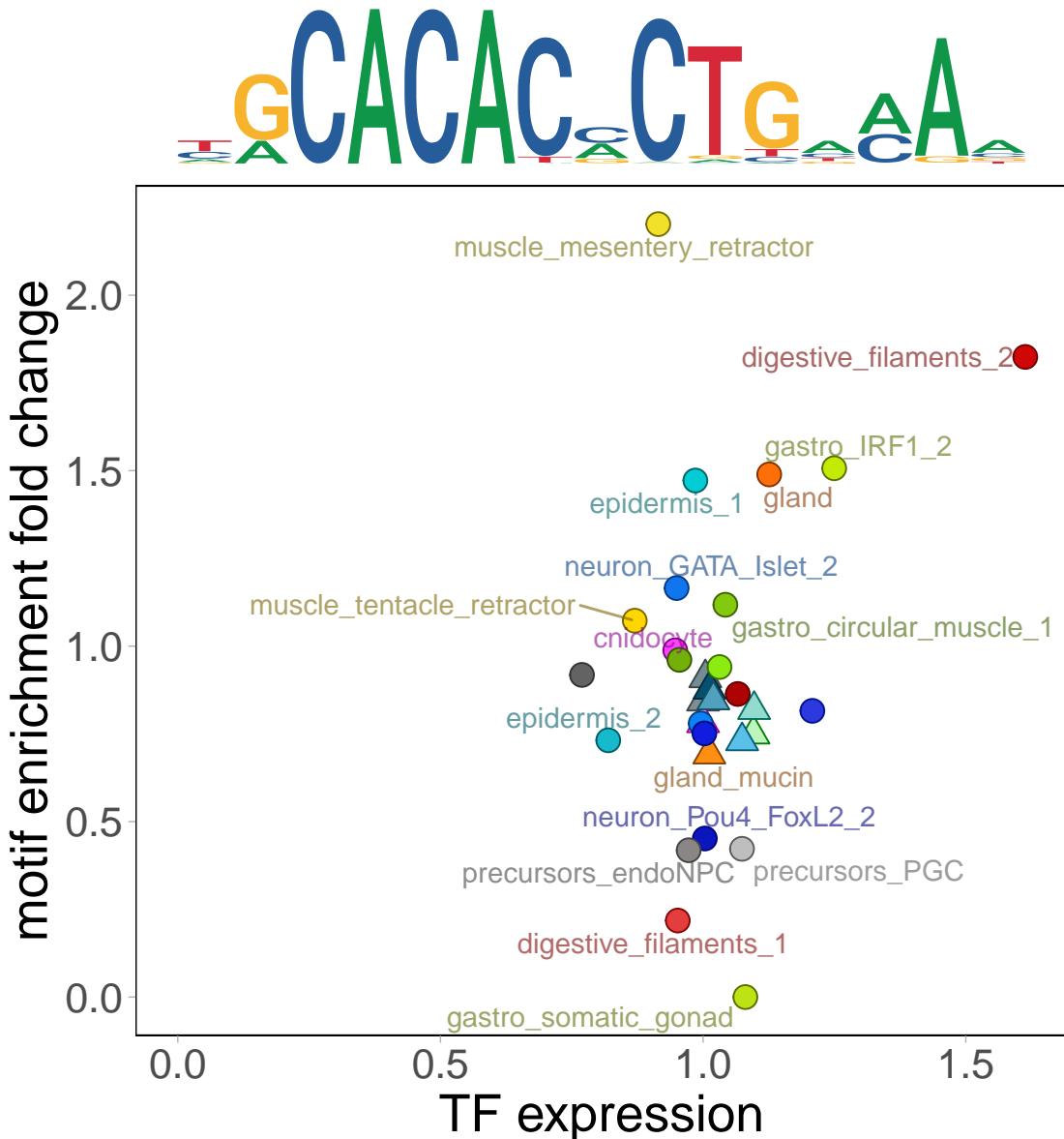
Nvec\_vc1.1\_XM\_032387218.2  
OG: zf-C2H2.HG57.1:like:ZBTB48  
PFAM: zf-C2H2\_6/zf-C2H2\_6/zf-met/z  
motif: ARCH627\_ZNF189  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 56  
gene expression correlation: -0.0051  
gene score correlation: 0.3033



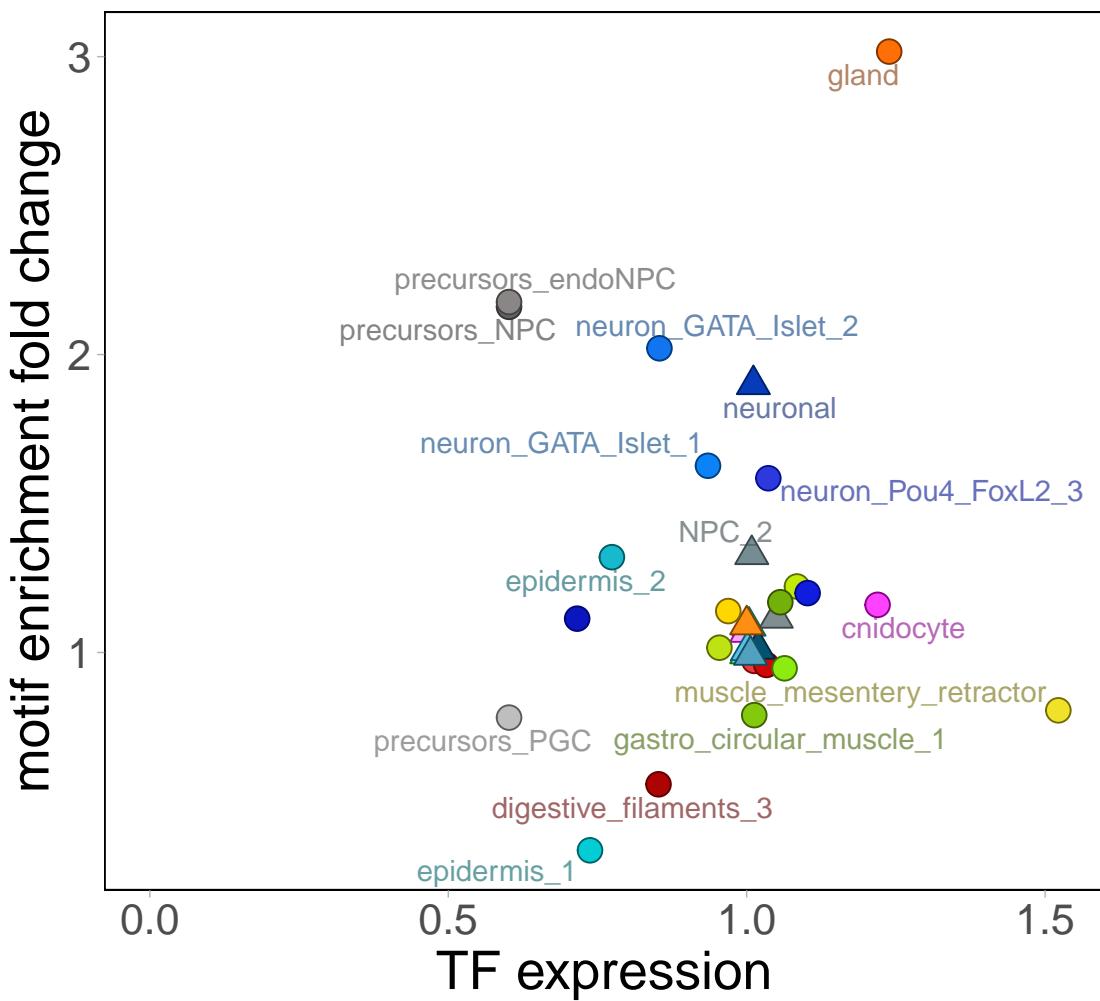
Nvec\_vc1.1\_XM\_032387281.2  
OG: zf-C2H2.HG15.1:OVOL1/OVOL2/C  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH1201\_Gfi1b/Gfi1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 460  
gene expression correlation: 0.2191  
gene score correlation: -0.3488



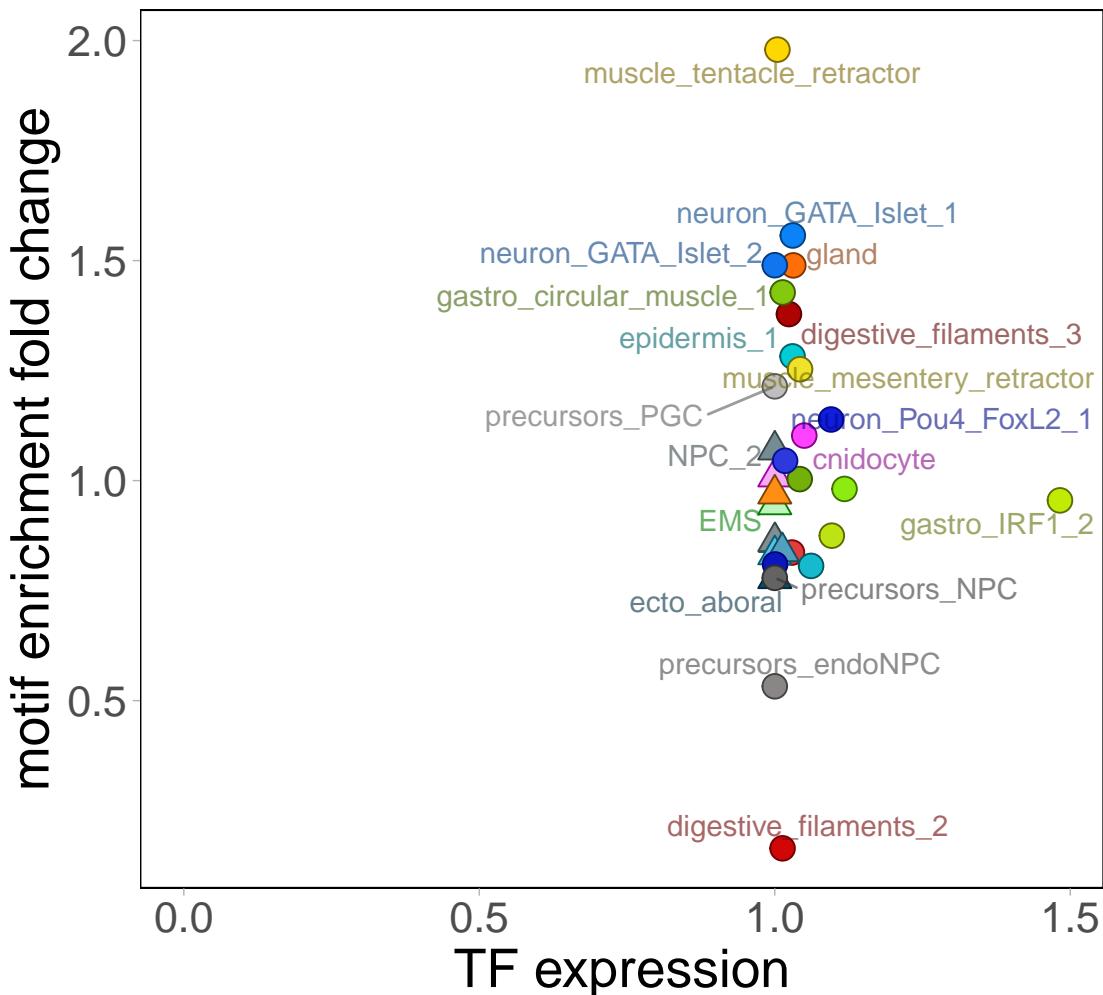
Nvec\_vc1.1\_XM\_032387283.2  
OG: zf-C2H2.HG15.1:OVOL1/OVOL2/C  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: ARCH1368\_M04483\_2.00\_\_M04  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 67  
gene expression correlation: 0.2750  
gene score correlation: -0.0235



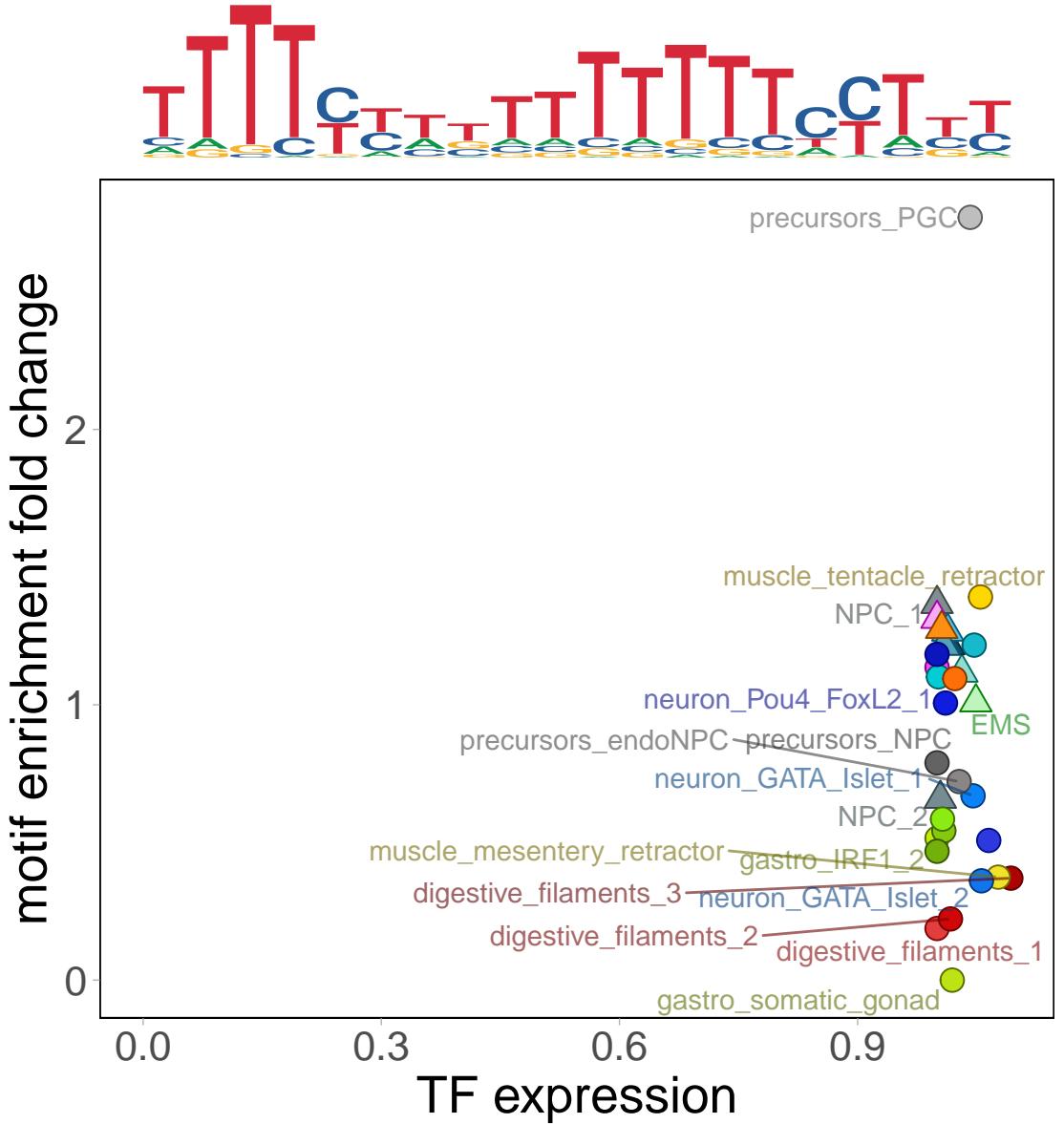
Nvec\_vc1.1\_XM\_032387318.2  
OG: HLH.HG1.15:like:TFAP4  
PFAM: HLH  
motif: Nvec\_vc1.1\_XM\_032387318.2\_H  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.0598  
gene score correlation: 0.2084



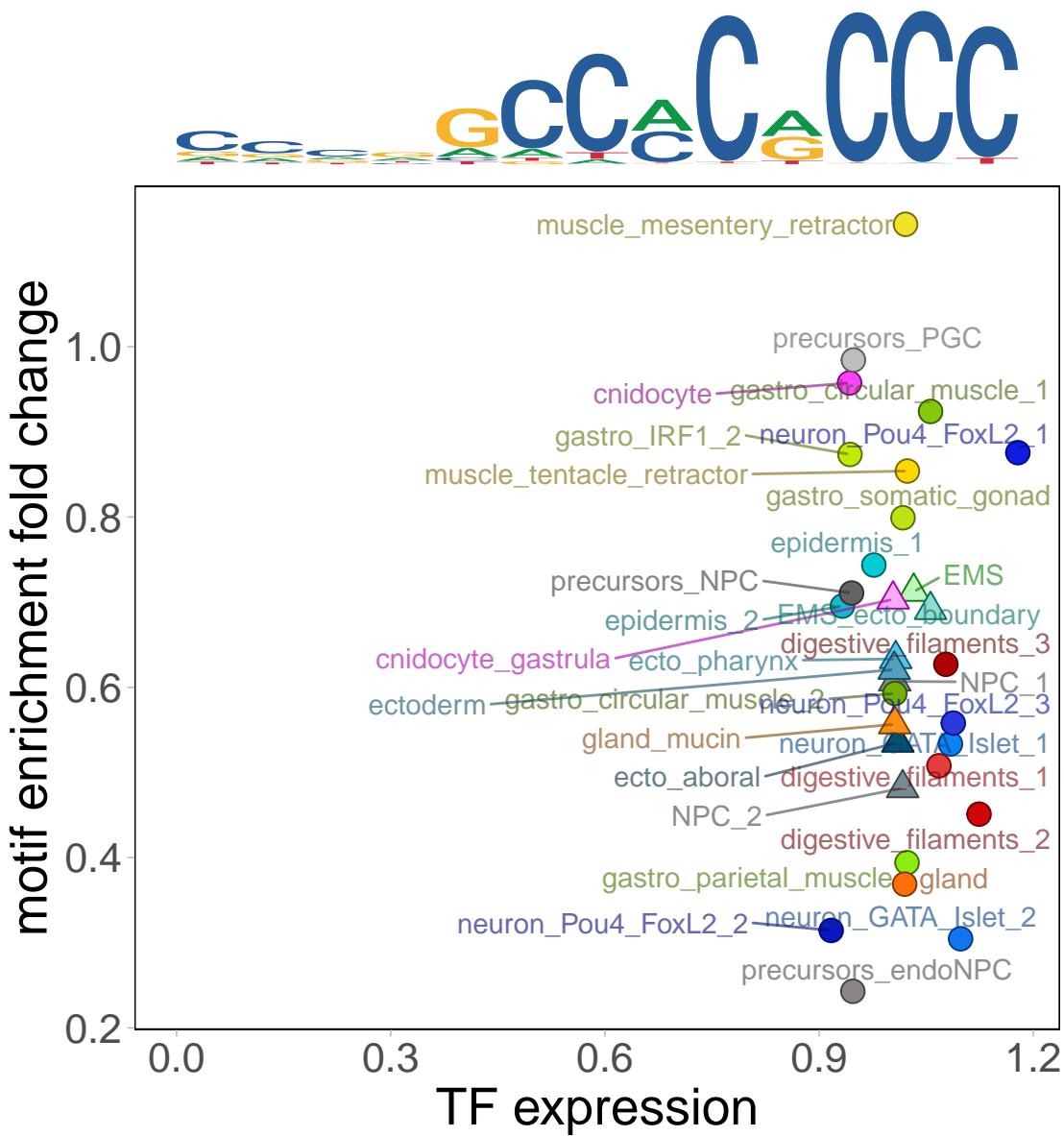
Nvec\_vc1.1\_XM\_048719424.1  
OG: zf-C2H2.HG1.36:like:AC008758.1/  
PFAM: zf-C2H2/zf-C2H2  
motif: ARCH1245\_Egr3/Egr1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 2  
gene expression correlation: -0.0272  
gene score correlation: 0.0363



Nvec\_vc1.1\_XM\_048719441.1  
OG: zf-C2H2.HG24.0:ZNF599/ZSCAN2  
PFAM: zf-C2H2/zf-C2H2\_3rep/zf-C2H  
motif: ARCH1206\_M08277\_2.00\_\_M08  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 6  
gene expression correlation: -0.0910  
gene score correlation: -0.0432



Nvec\_vc1.1\_XM\_048719714.1  
OG: zf-C2H2.HG116.1:NA  
PFAM: zf-C2H2/zf-C2H2  
motif: ARCH348\_Klf11\_Klf5\_Klf7\_Klf8  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 200  
gene expression correlation: -0.0795  
gene score correlation: 0.1281



Nvec\_vc1.1\_XM\_048720215.1

OG: zf-C2H2.HG116.0:NA

PFAM: zf-C2H2/zf-C2H2

motif: ARCH1201\_Gfi1b/Gfi1

TF family: zf-C2H2

archetype family: zf-C2H2

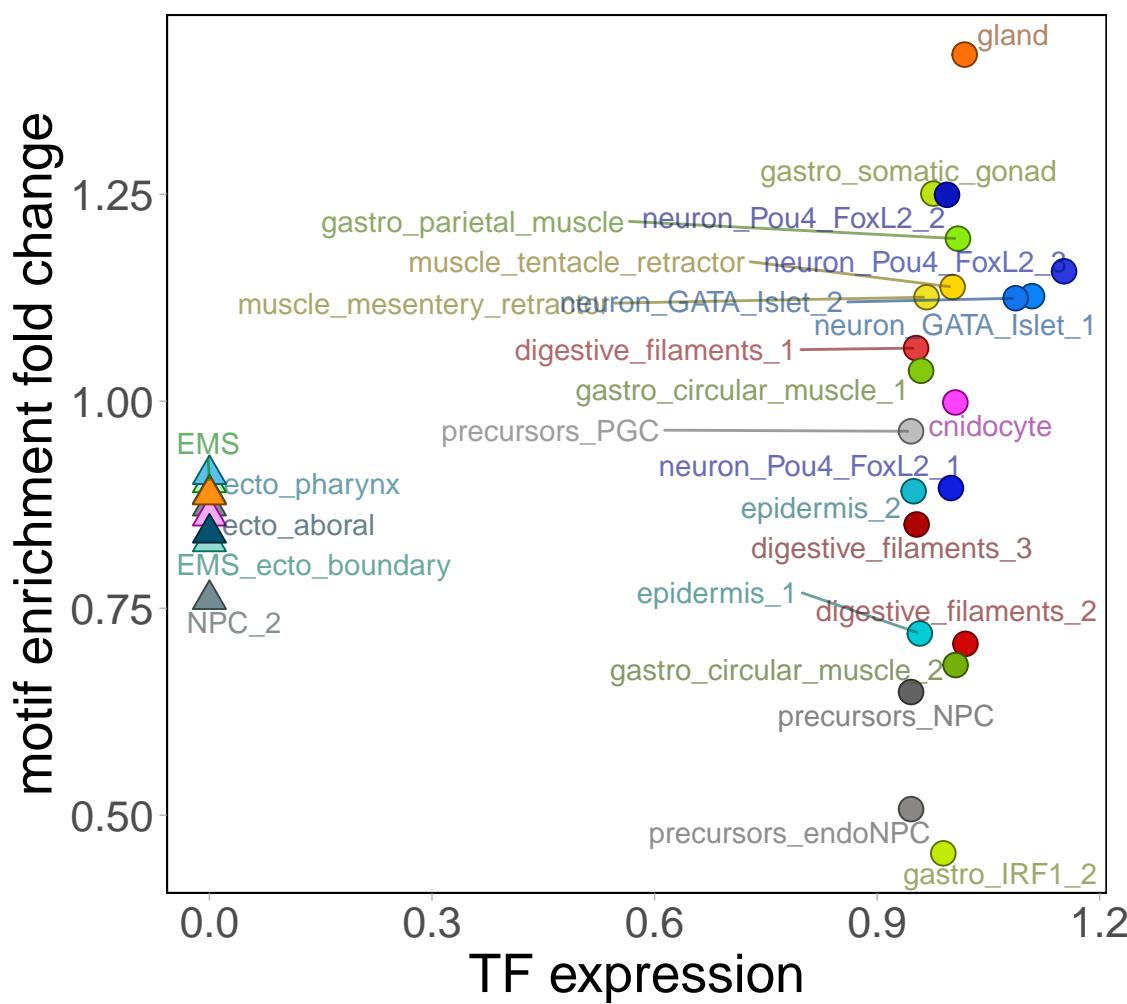
CisBP assigned: FALSE

rank: 684

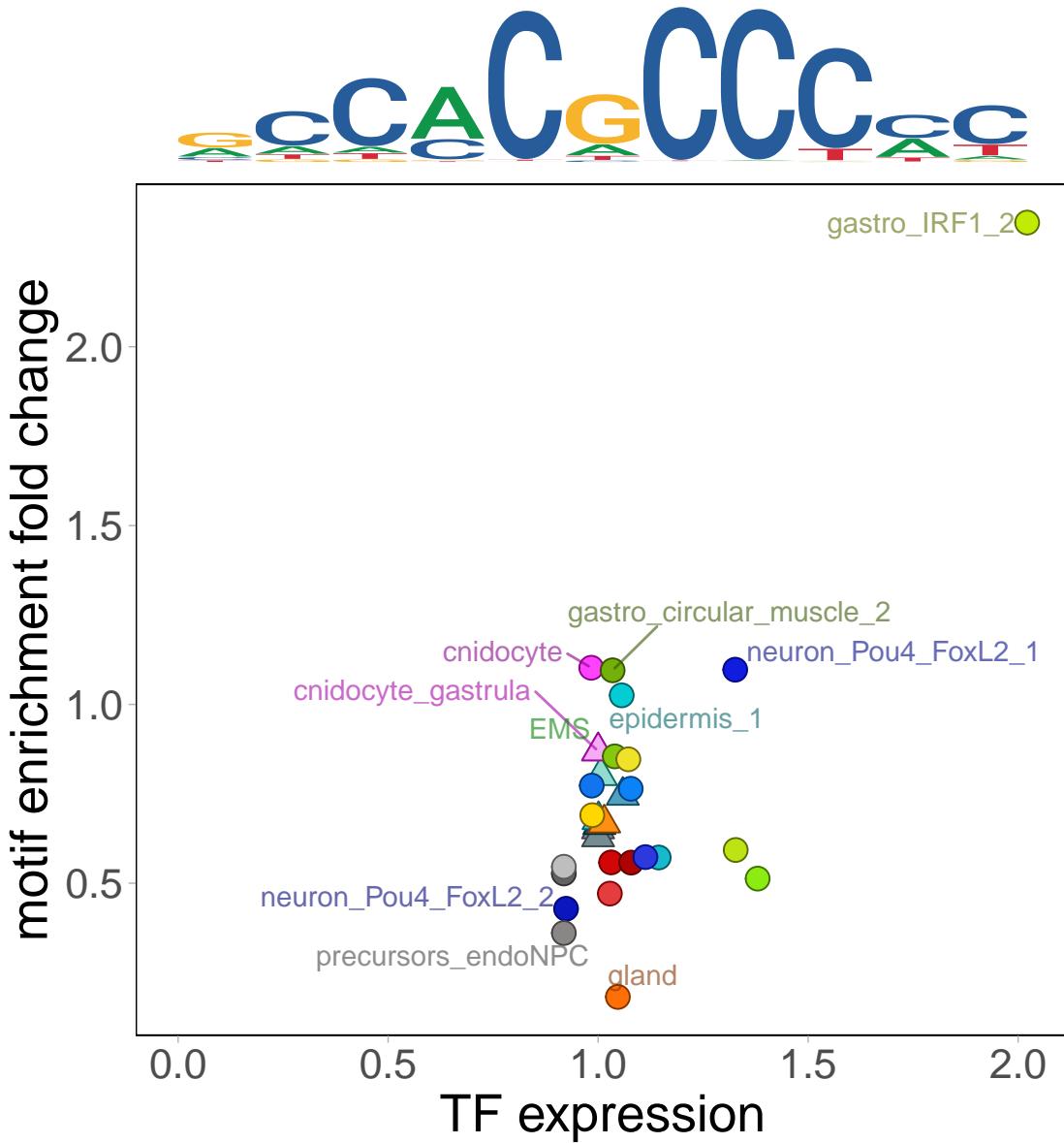
gene expression correlation: 0.2481

gene score correlation: 0.2696

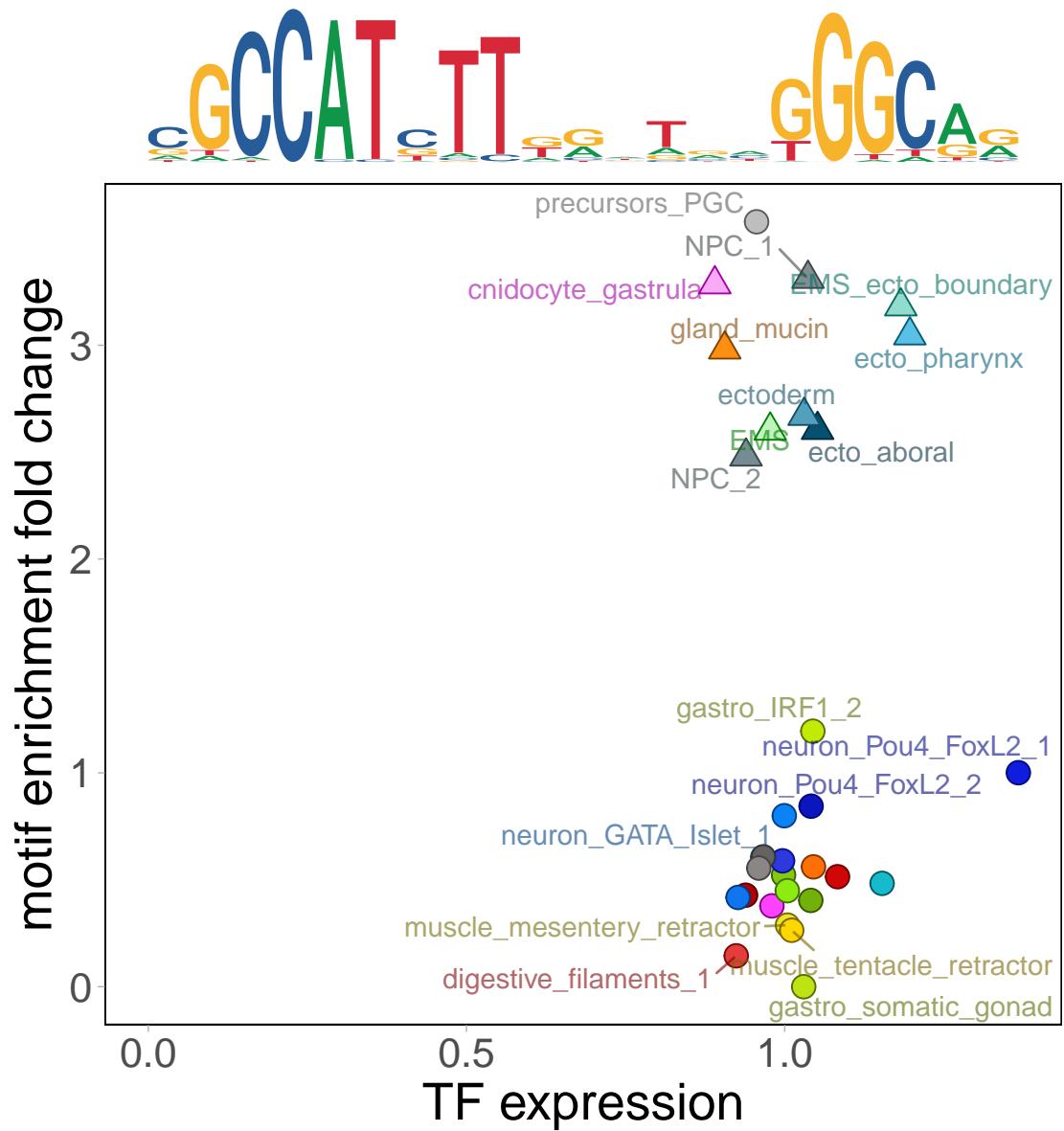
A A A T C T G



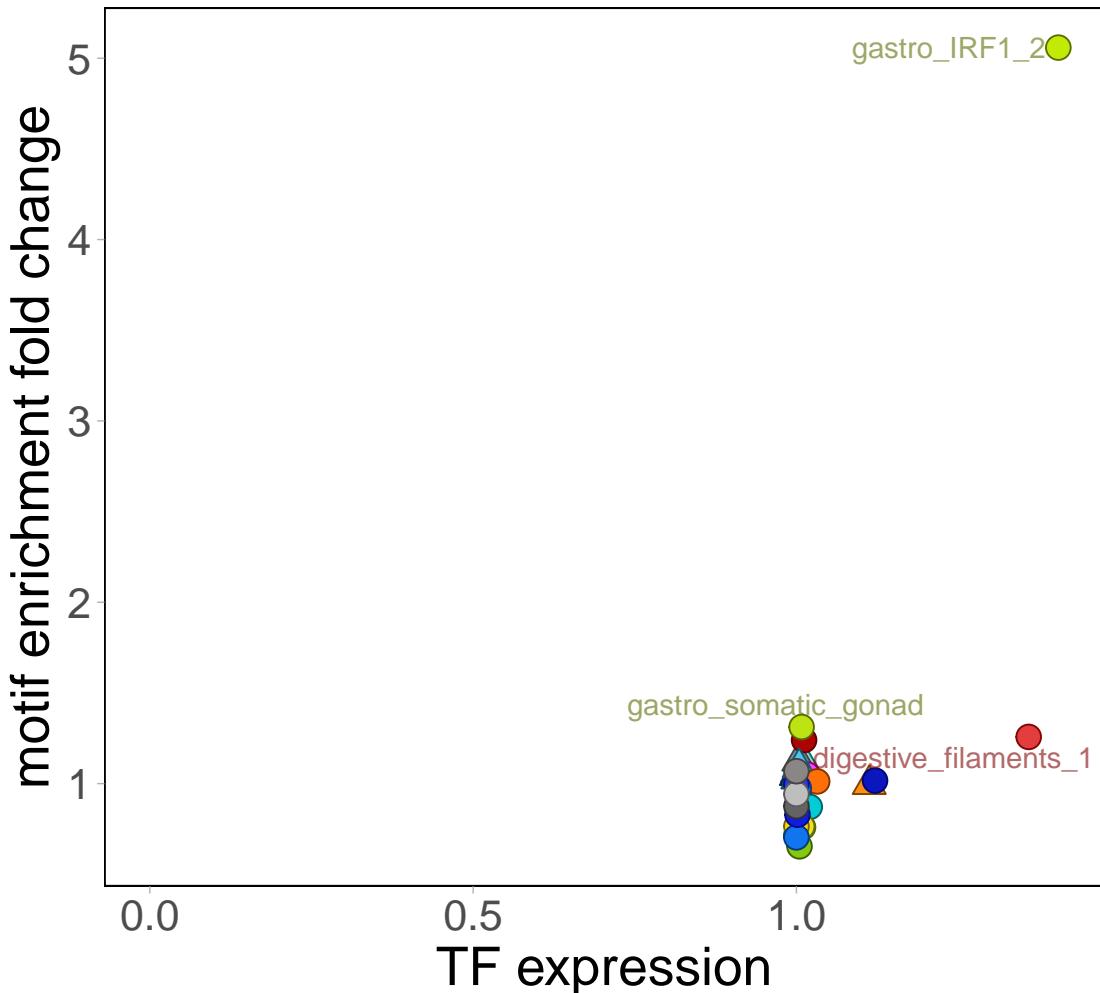
Nvec\_vc1.1\_XM\_048720219.1  
OG: zf-C2H2.HG1.36:like:AC008758.1/  
PFAM: zf-C2H2/zf-C2H2  
motif: ARCH341\_Klf11\_Klf15\_Sp6/Sp5.  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 111  
gene expression correlation: 0.7176  
gene score correlation: 0.3121



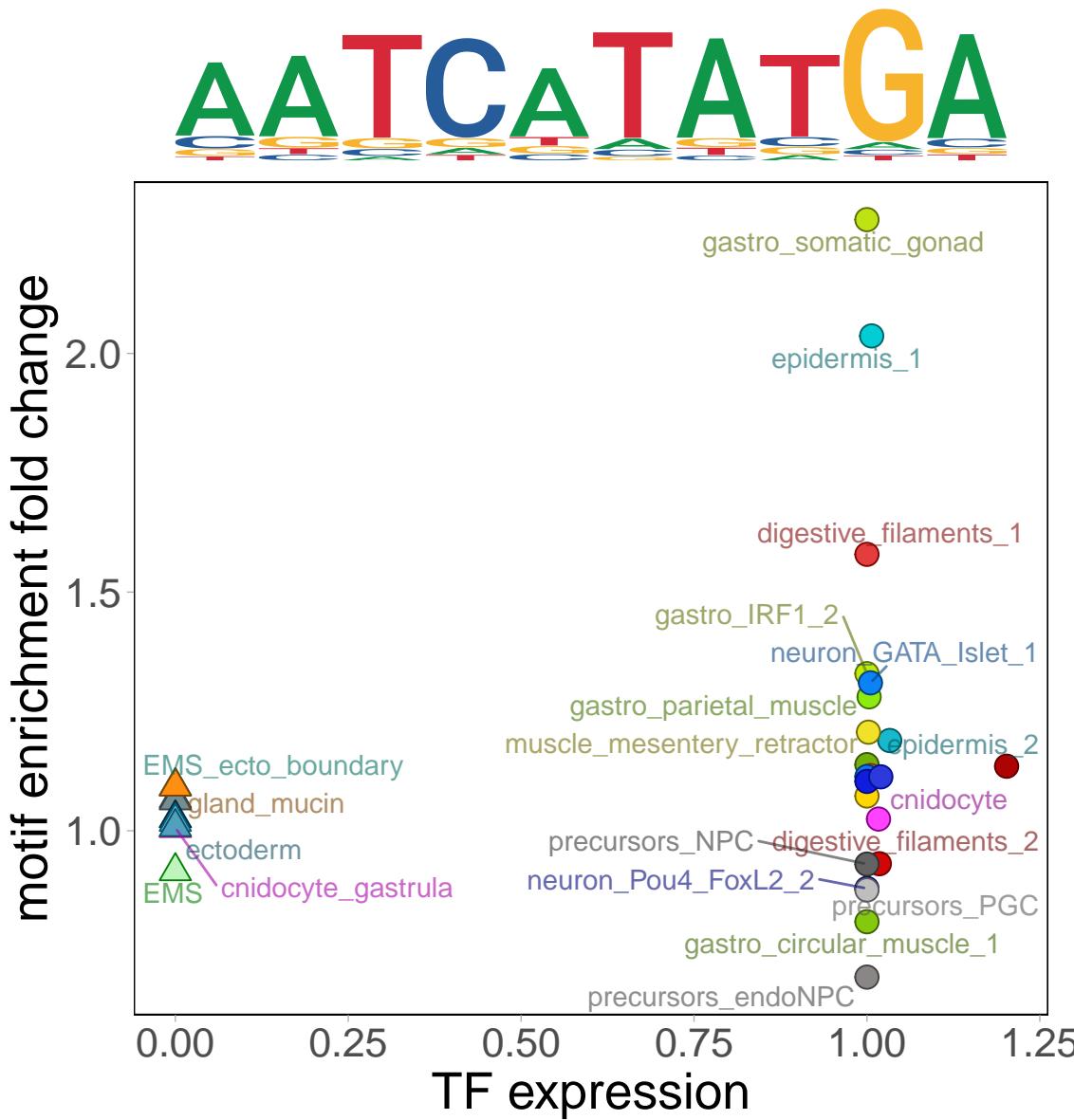
Nvec\_vc1.1\_XM\_048720635.1  
OG: THAP\_finger.HG1.0:AC073612.1/T  
PFAM: THAP  
motif: ARCH1254\_M08020\_2.00  
TF family: THAP\_finger  
archetype family: THAP\_finger  
CisBP assigned: FALSE  
rank: 297  
gene expression correlation: 0.0388  
gene score correlation: -0.1007



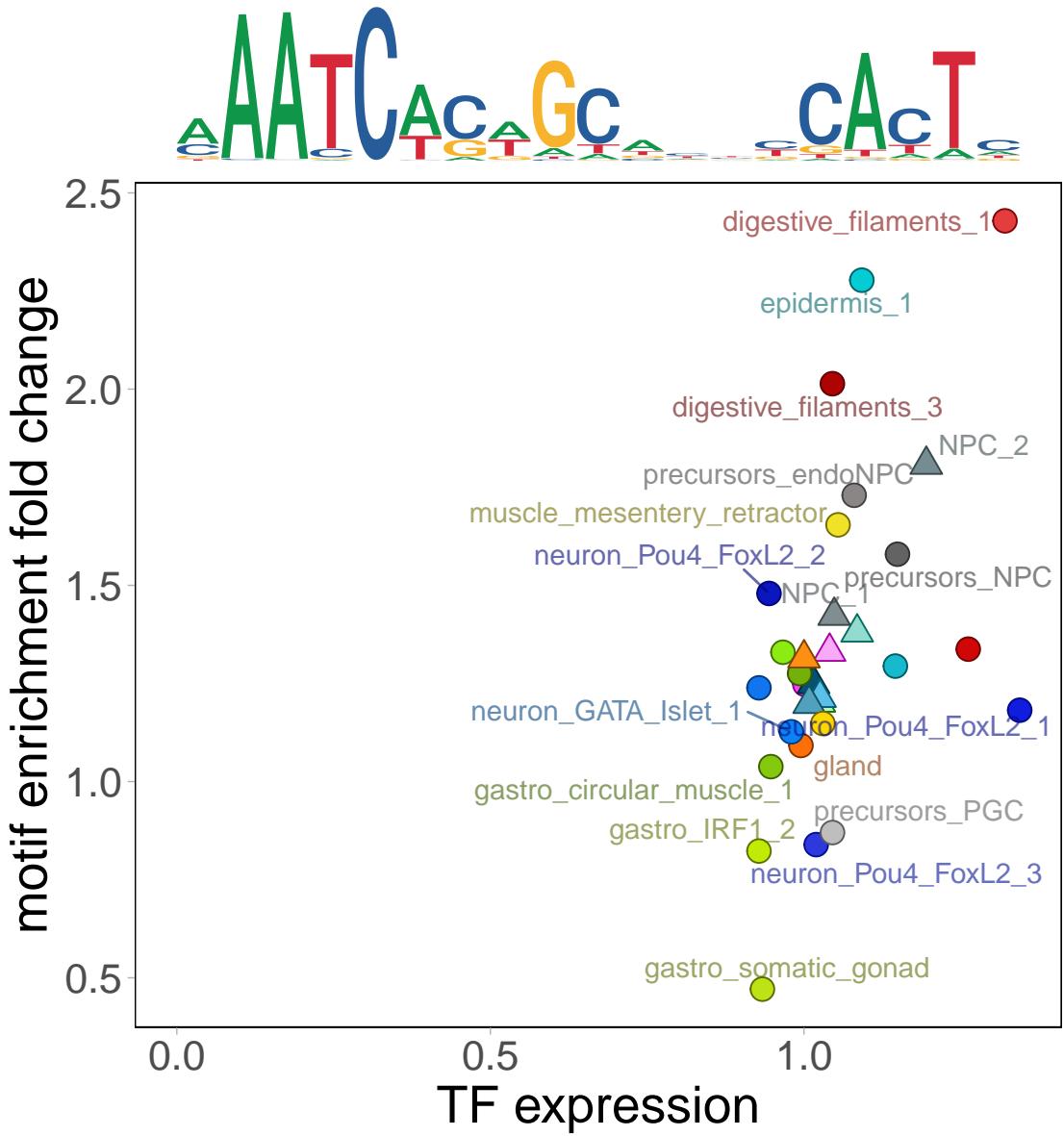
Nvec\_vc1.1\_XM\_048720727.1  
OG: IRF.HG1.1:IRF1/IRF2/IRF3/IRF4/IRF5  
PFAM: IRF/IRF-3  
motif: ARCH590\_T1ISRE\_\_IRF2  
TF family: IRF  
archetype family: IRF  
CisBP assigned: FALSE  
rank: 18  
gene expression correlation: 0.7423  
gene score correlation: 0.6322



Nvec\_vc1.1\_XM\_048721315.1  
OG: HLH.HG1.31:like:ASCL1/ASCL2/AS  
PFAM: HLH  
motif: ARCH144\_BHLHE23  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 1021  
gene expression correlation: 0.2215  
gene score correlation: 0.0844



Nvec\_vc1.1\_XM\_048721411.1  
OG: zf-C2H2.HG66.0:ZNF8  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH1345\_Gfi1b/Gfi1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 59  
gene expression correlation: 0.5043  
gene score correlation: 0.2418



Nvec\_vc1.1\_XM\_048721414.1

OG: zf-C2H2.HG1.7:PRDM13

PFAM: zf-C2H2/zf-C2H2/zf-C2H2

motif: ARCH861\_Scrt2/Scrt1

TF family: zf-C2H2

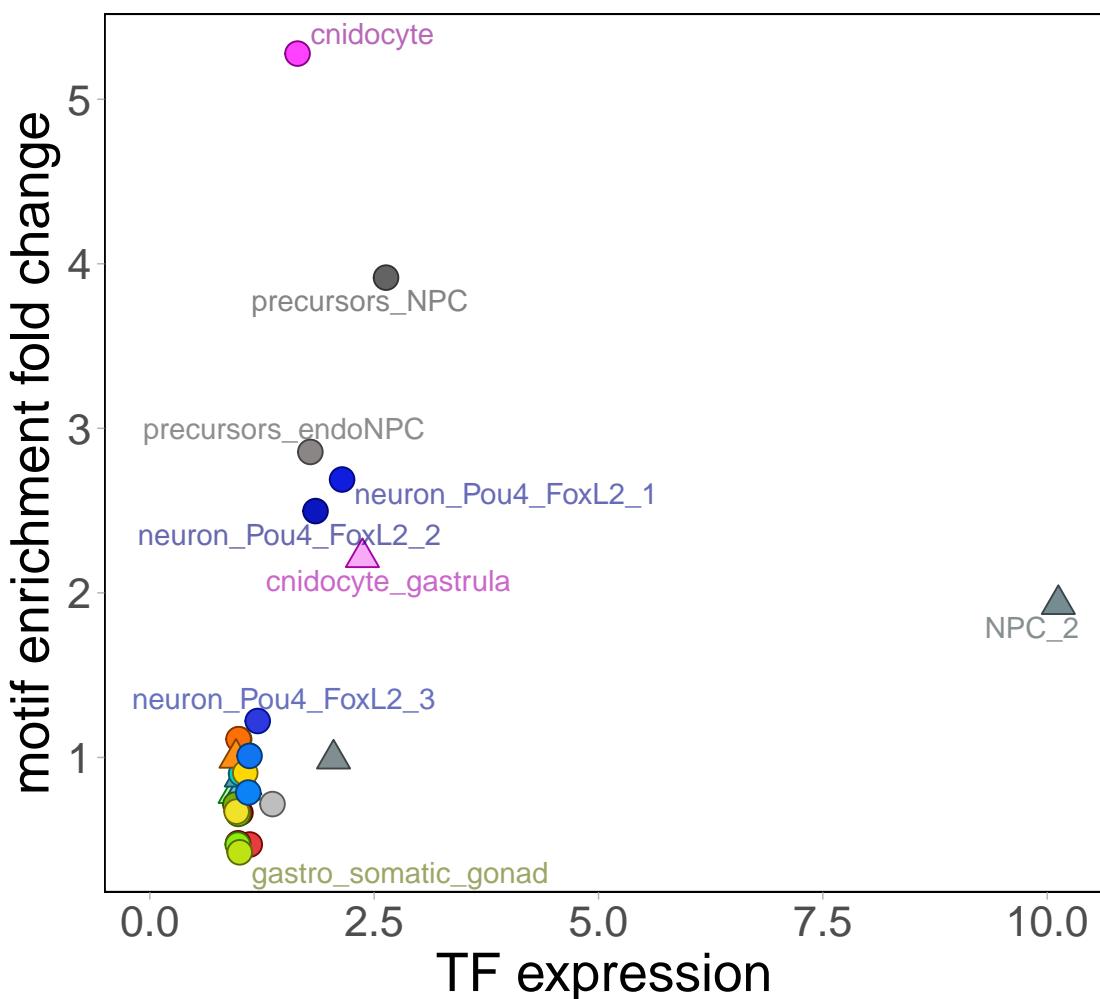
archetype family: zf-C2H2

CisBP assigned: FALSE

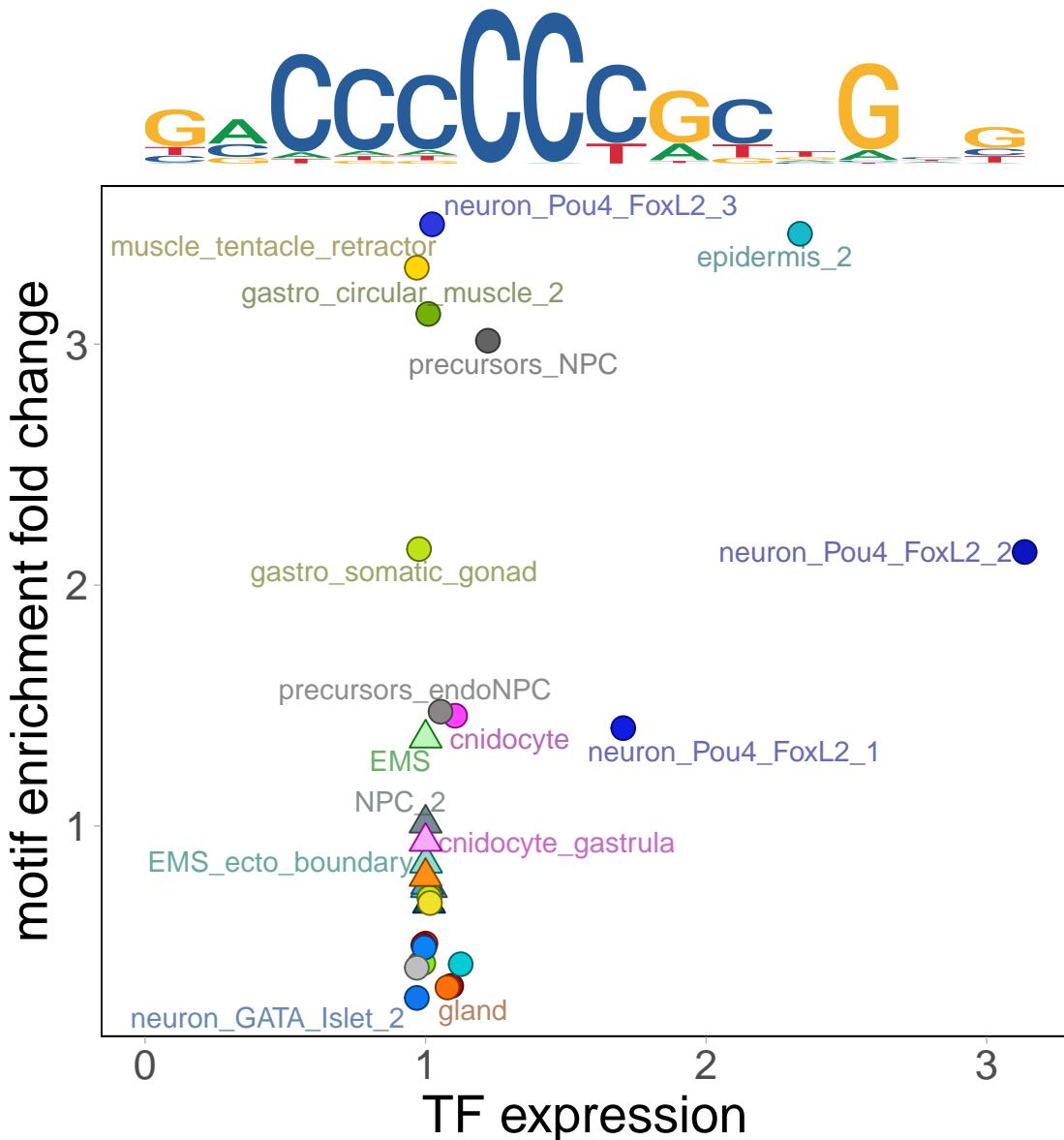
rank: 1

gene expression correlation: 0.3036

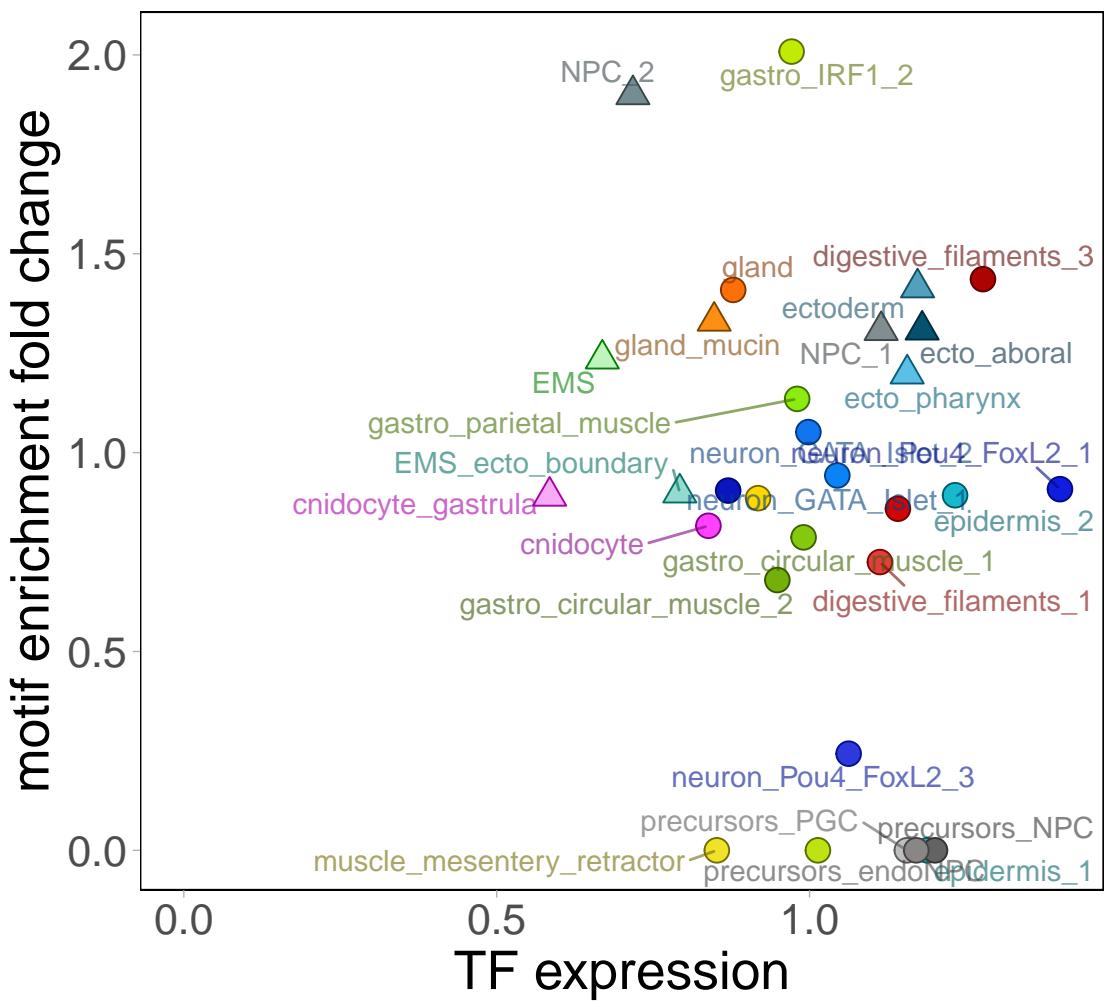
gene score correlation: 0.8596



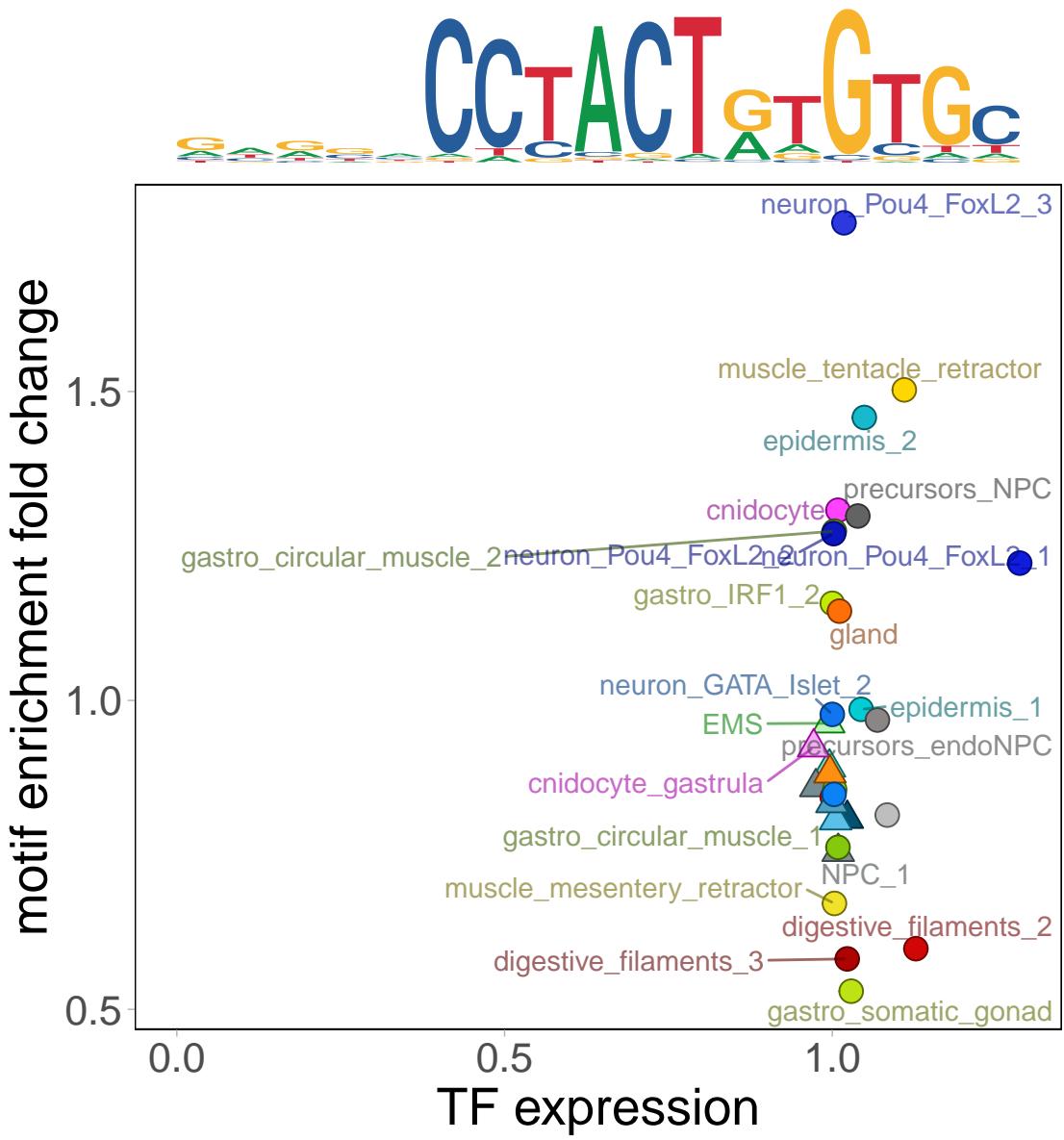
Nvec\_vc1.1\_XM\_048721581.1  
OG: zf-C2H2.HG1.29:like:AC008758.1/  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: ARCH353\_M06062\_2.00\_\_M064  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 2  
gene expression correlation: 0.3706  
gene score correlation: 0.5699



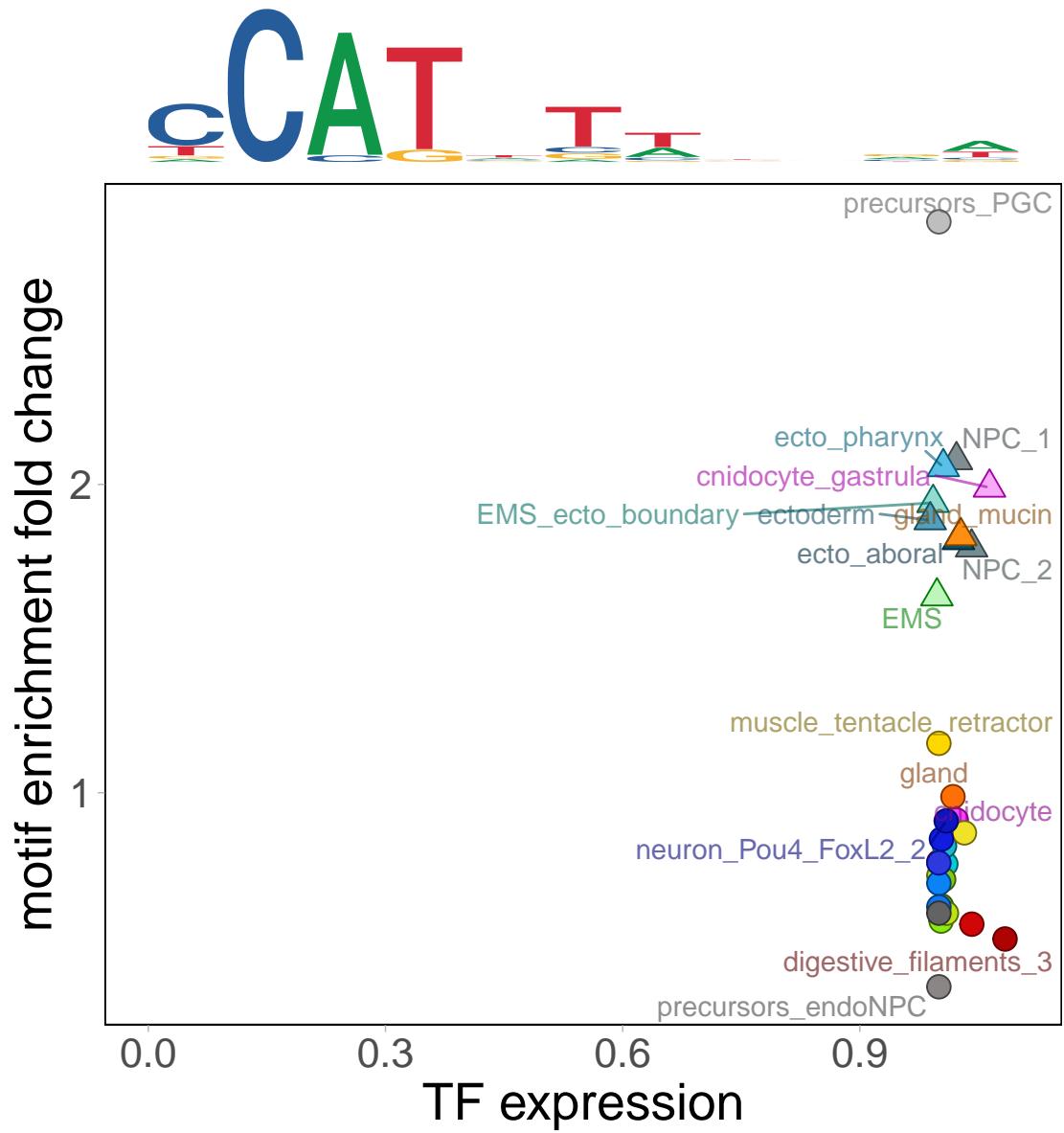
Nvec\_vc1.1\_XM\_048721609.1  
OG: Myb.HG3.0:like:HSPA14/MSANTD  
PFAM: Myb\_DNA-bind\_4  
motif: ARCH193\_MYB116  
TF family: Myb  
archetype family: Myb  
CisBP assigned: FALSE  
rank: 2  
gene expression correlation: -0.2220  
gene score correlation: -0.2186



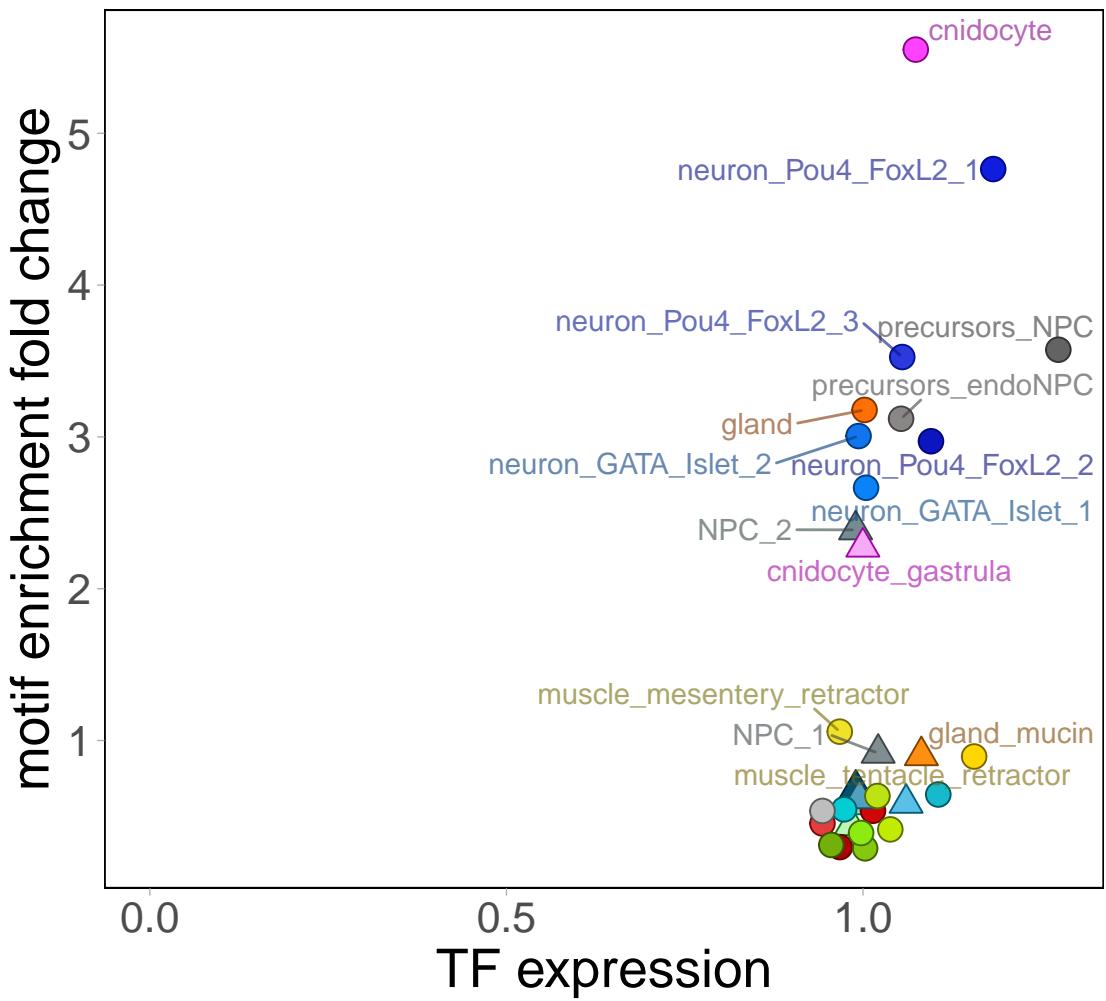
Nvec\_vc1.1\_XM\_048721905.1  
OG: zf-C2H2.HG10.1:ZFP3/ZNF319/Z  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: ARCH1369\_Zfp7/Gm21060  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: TRUE  
rank: 923  
gene expression correlation: 0.1682  
gene score correlation: -0.3526



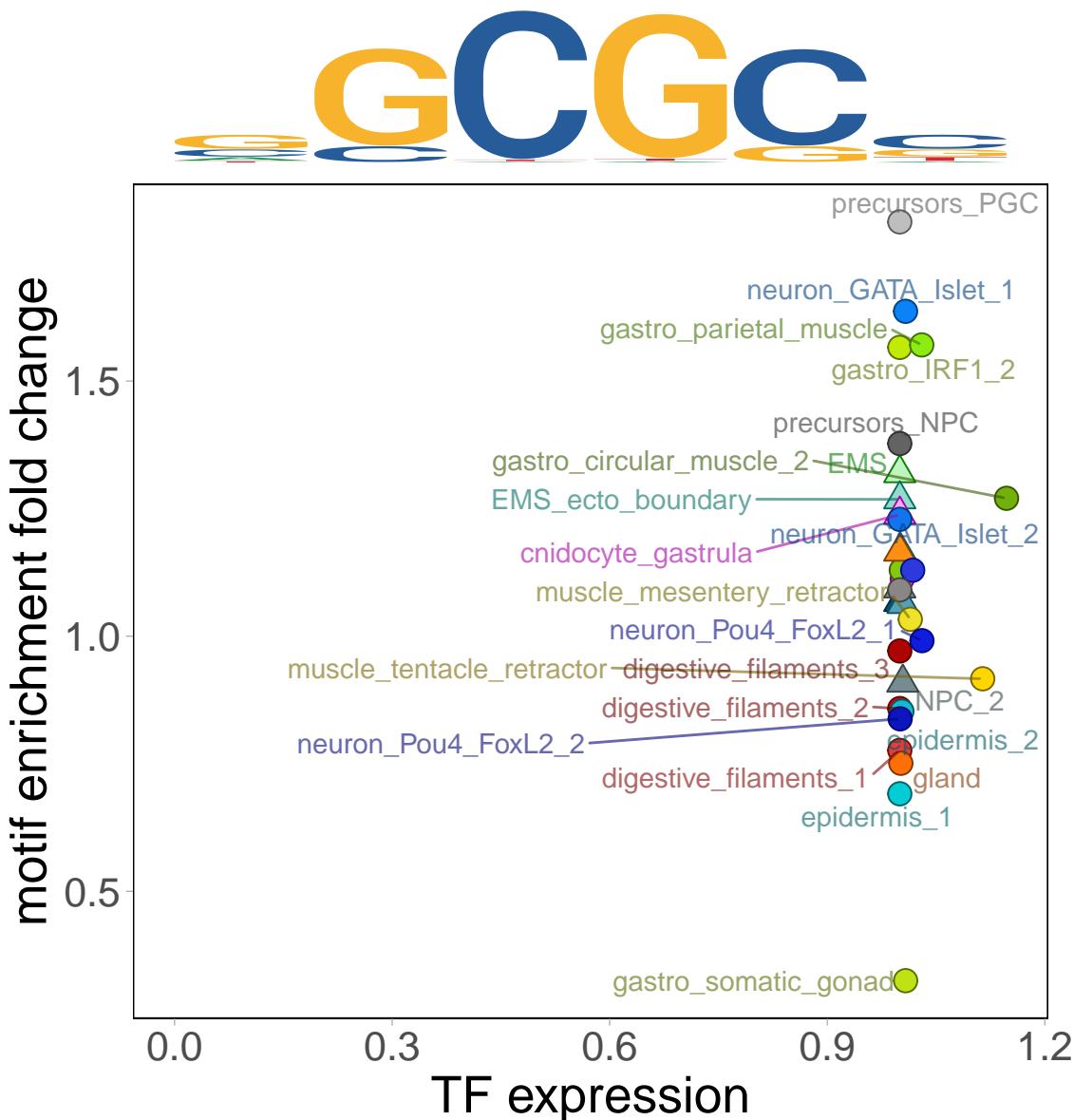
Nvec\_vc1.1\_XM\_048721909.1  
OG: zf-C2H2.HG10.1:ZFP3/ZNF319/Z  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: ARCH1311\_Yy1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 17  
gene expression correlation: 0.0414  
gene score correlation: -0.0102



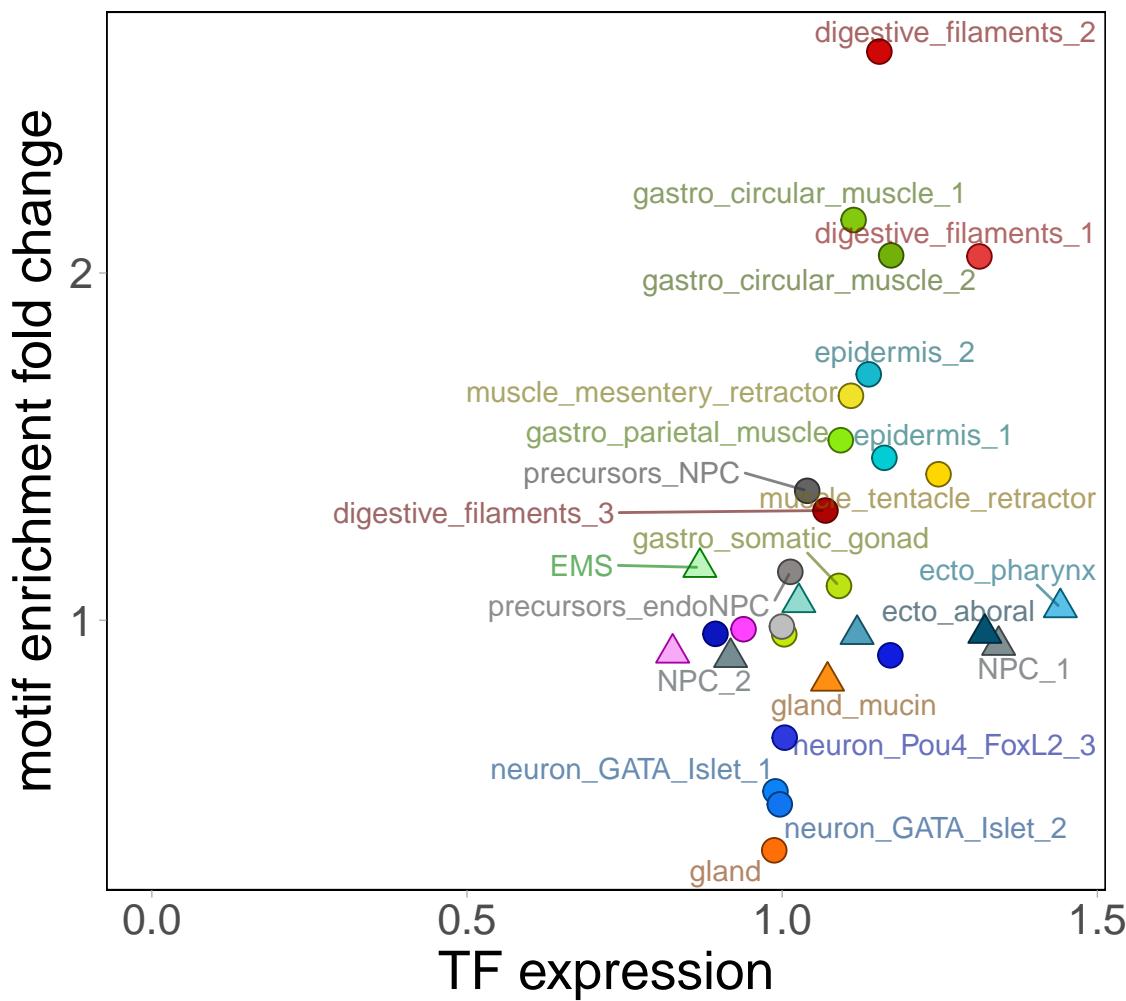
Nvec\_vc1.1\_XM\_048722339.1  
OG: HLH.HG1.0:AC019117.4/AHR/AHF  
PFAM: HLH/PAS  
motif: ARCH867\_ZEB1\_\_PL0011.1\_hlh  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 188  
gene expression correlation: 0.5025  
gene score correlation: 0.2768



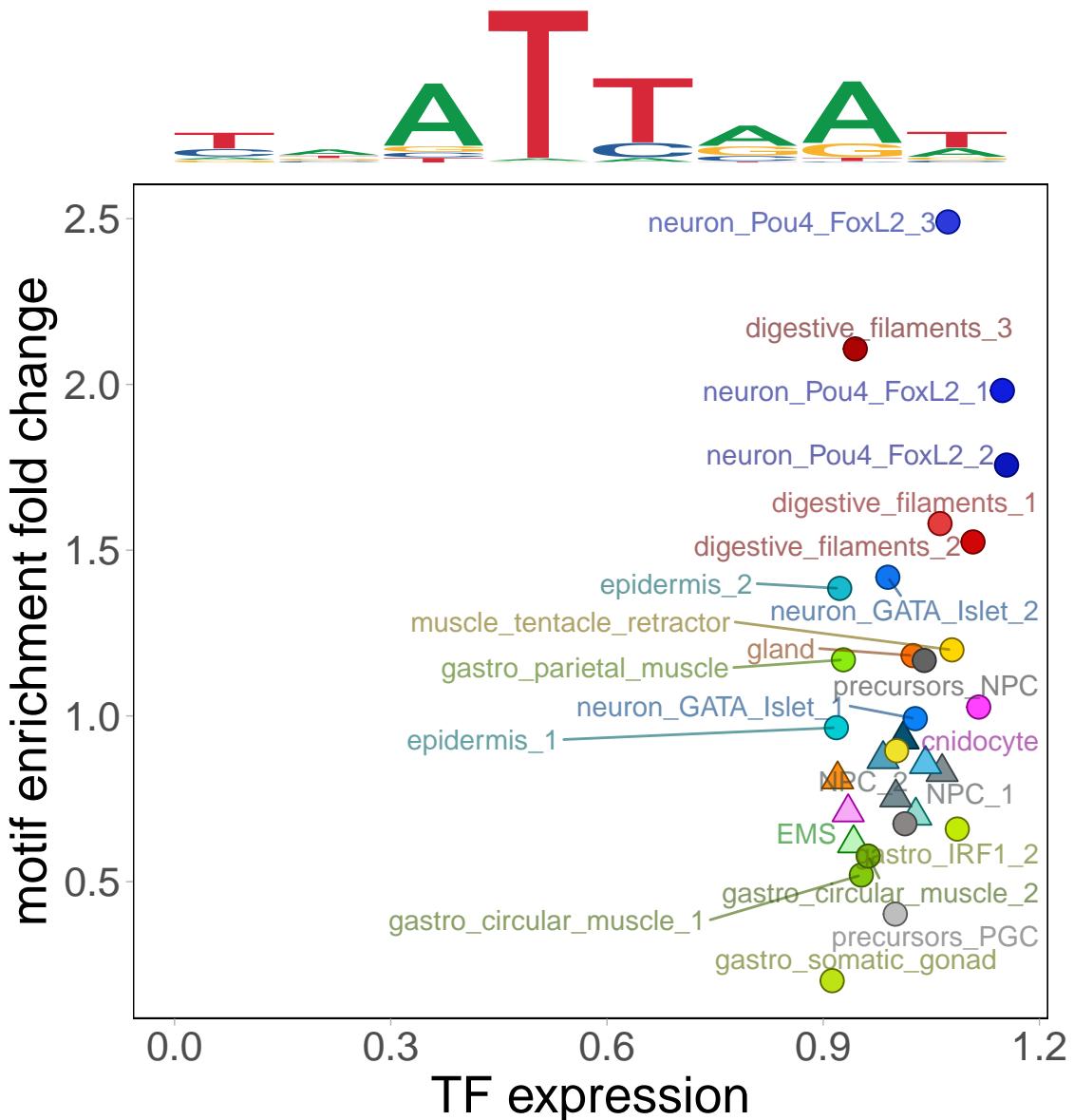
Nvec\_vc1.1\_XM\_048722428.1  
OG: E2F\_TDP.HG1.4:E2F1/E2F2/E2F3  
PFAM: E2F\_TDP/E2F\_CC-MB  
motif: ARCH394\_/E2f4\_E2f6\_E2f8/E2f7  
TF family: E2F\_TDP  
archetype family: E2F\_TDP  
CisBP assigned: FALSE  
rank: 288  
gene expression correlation: 0.0300  
gene score correlation: -0.0588



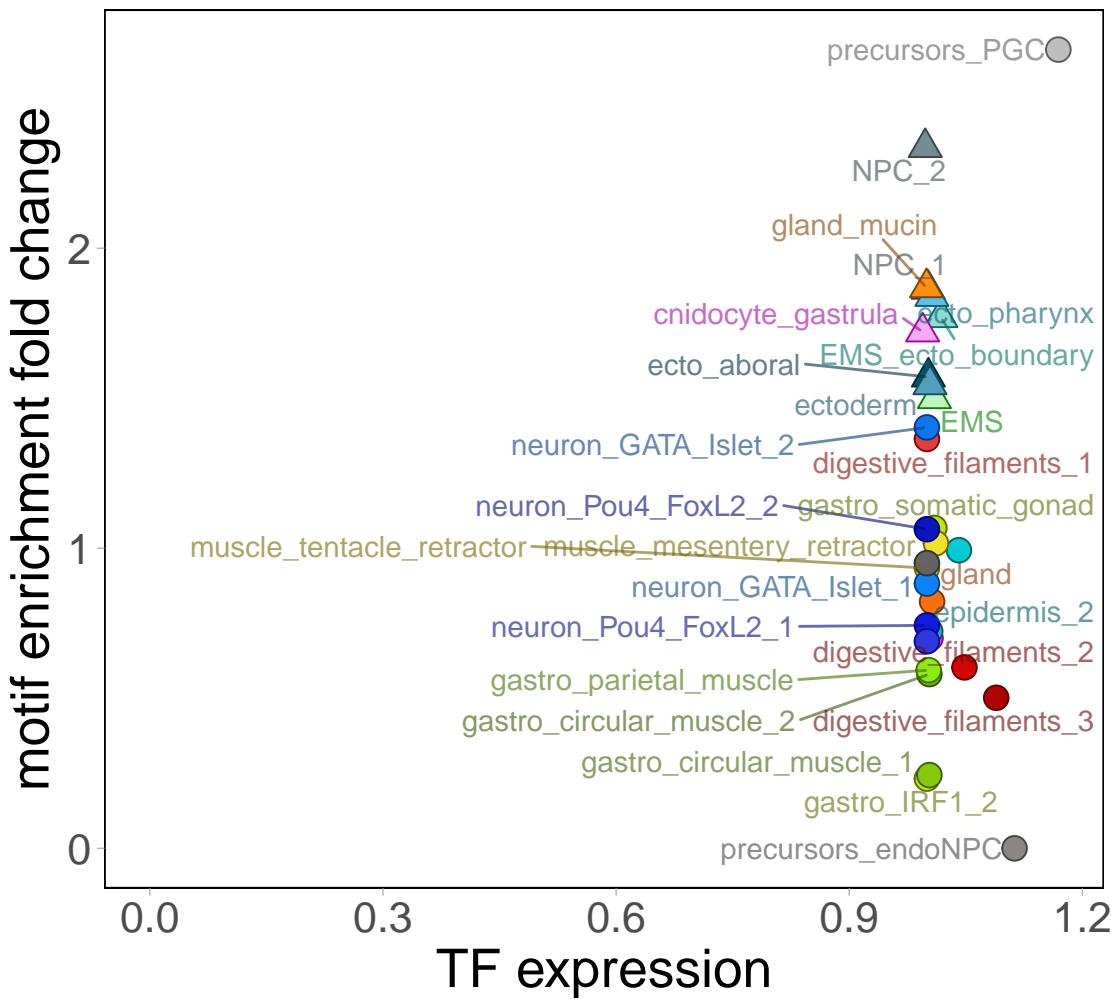
Nvec\_vc1.1\_XM\_048722500.1  
OG: TEA.HG1.0:TEAD1/TEAD2/TEAD3  
PFAM: TEA/YBD  
motif: ARCH699\_TEAD4  
TF family: TEA  
archetype family: TEA  
CisBP assigned: FALSE  
rank: 29  
gene expression correlation: 0.3555  
gene score correlation: 0.5223



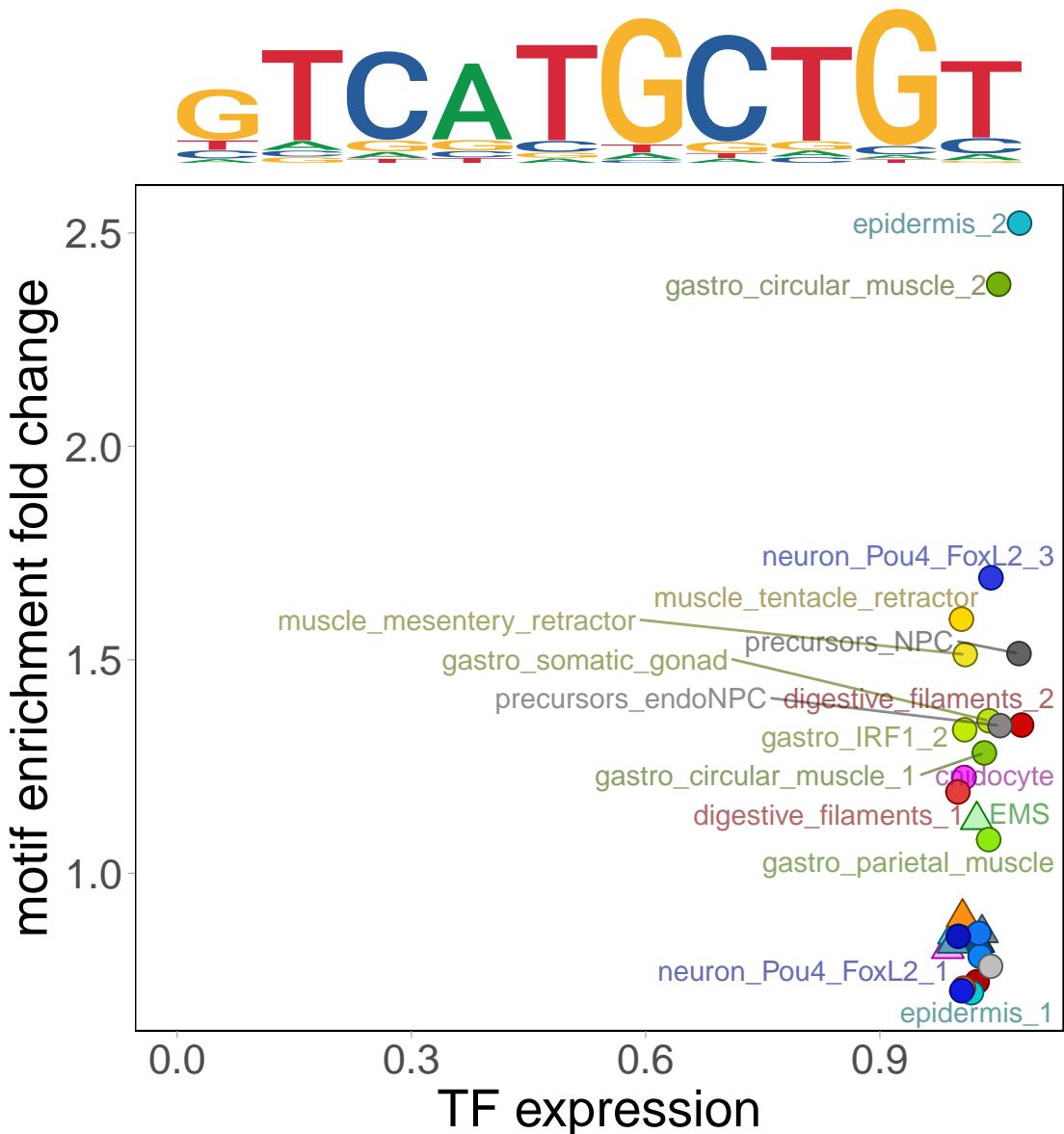
Nvec\_vc1.1\_XM\_048722594.1  
OG: ARID\_BRIGHT.HG1.3:ARID2  
PFAM: ARID/RFX\_DNA\_binding  
motif: ARCH237\_Arid2\_Arid3c/Arid3a...  
TF family: ARID\_BRIGHT  
archetype family: ARID\_BRIGHT  
CisBP assigned: TRUE  
rank: 230  
gene expression correlation: 0.4354  
gene score correlation: 0.2203



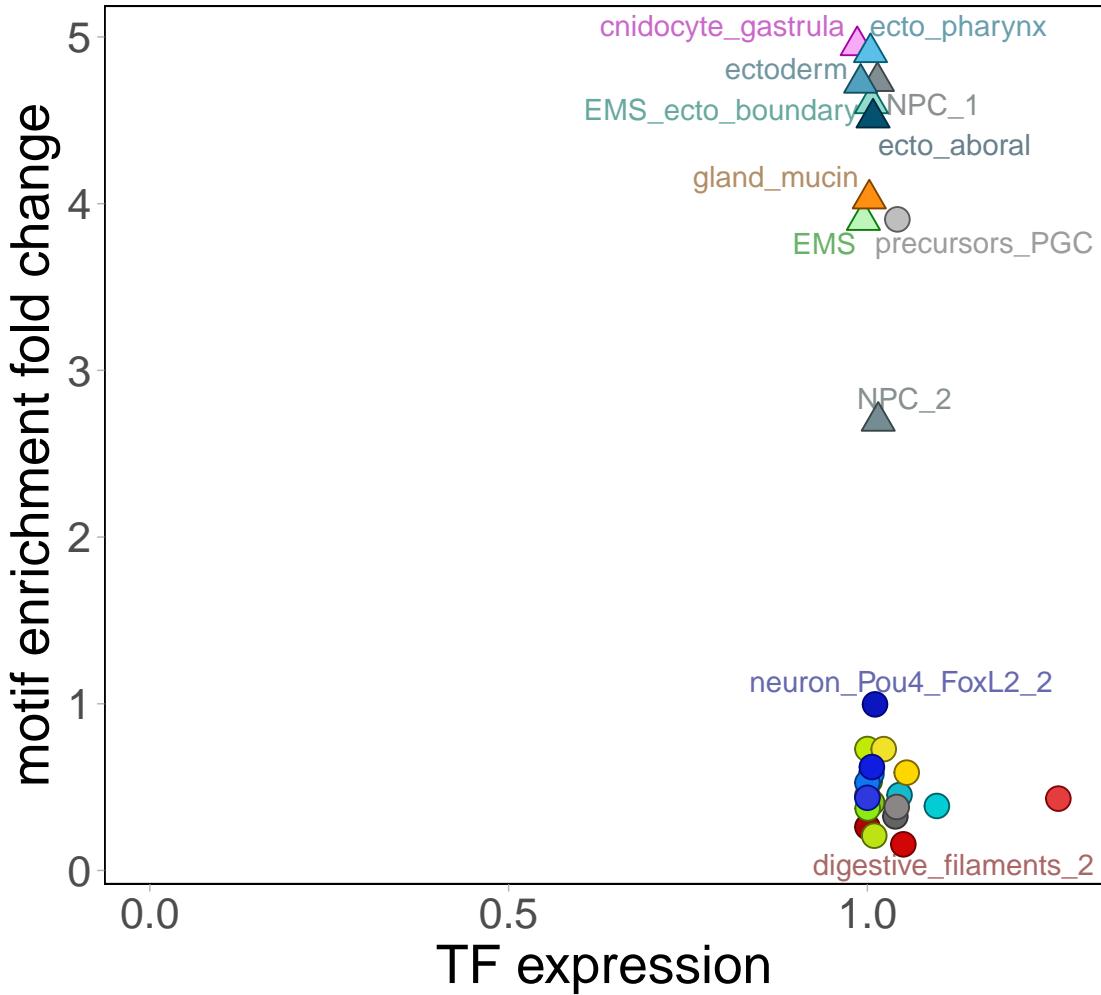
Nvec\_vc1.1\_XM\_048722680.1  
OG: zf-C2H2.HG10.1:ZFP3/ZNF319/Z  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: ARCH1255\_Yy1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 152  
gene expression correlation: 0.0719  
gene score correlation: -0.0254



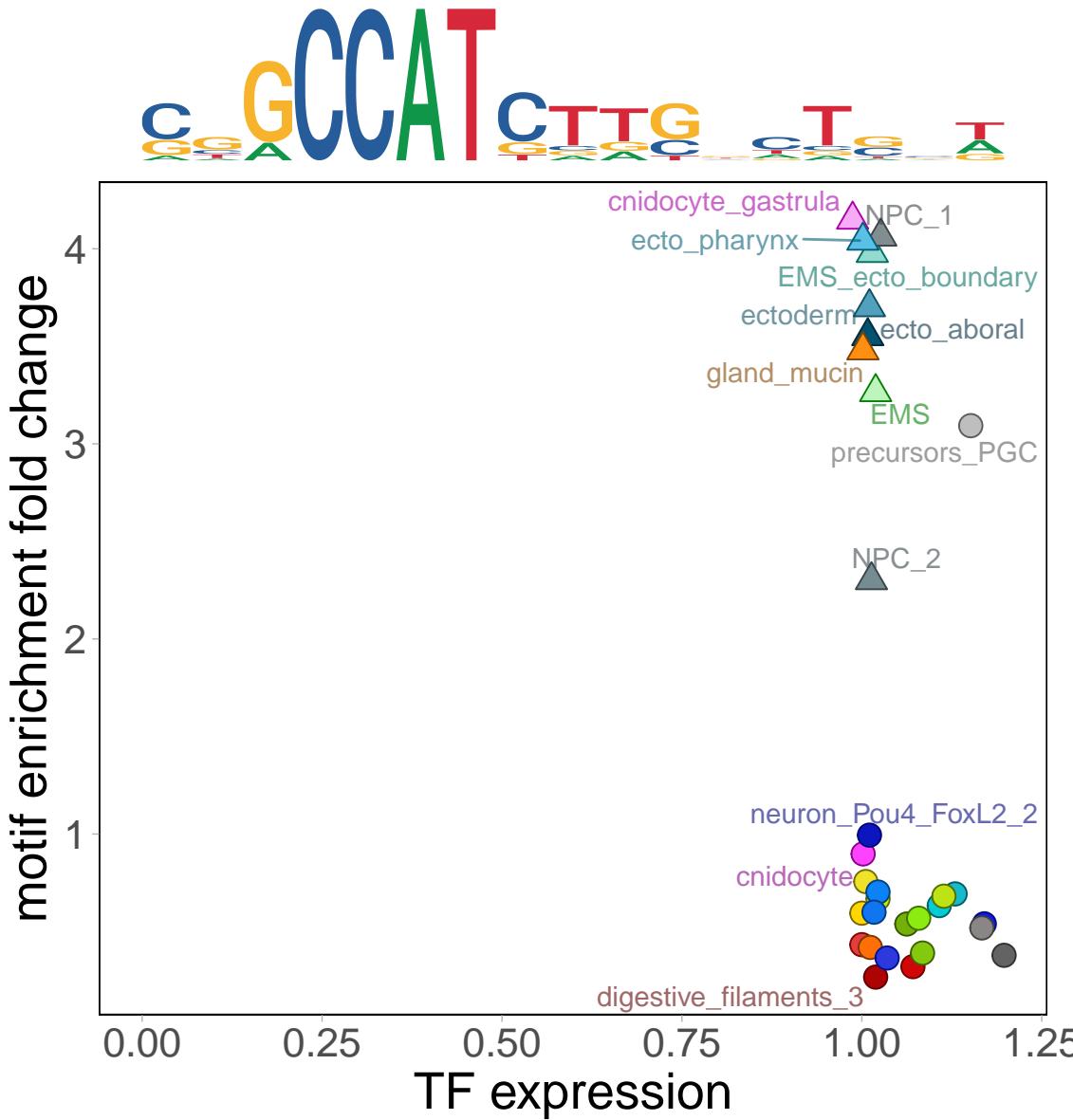
Nvec\_vc1.1\_XM\_048722751.1  
OG: zf-C2H2.HG10.1:ZFP3/ZNF319/Z  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: ARCH804\_PB0207.1\_Zic3\_2  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 1370  
gene expression correlation: 0.5705  
gene score correlation: -0.0706



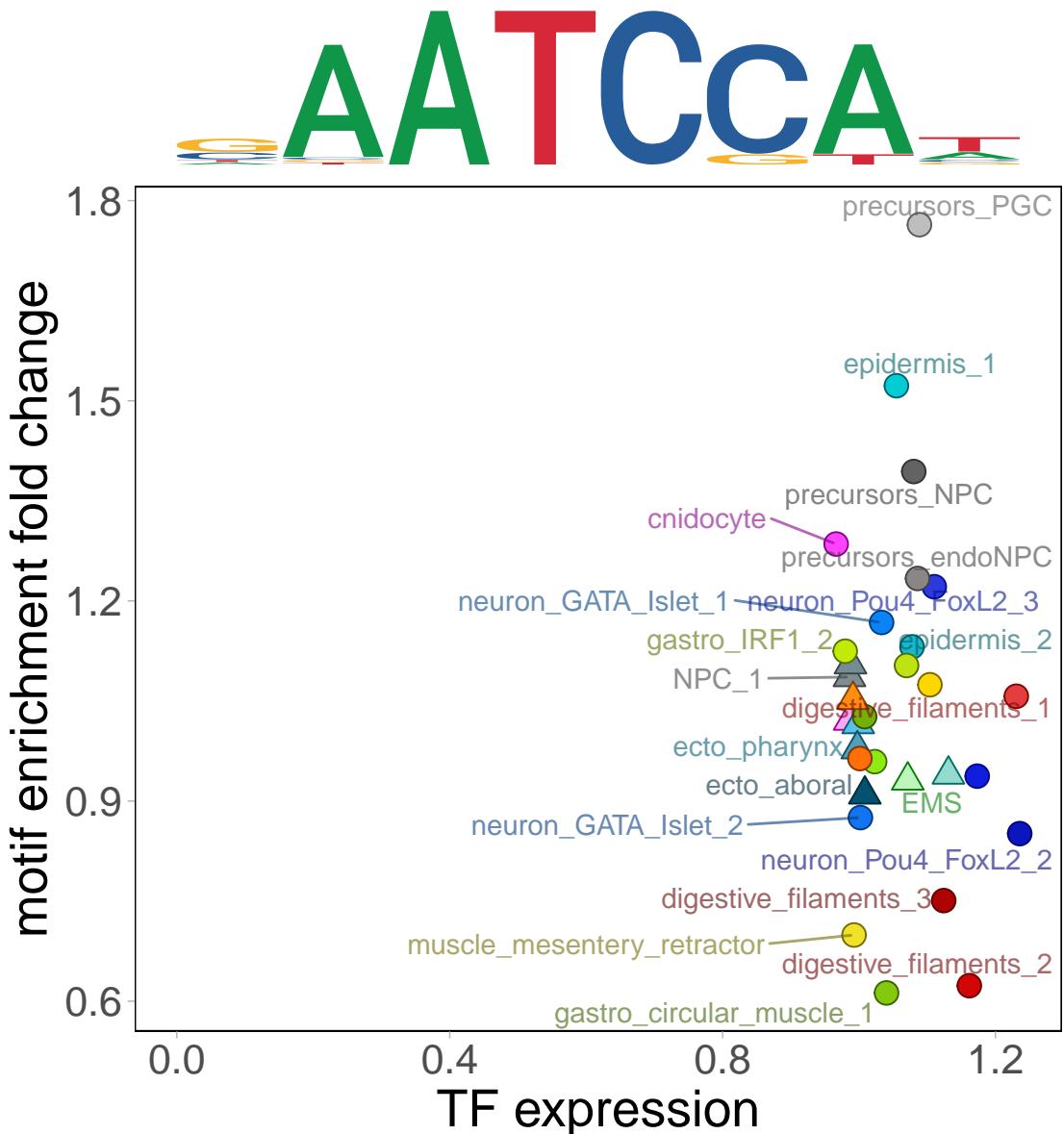
Nvec\_vc1.1\_XM\_048722754.1  
OG: zf-C2H2.HG10.1:ZFP3/ZNF319/Z  
PFAM: zf-C2H2/zf-C2H2\_11/zf-C2H2/  
motif: ARCH1253\_Yy1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 2  
gene expression correlation: -0.2598  
gene score correlation: -0.0464



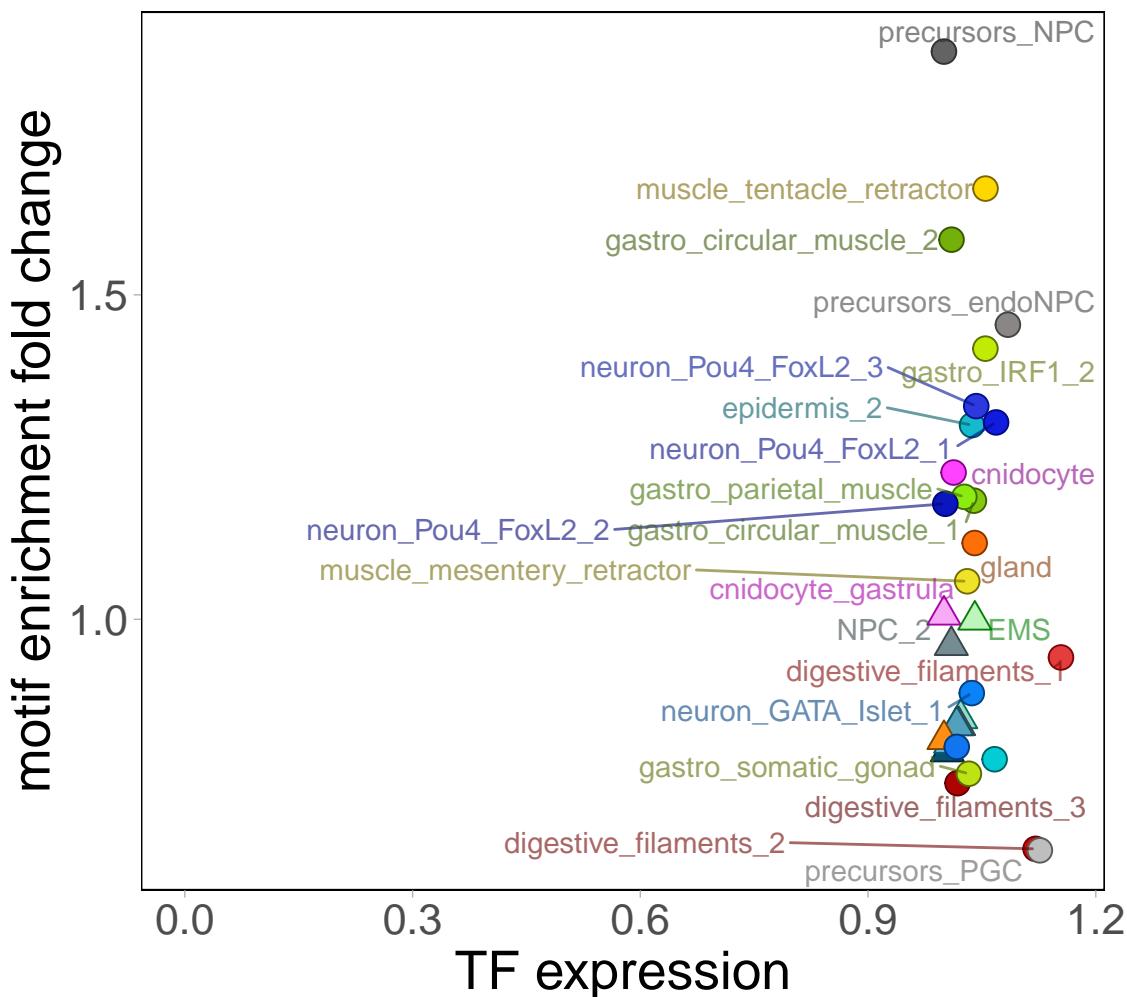
Nvec\_vc1.1\_XM\_048722777.1  
OG: zf-C2H2.HG10.1:ZFP3/ZNF319/Z  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: ARCH523\_Yy1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 1  
gene expression correlation: -0.3564  
gene score correlation: 0.0540



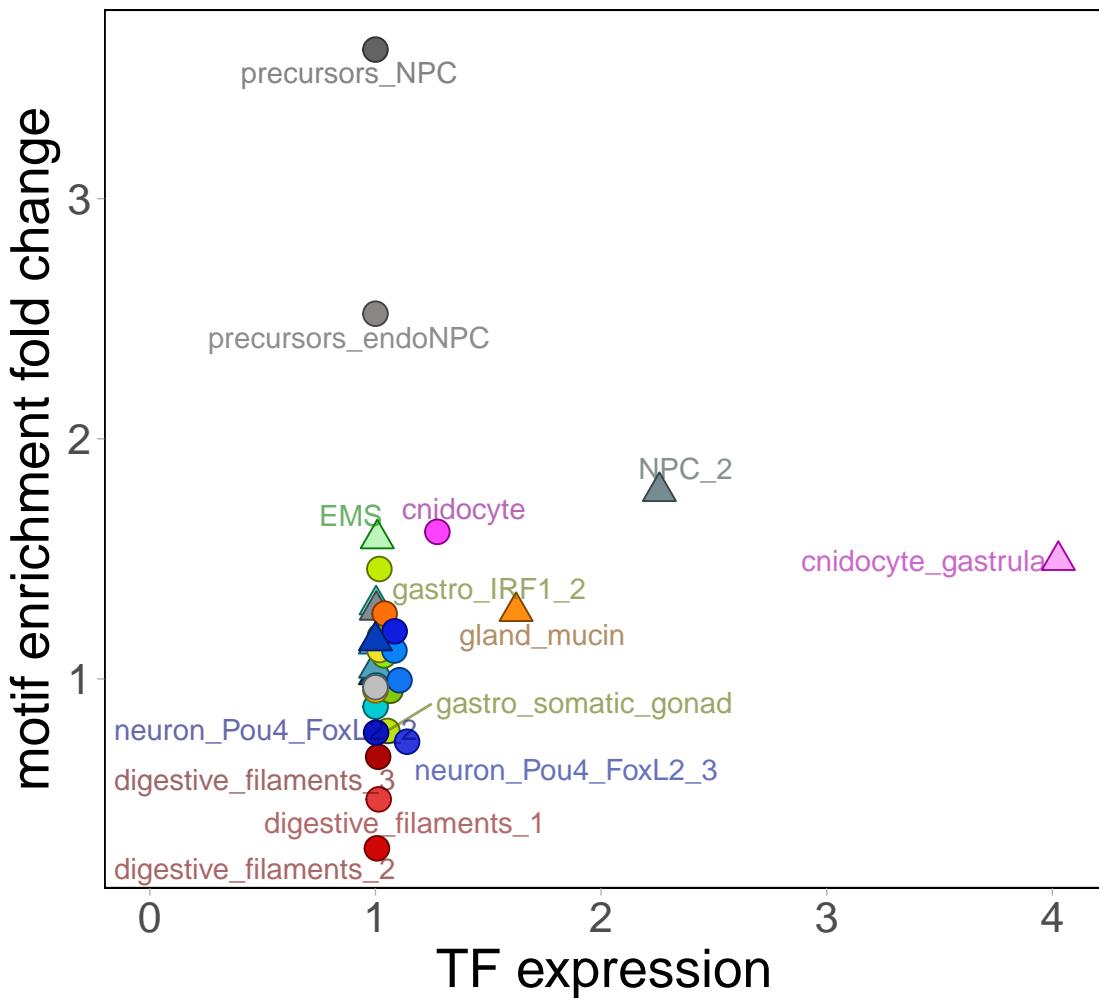
Nvec\_vc1.1\_XM\_048722810.1  
OG: Myb.HG1.5:like:DNAJC1/DNAJC2  
PFAM: Myb\_DNA-bind\_4  
motif: ARCH153\_Msantd2\_Rcor1/Rcor2  
TF family: Myb  
archetype family: Myb  
CisBP assigned: FALSE  
rank: 76  
gene expression correlation: -0.0888  
gene score correlation: 0.0261



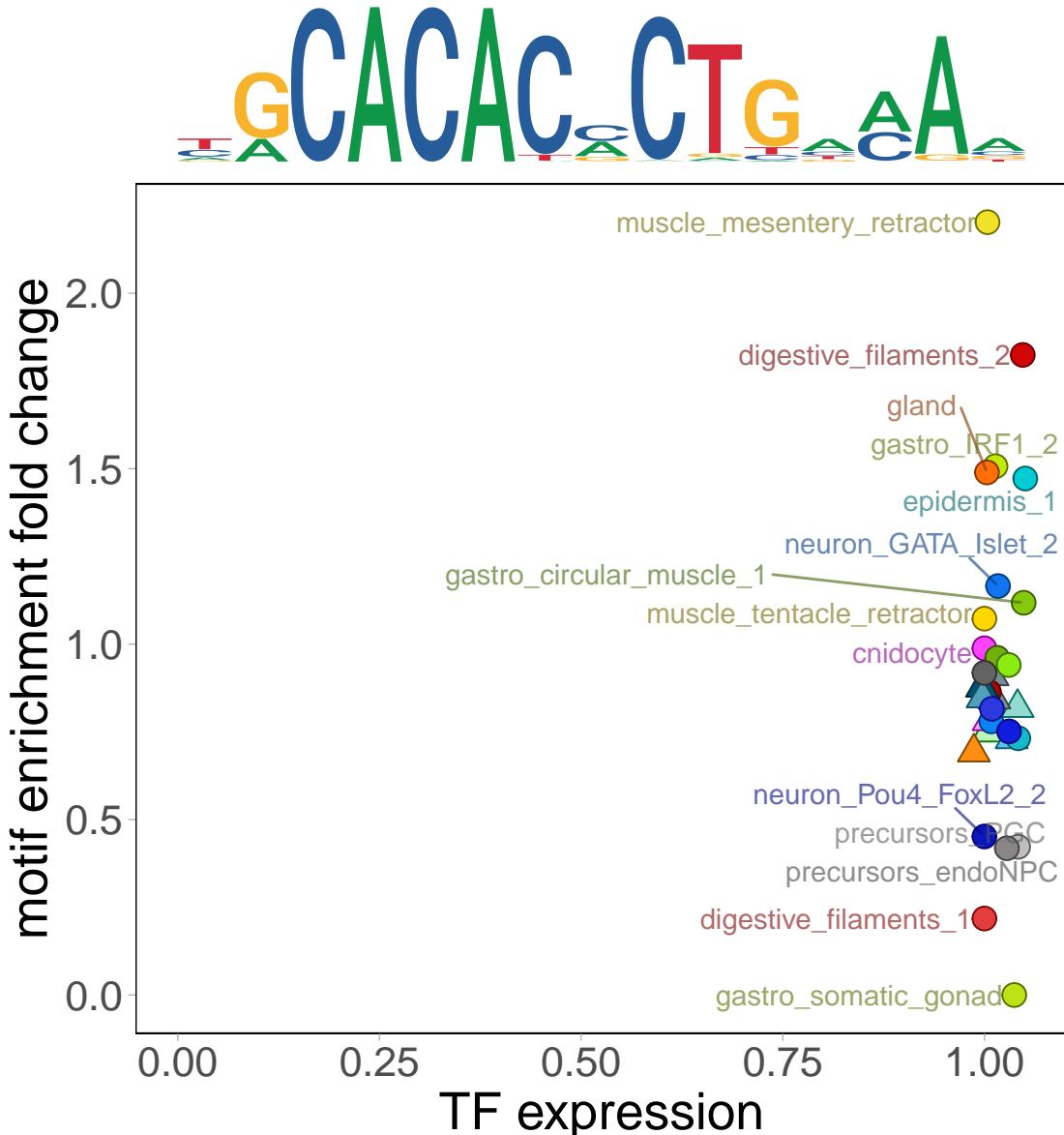
Nvec\_vc1.1\_XM\_048723038.1  
OG: zf-C2H2.HG10.1:ZFP3/ZNF319/Z  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2\_11/  
motif: ARCH702\_Zic1::Zic2  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 9  
gene expression correlation: -0.1366  
gene score correlation: 0.4572



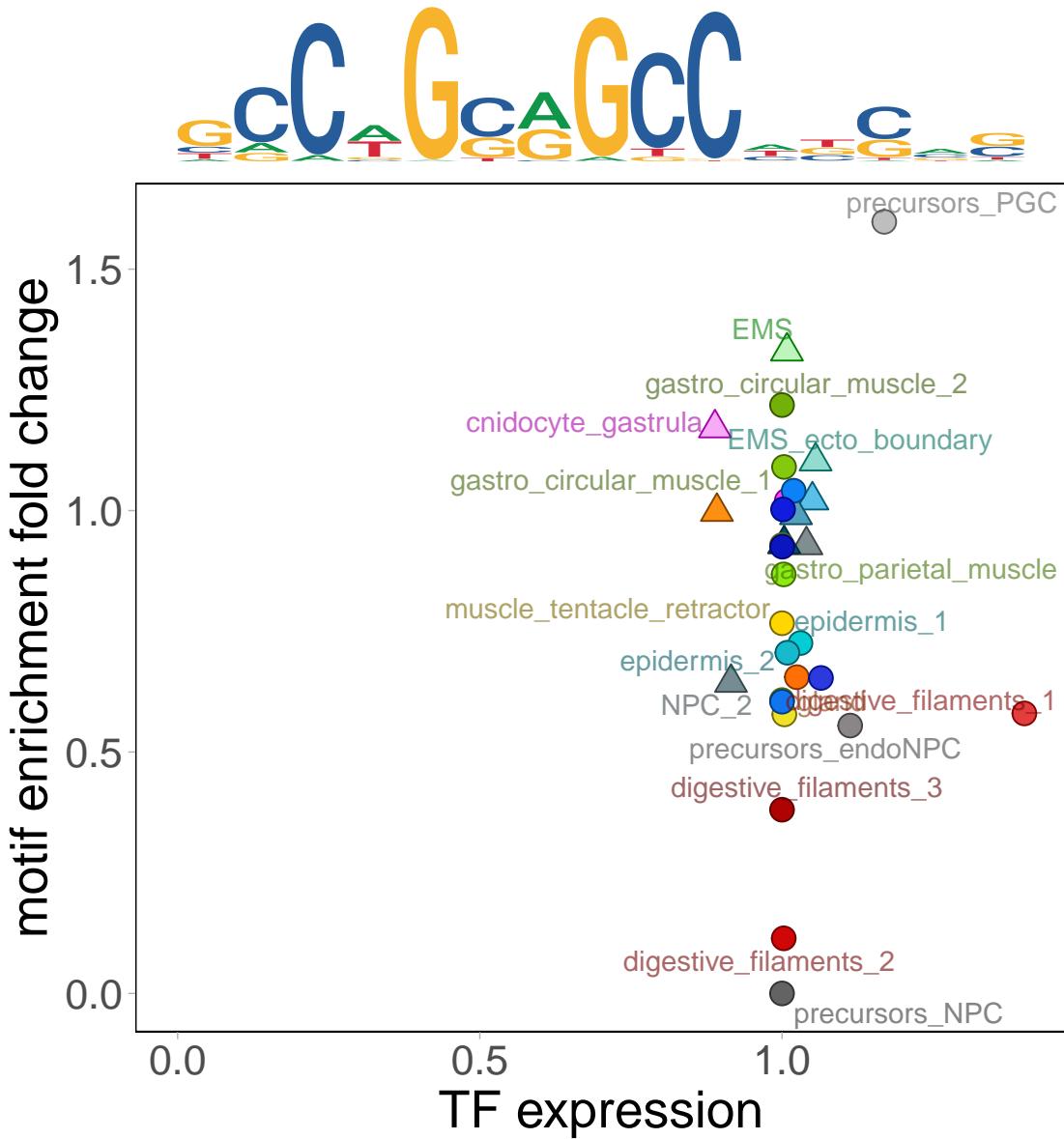
Nvec\_vc1.1\_XM\_048723046.1  
OG: bZIP.HG1.14:like:CREB3/CREB3L  
PFAM: bZIP\_1  
motif: M01812\_2.00  
TF family: bZIP  
archetype family: bZIP  
CisBP assigned: TRUE  
rank: 0  
gene expression correlation: 0.1472  
gene score correlation: 0.1338



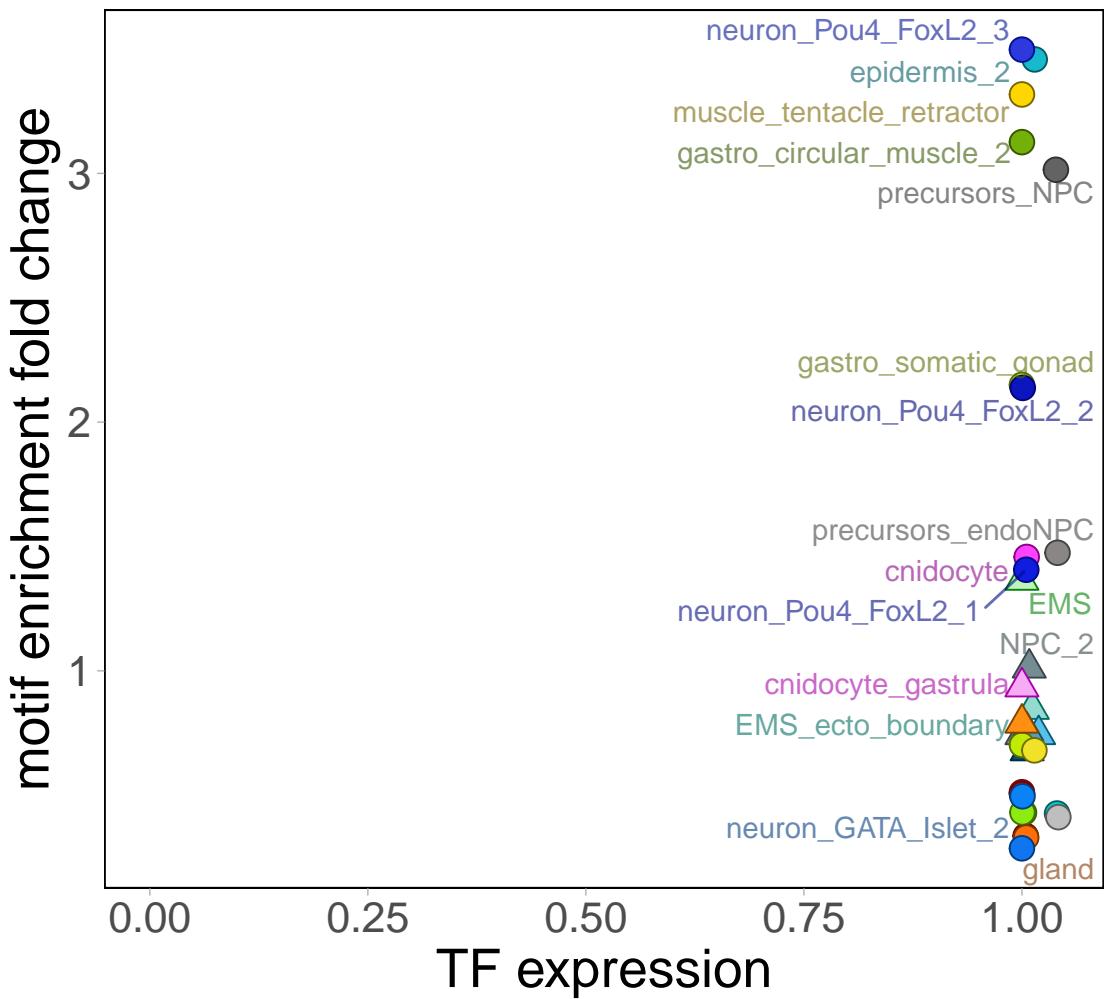
Nvec\_vc1.1\_XM\_048723108.1  
OG: zf-C2H2.HG10.1:ZFP3/ZNF319/Z  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: ARCH1368\_M04483\_2.00\_\_M04  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 626  
gene expression correlation: 0.0382  
gene score correlation: 0.0356



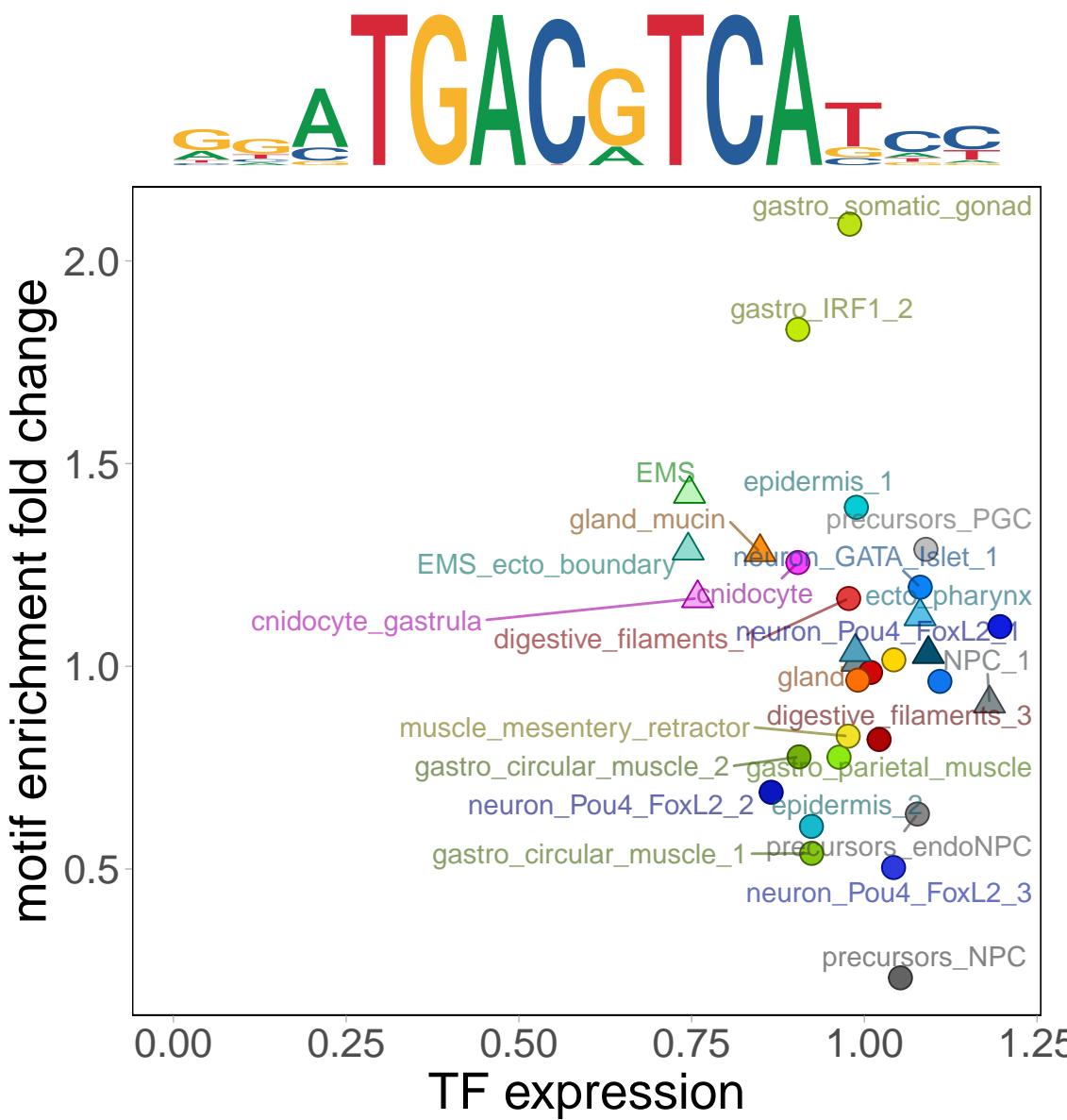
Nvec\_vc1.1\_XM\_048723109.1  
OG: zf-C2H2.HG10.1:ZFP3/ZNF319/Z  
PFAM: zf-C2H2\_11/zf-C2H2/zf-C2H2/  
motif: ARCH529\_Rslcan18/Gm28557/Z  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: TRUE  
rank: 935  
gene expression correlation: -0.0238  
gene score correlation: -0.3710



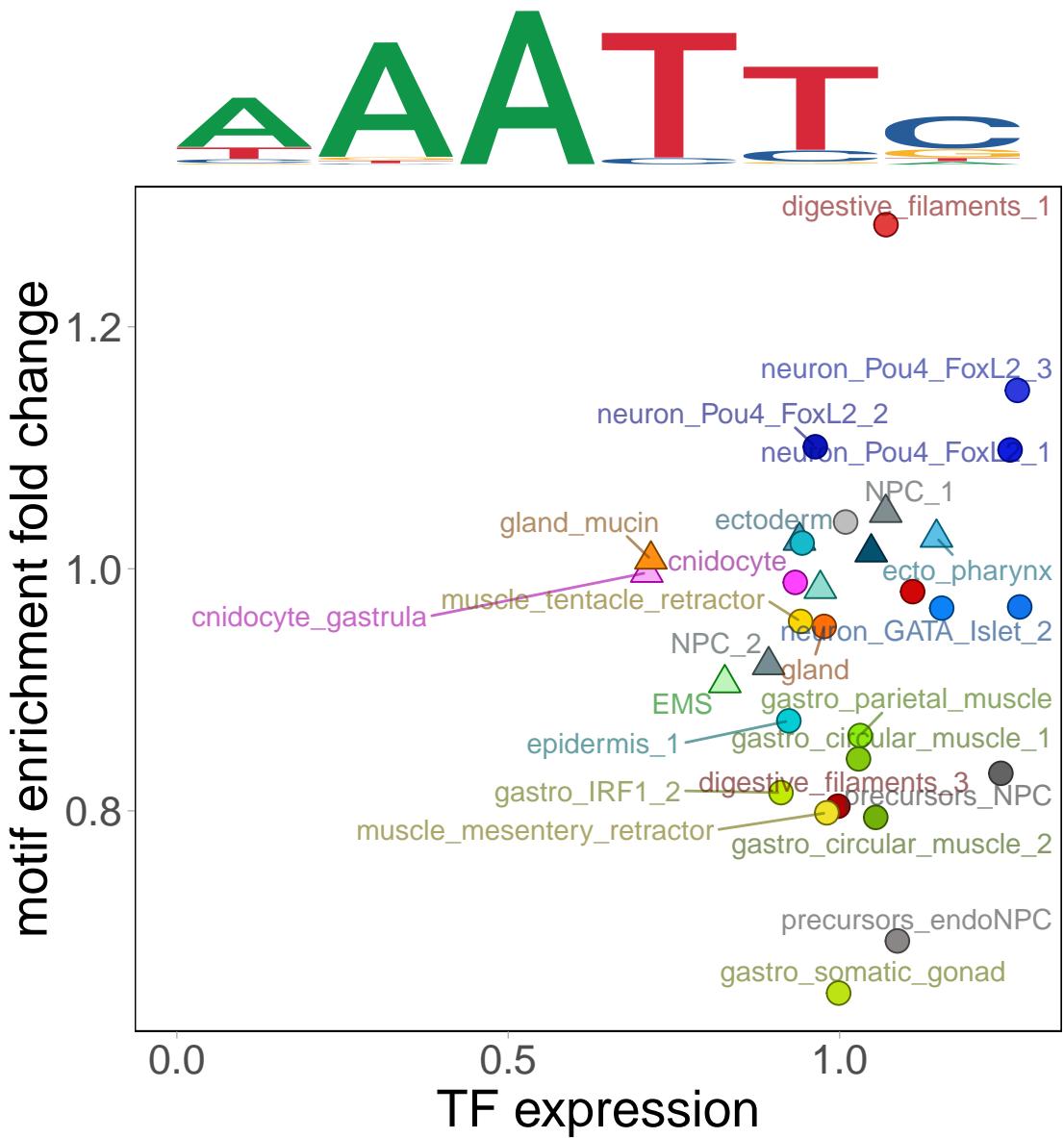
Nvec\_vc1.1\_XM\_048723111.1  
OG: zf-C2H2.HG10.1:ZFP3/ZNF319/Z  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: ARCH353\_M06062\_2.00\_\_M064  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 1  
gene expression correlation: 0.0124  
gene score correlation: 0.5922



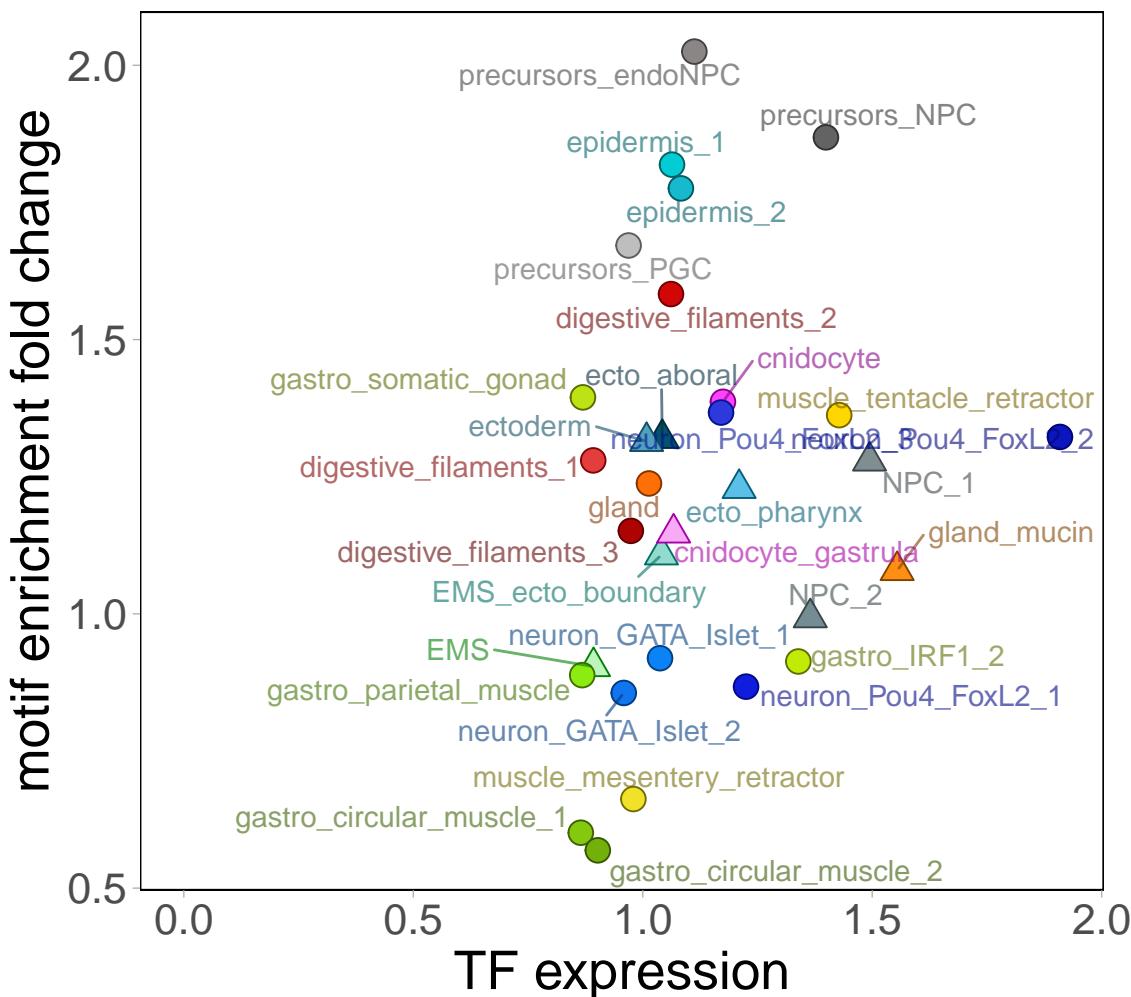
Nvec\_vc1.1\_XM\_048723364.1  
OG: bZIP.HG2.0:like:CEBPA/CEBPB/C  
PFAM: bZIP\_2  
motif: ARCH1605\_Atf4/Atf5  
TF family: bZIP  
archetype family: bZIP  
CisBP assigned: FALSE  
rank: 34  
gene expression correlation: -0.2210  
gene score correlation: 0.2999



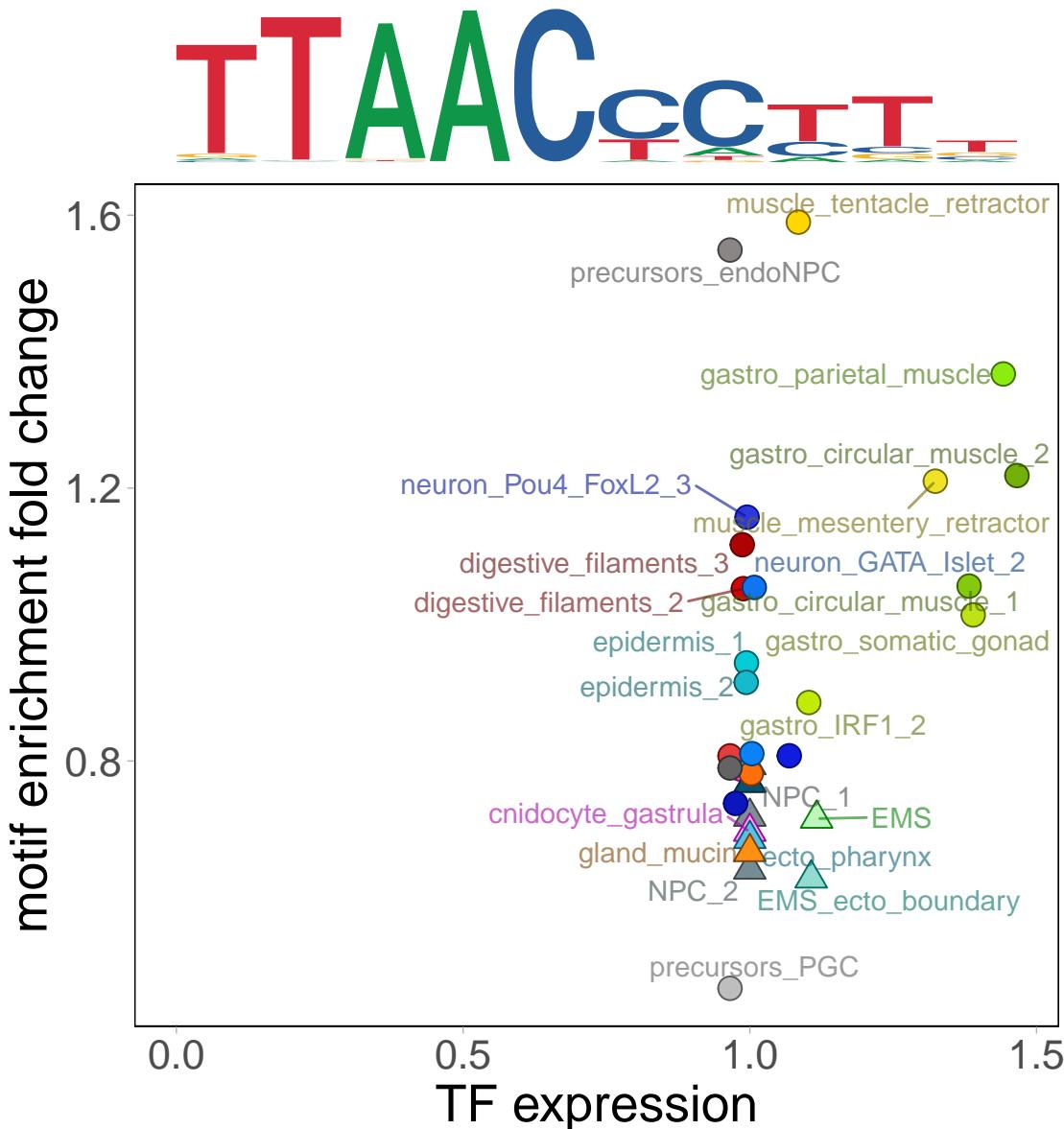
Nvec\_vc1.1\_XM\_048723770.1  
OG: HMGbox\_Sox.HG1.49:SMARCE1  
PFAM: HMG\_box  
motif: ARCH76\_CES-1\_PB0171.1\_Sc  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: FALSE  
rank: 188  
gene expression correlation: 0.1203  
gene score correlation: 0.3195



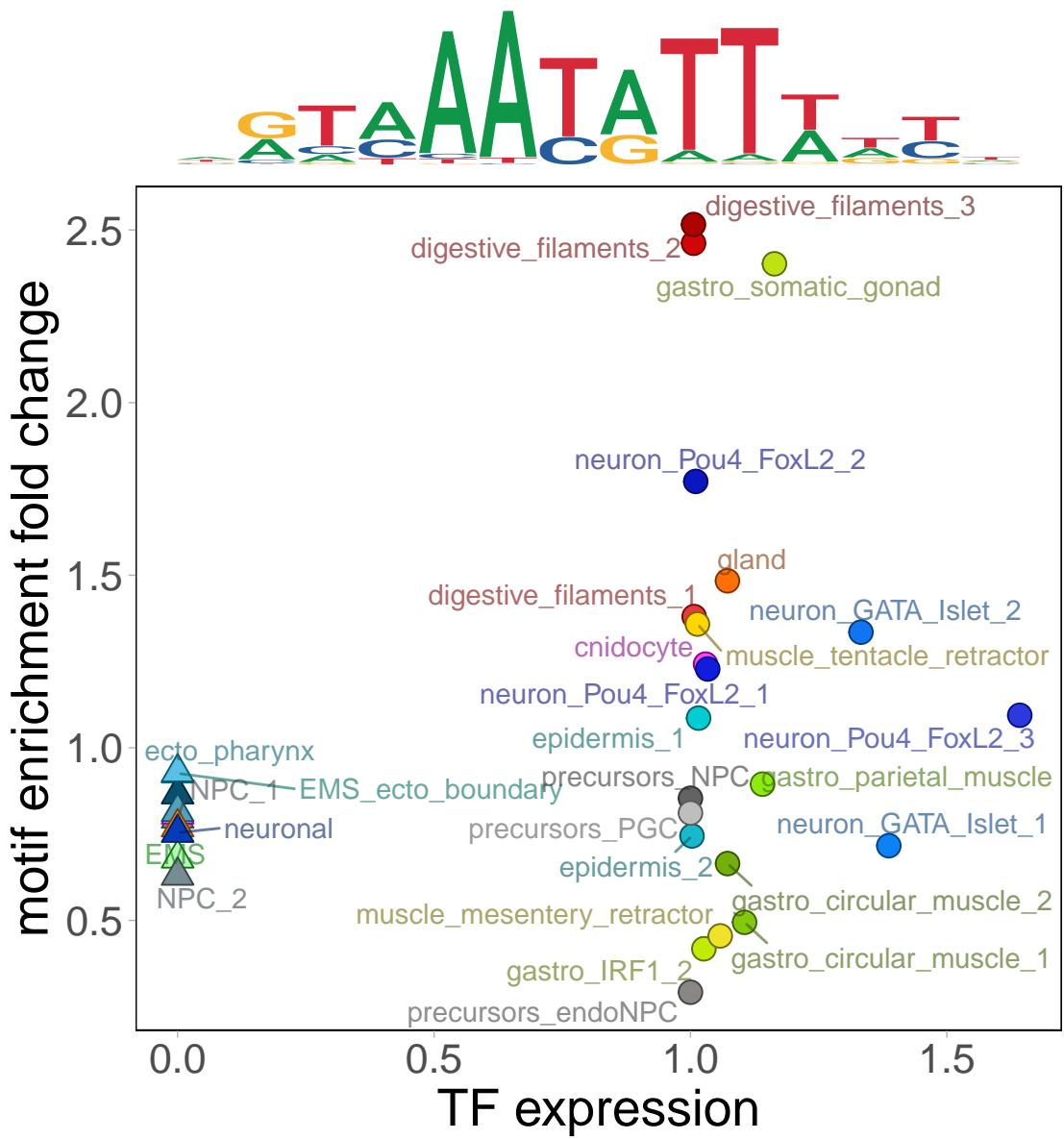
Nvec\_vc1.1\_XM\_048723945.1  
OG: Forkhead.HG1.16:FOXN2/FOXN3  
PFAM: Forkhead  
motif: ARCH829\_PB0121.1\_Foxj3\_2  
TF family: Forkhead  
archetype family: Forkhead  
CisBP assigned: FALSE  
rank: 2  
gene expression correlation: 0.2013  
gene score correlation: 0.5029



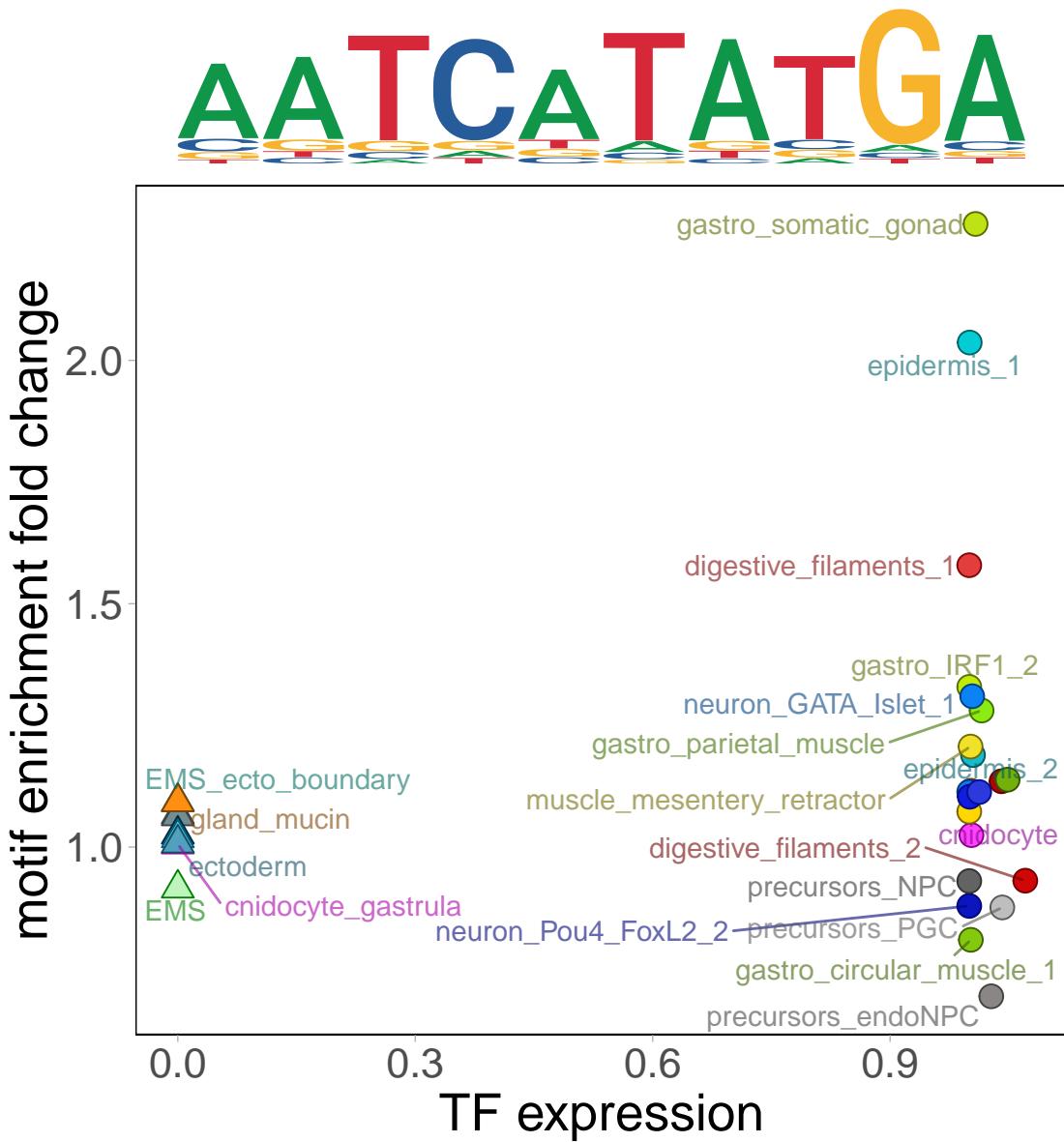
Nvec\_vc1.1\_XM\_048724012.1  
OG: zf-C2H2.HG4.10:GLI1/GLI2/GLI3  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH1043\_ZNF652  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 186  
gene expression correlation: 0.4224  
gene score correlation: 0.3806



Nvec\_vc1.1\_XM\_048724319.1  
OG: Forkhead.HG1.1:FOXA1/FOXA2/FoxP  
PFAM: Forkhead  
motif: M03042\_2.00  
TF family: Forkhead  
archetype family: Forkhead  
CisBP assigned: TRUE  
rank: 0  
gene expression correlation: 0.2872  
gene score correlation: -0.0978



Nvec\_vc1.1\_XM\_048724372.1  
OG: HLH.HG1.79:MEP1/MEP2/MSG  
PFAM: HLH  
motif: ARCH144\_BHLHE23  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 914  
gene expression correlation: 0.2158  
gene score correlation: -0.0163



Nvec\_vc1.1\_XM\_048724605.1

OG: Myb.HG6.0:BDP1

PFAM: Myb\_DNA-bind\_7

motif: ARCH1526\_Mybl2/Myb/Mybl1

TF family: Myb

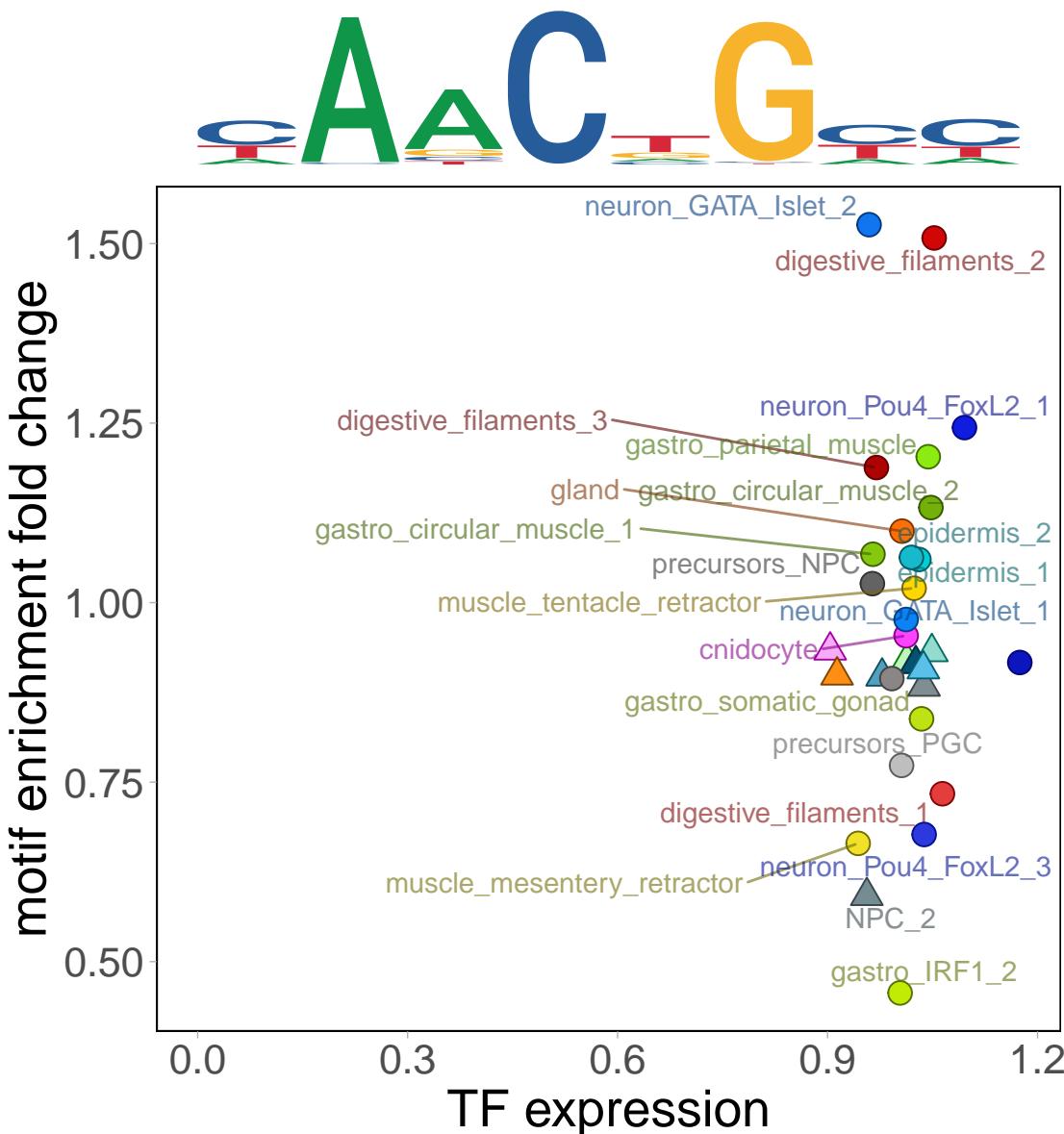
archetype family: Myb

CisBP assigned: FALSE

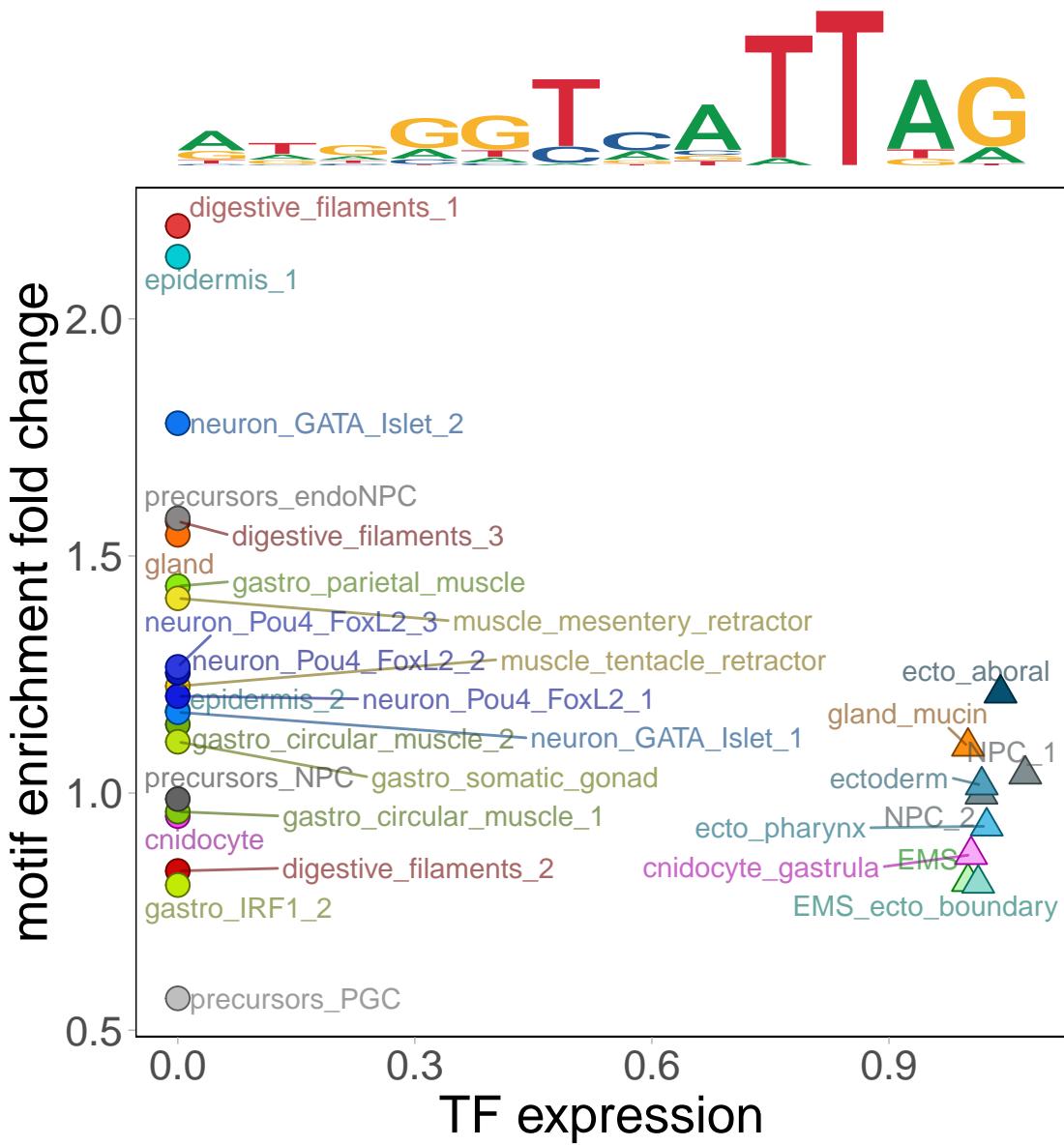
rank: 29

gene expression correlation: 0.1068

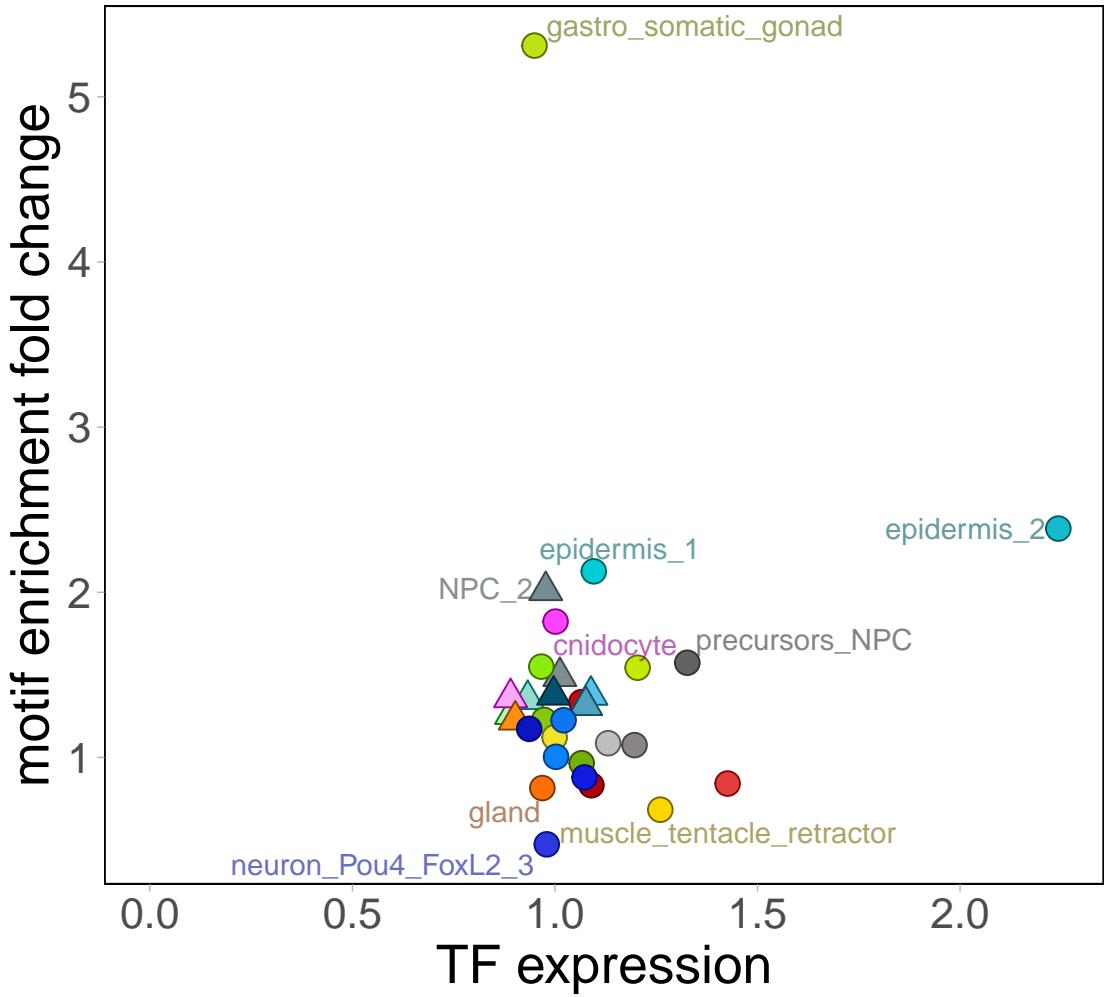
gene score correlation: -0.0275



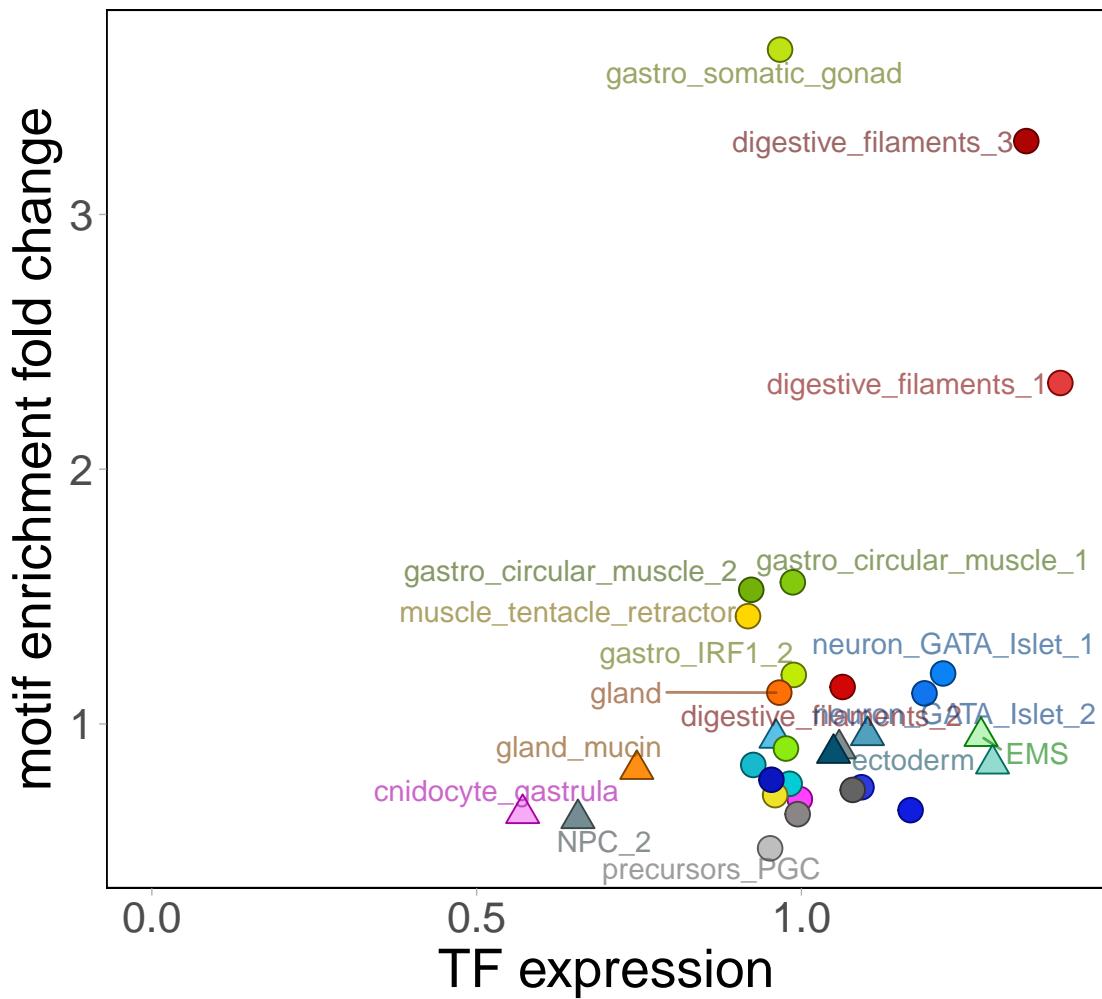
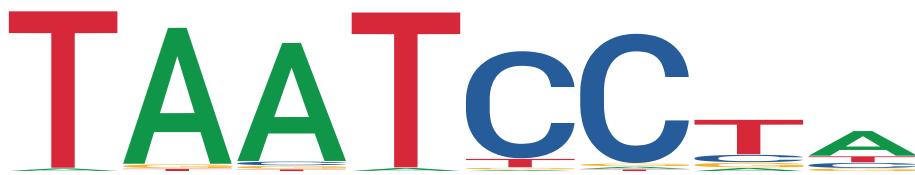
Nvec\_vc1.1\_XM\_048724756.1  
OG: Homeodomains.HG1.23:like:HHEX  
PFAM: Homeodomain  
motif: ARCH273\_HOXD3  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 76  
gene expression correlation: -0.3823  
gene score correlation: -0.3559



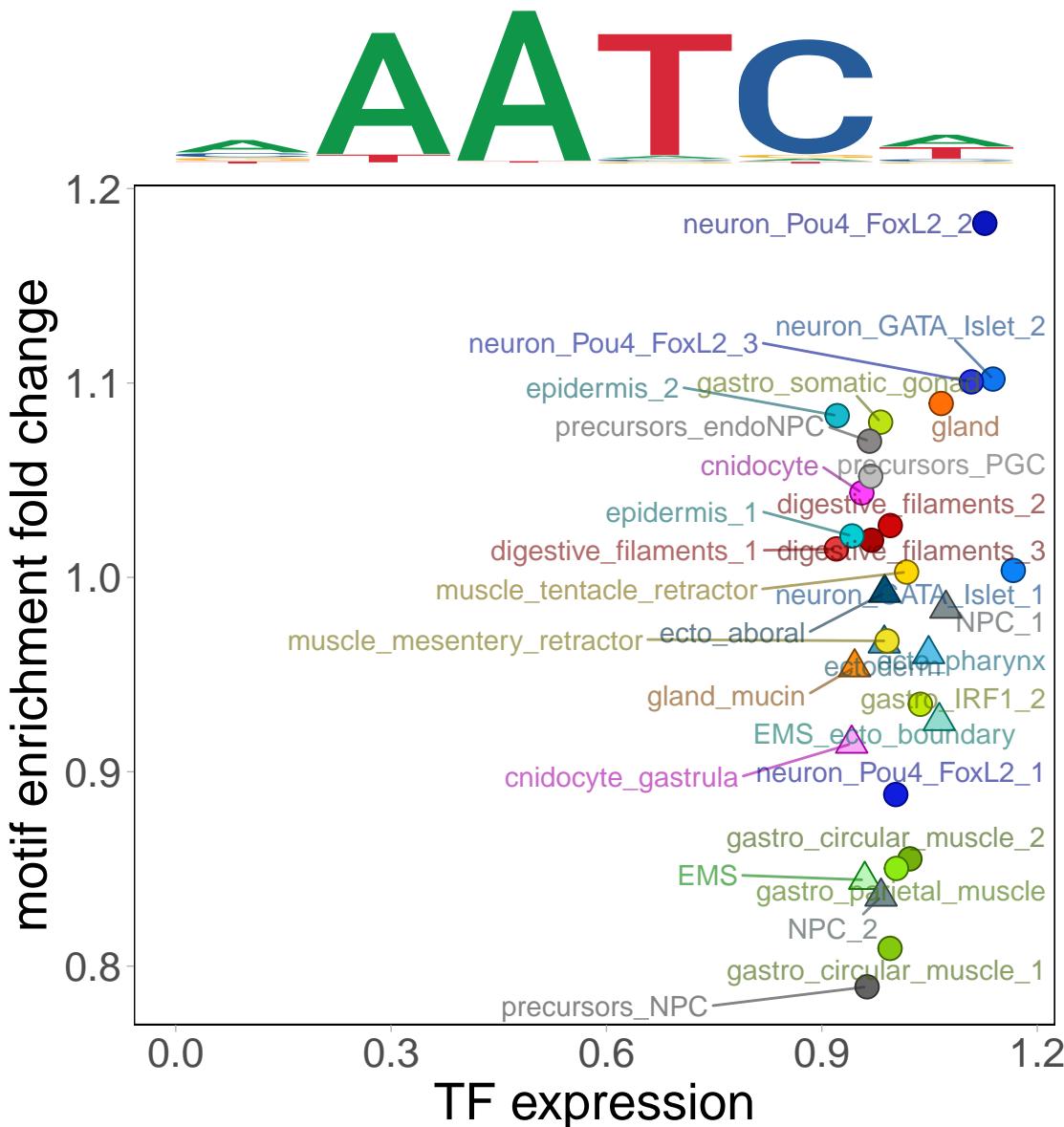
Nvec\_vc1.1\_XM\_048724796.1  
OG: HLH.HG1.107:like:HES5/HES7  
PFAM: HLH  
motif: ARCH1533\_BHLH112  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 60  
gene expression correlation: 0.0902  
gene score correlation: 0.1847



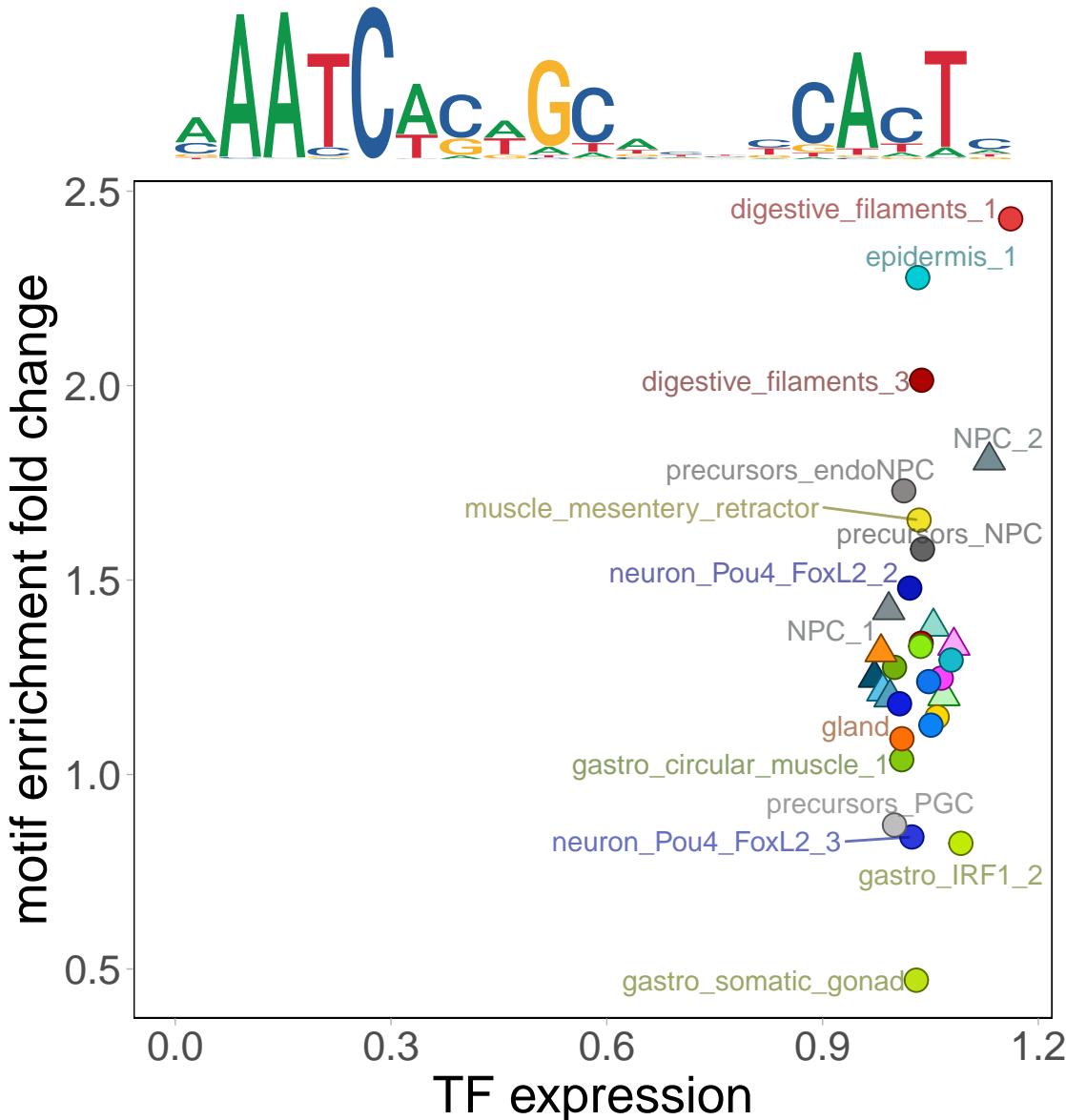
Nvec\_vc1.1\_XM\_048724840.1  
OG: Homeodomains.HG1.11:like:AC004  
PFAM: Homeodomain  
motif: ARCH1437\_  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 1  
gene expression correlation: 0.3446  
gene score correlation: 0.7329



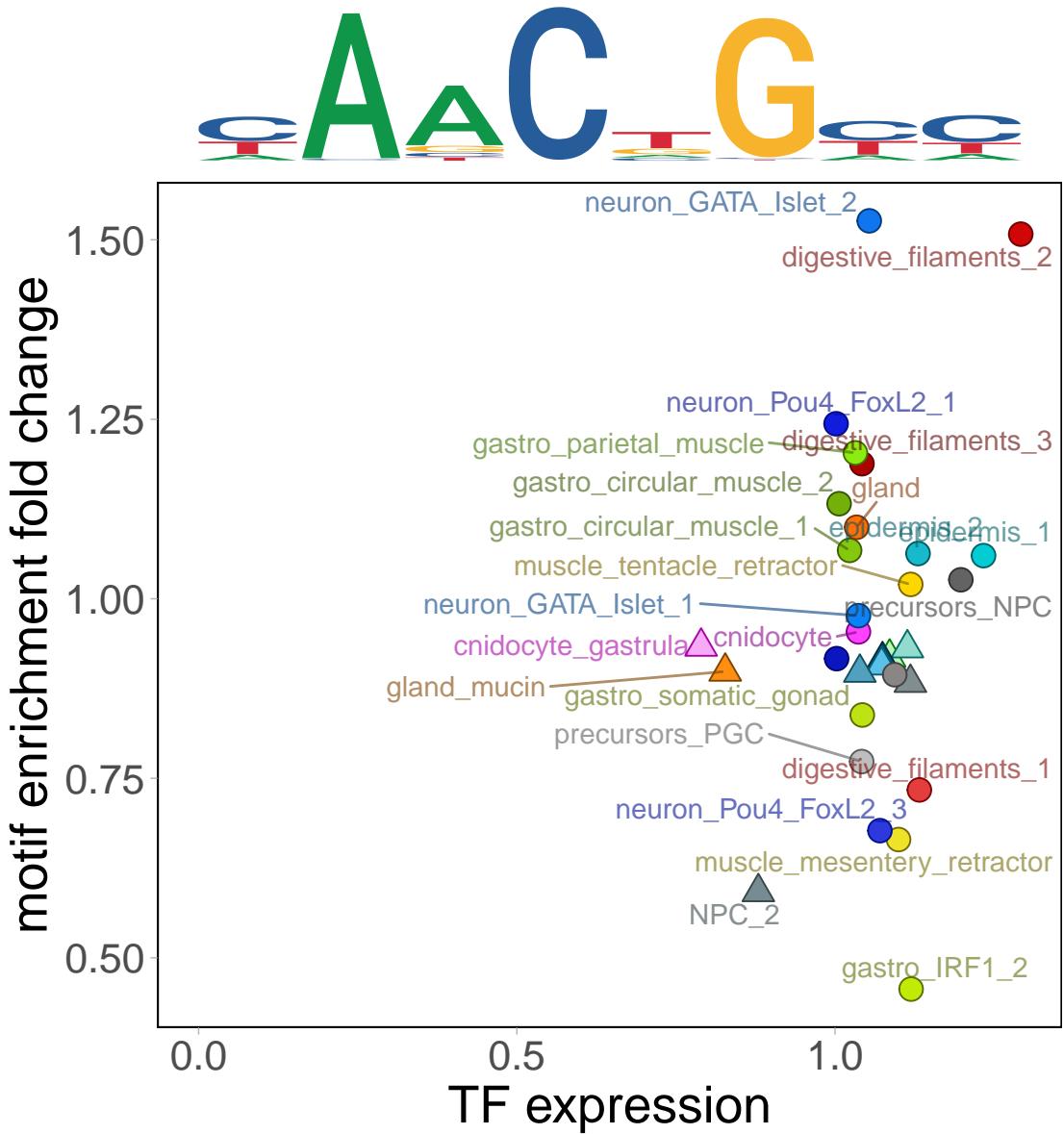
Nvec\_vc1.1\_XM\_048725325.1  
OG: zf-C2H2.HG1.1:like:AC008758.1/A  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH1200\_Zfp760/Zfp770  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 21  
gene expression correlation: 0.2926  
gene score correlation: 0.3635



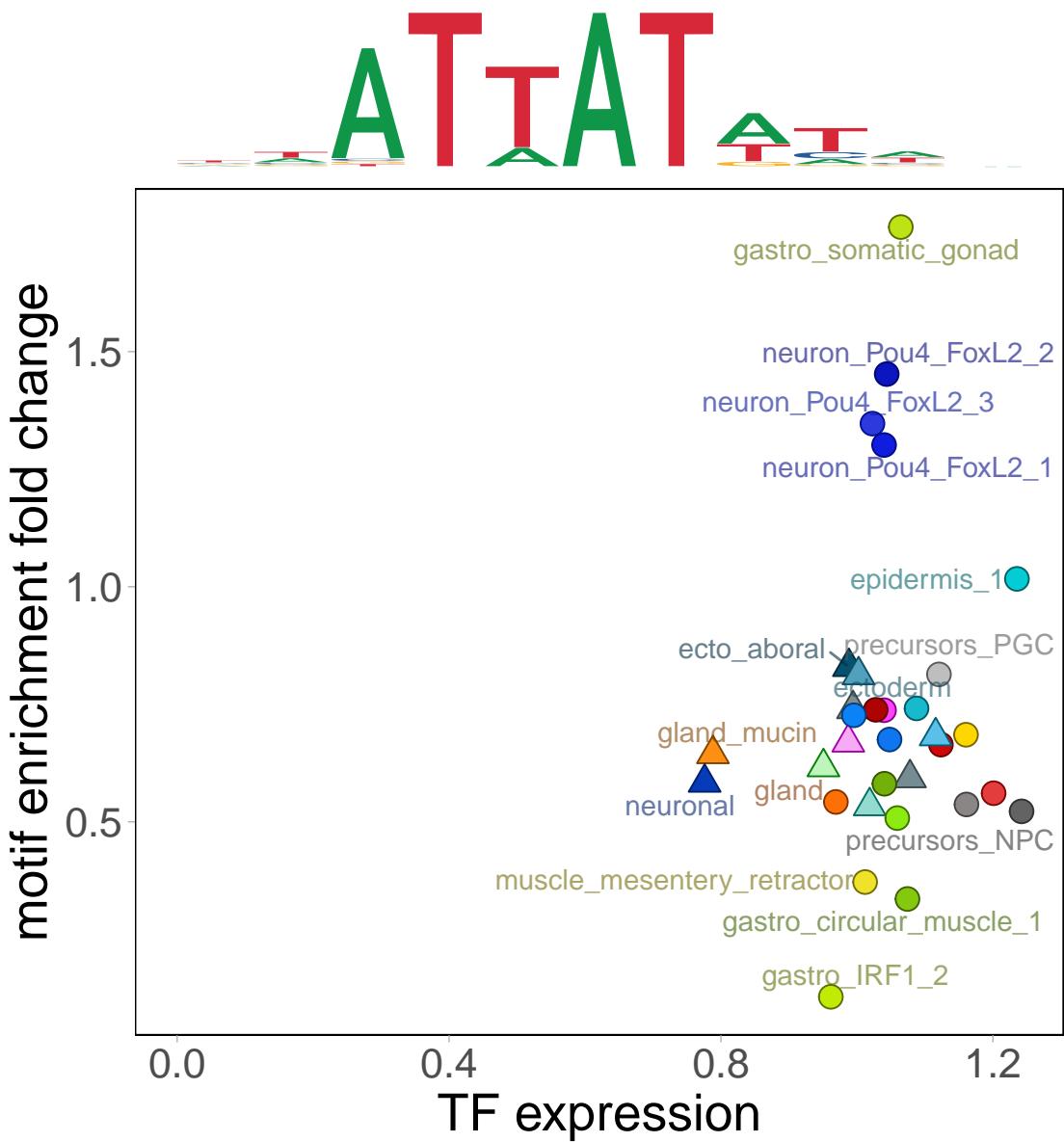
Nvec\_vc1.1\_XM\_048725461.1  
OG: zf-C2H2.HG1.72:like:AC008758.1/  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH1345\_Gfi1b/Gfi1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 5  
gene expression correlation: 0.3606  
gene score correlation: 0.3405



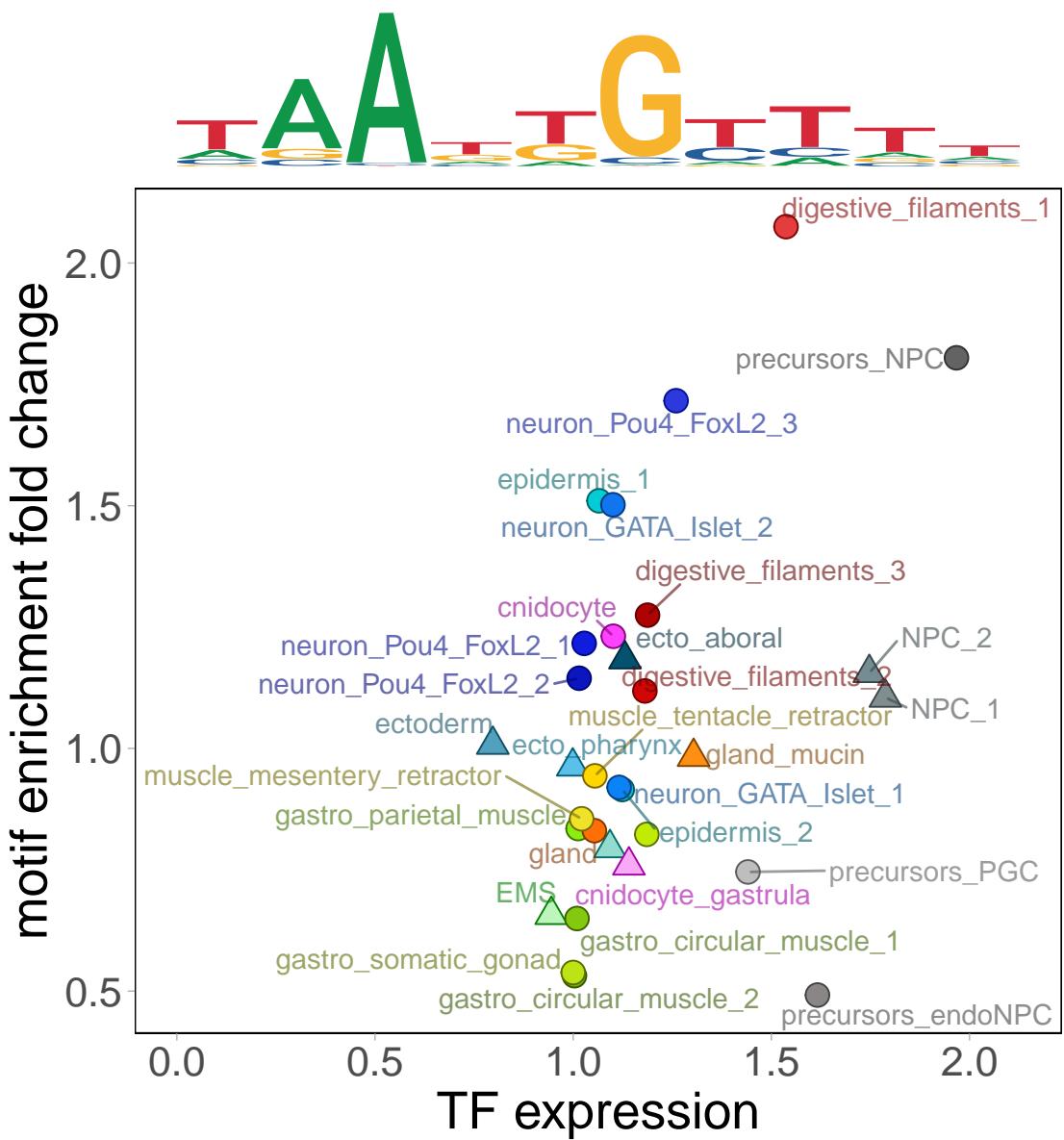
Nvec\_vc1.1\_XM\_048725593.1  
OG: Myb.HG1.3:MYB/MYBL1/MYBL2  
PFAM: Myb\_DNA-binding/Myb\_DNA-b  
motif: ARCH1526\_Mybl2/Myb/Mybl1  
TF family: Myb  
archetype family: Myb  
CisBP assigned: TRUE  
rank: 607  
gene expression correlation: 0.2038  
gene score correlation: 0.0382



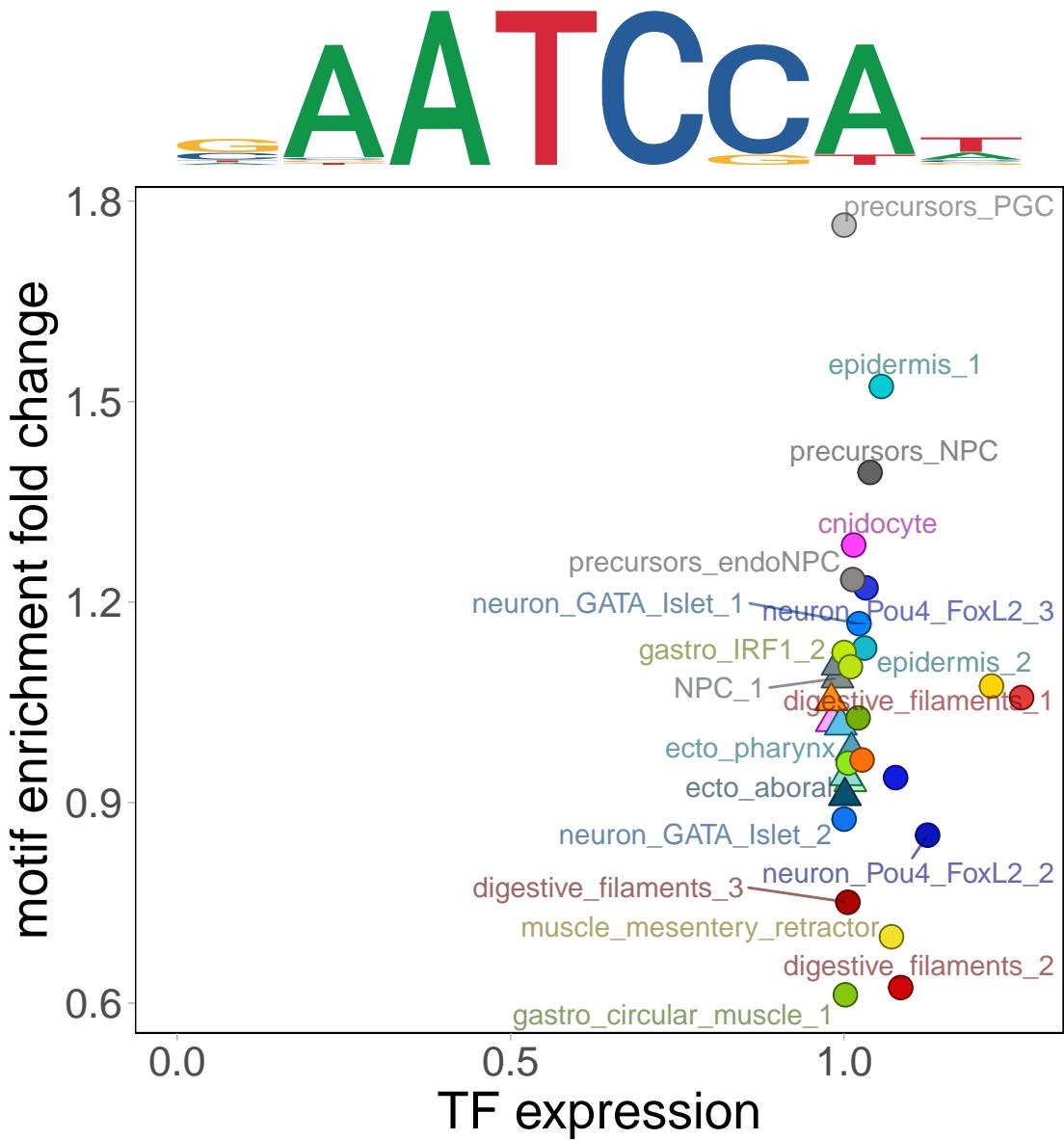
Nvec\_vc1.1\_XM\_048725617.1  
OG: HMGbox\_Sox.HG1.57:like:HMG20  
PFAM: HMG\_box/zf-met  
motif: M02487\_2.00  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.0855  
gene score correlation: 0.0078



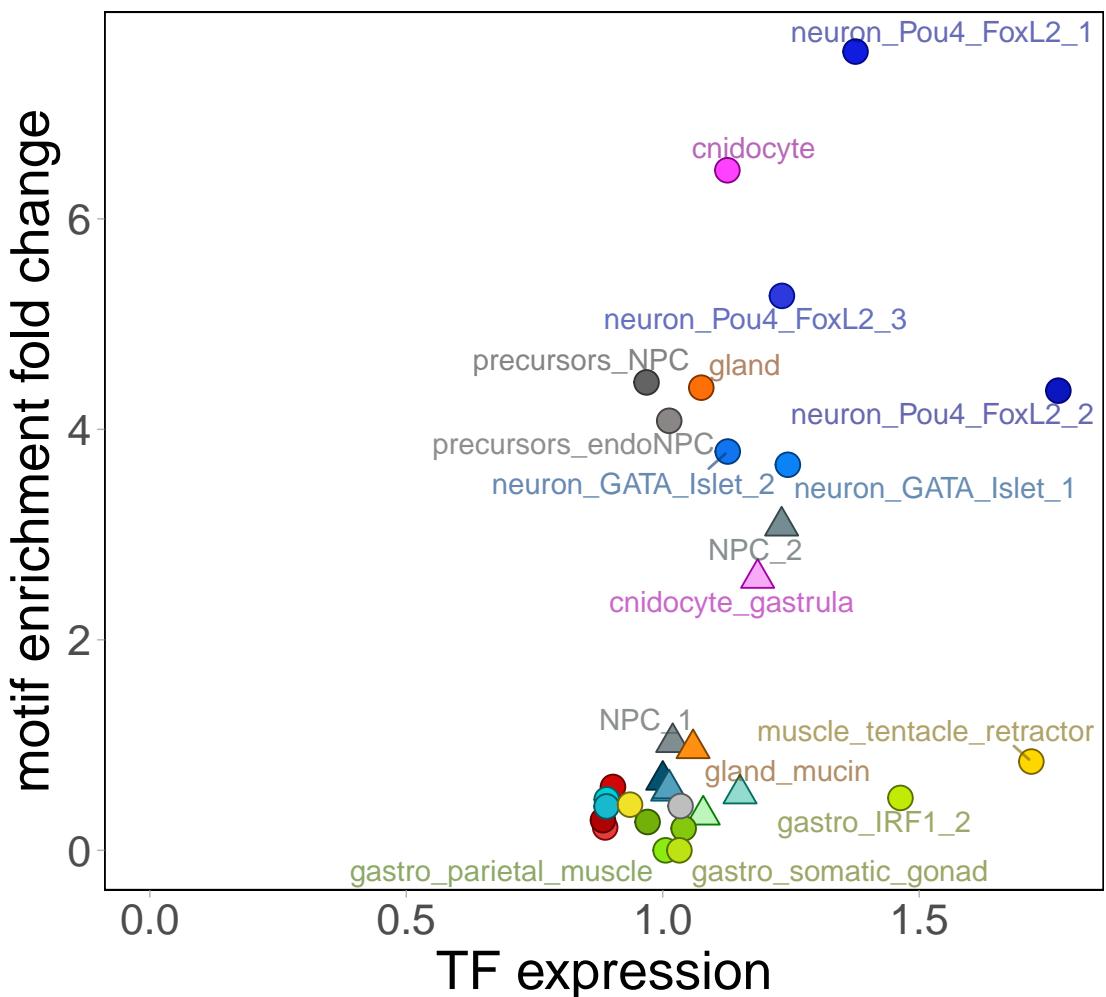
Nvec\_vc1.1\_XM\_048725765.1  
OG: Homeodomains.HG2.21:like:LEUT  
PFAM: CUTL/Homeodomain  
motif: ARCH42\_Alx3/Alx4/Alx1\_Barx2...  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 129  
gene expression correlation: 0.3774  
gene score correlation: 0.4755



Nvec\_vc1.1\_XM\_048726087.1  
OG: Myb.HG2.5:NA  
PFAM: MADF\_DNA\_bdg/BESS  
motif: ARCH153\_Msantd2\_Rcor1/Rcor2  
TF family: Myb  
archetype family: Myb  
CisBP assigned: FALSE  
rank: 13  
gene expression correlation: -0.0738  
gene score correlation: 0.0071



Nvec\_vc1.1\_XM\_048726174.1  
OG: zf-C2H2.HG6.2:MYT1/MYT1L/ST1  
PFAM: zf-C2HC/zf-C2HC/zf-C2HC/zf-  
motif: ARCH530\_Snai2  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 9  
gene expression correlation: 0.3882  
gene score correlation: 0.5569



Nvec\_vc1.1\_XM\_048726224.1

OG: Myb.HG1.22:TADA2A

PFAM: Myb\_DNA-binding

motif: ARCH1379\_MYB17

TF family: Myb

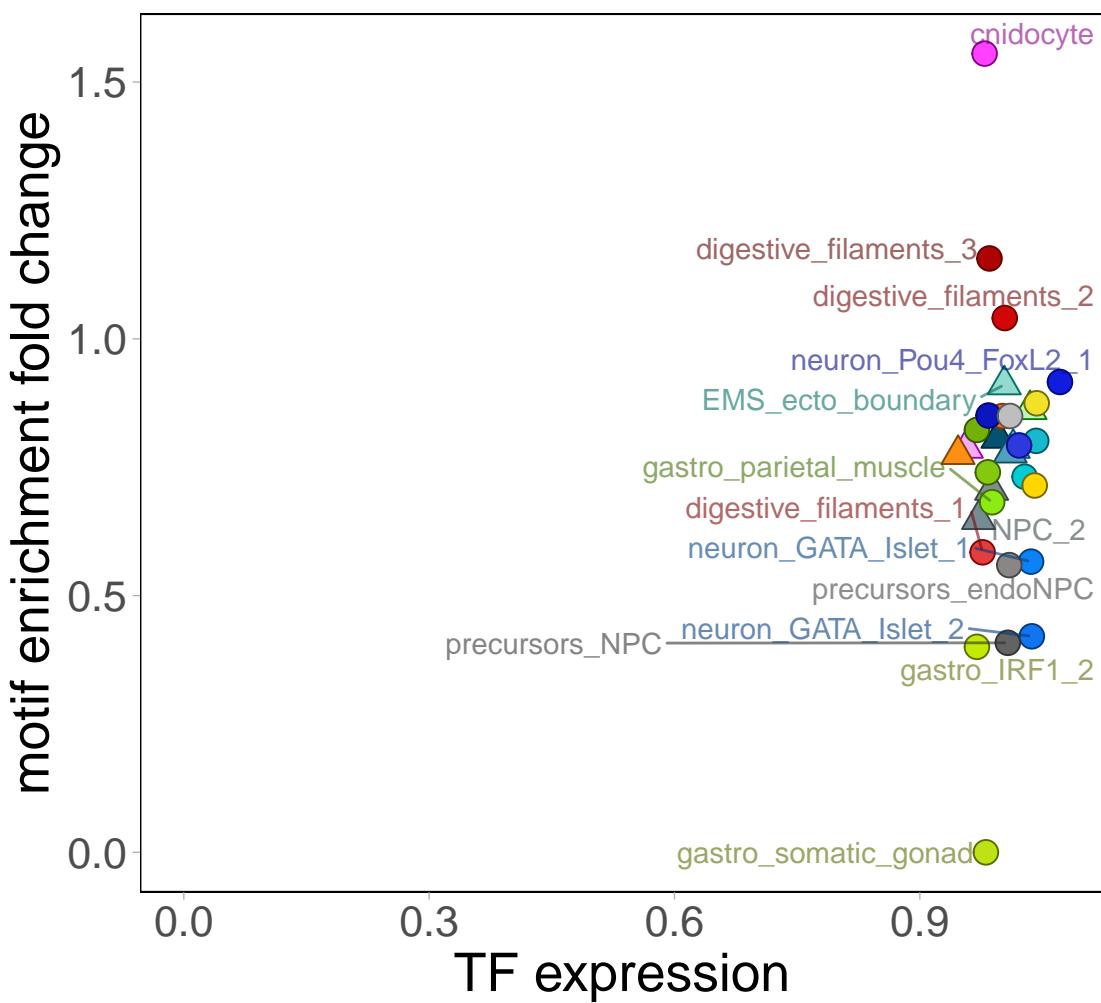
archetype family: Myb

CisBP assigned: FALSE

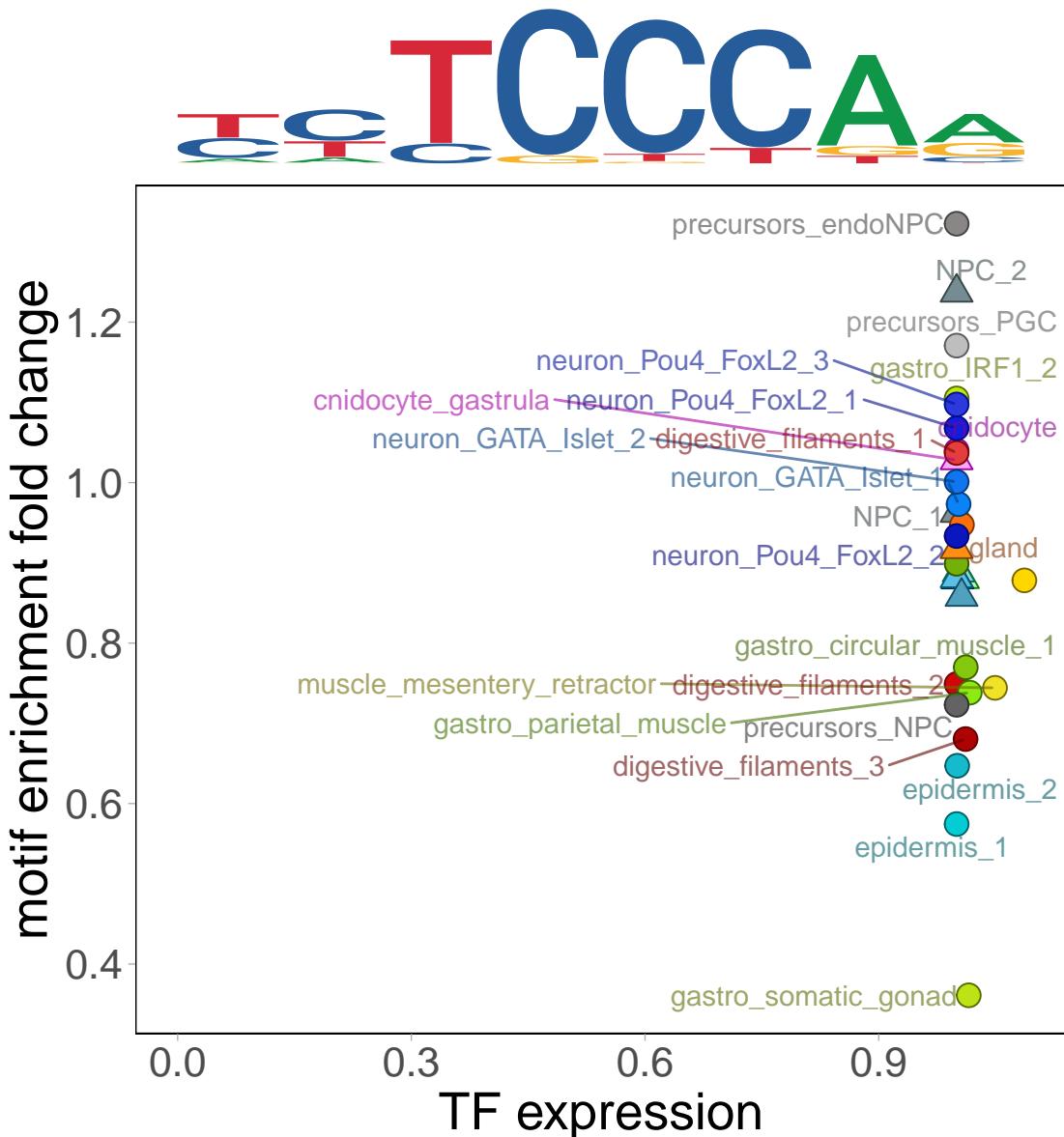
rank: 88

gene expression correlation: 0.0248

gene score correlation: 0.0894



Nvec\_vc1.1\_XM\_048726734.1  
OG: zf-C2H2.HG1.234:like:AC008758.1  
PFAM: zf-C2H2/zf-C2H2/zf-H2C2\_2/zf-H2C2\_3  
motif: ARCH822\_M08939\_2.00\_\_M103  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 7  
gene expression correlation: -0.2422  
gene score correlation: 0.3725



Nvec\_vc1.1\_XM\_048726881.1

OG: zf-C2H2.HG1.3:ZBTB3

PFAM: zf-C2H2

motif: ARCH1200\_Zfp760/Zfp770

TF family: zf-C2H2

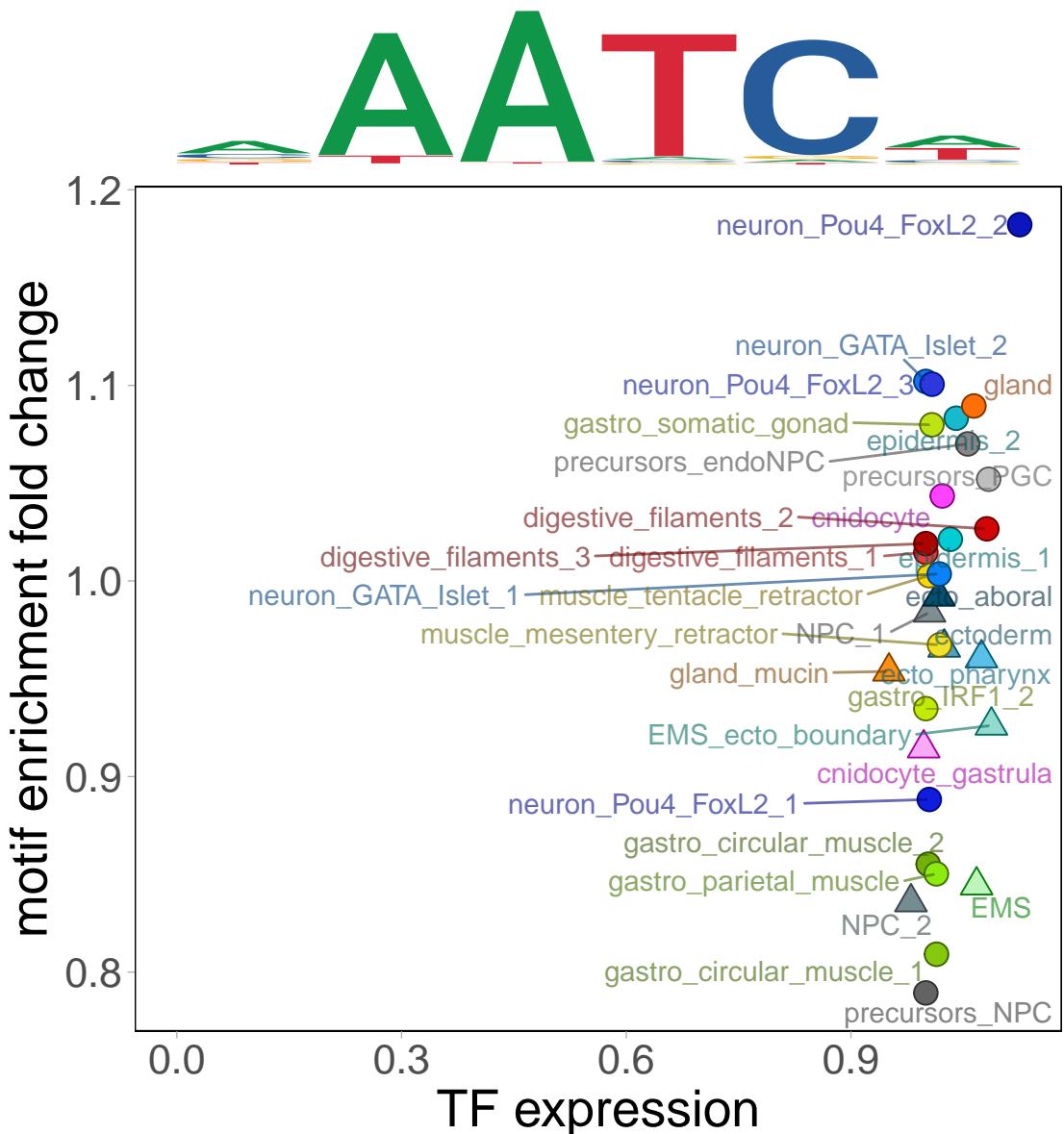
archetype family: zf-C2H2

CisBP assigned: TRUE

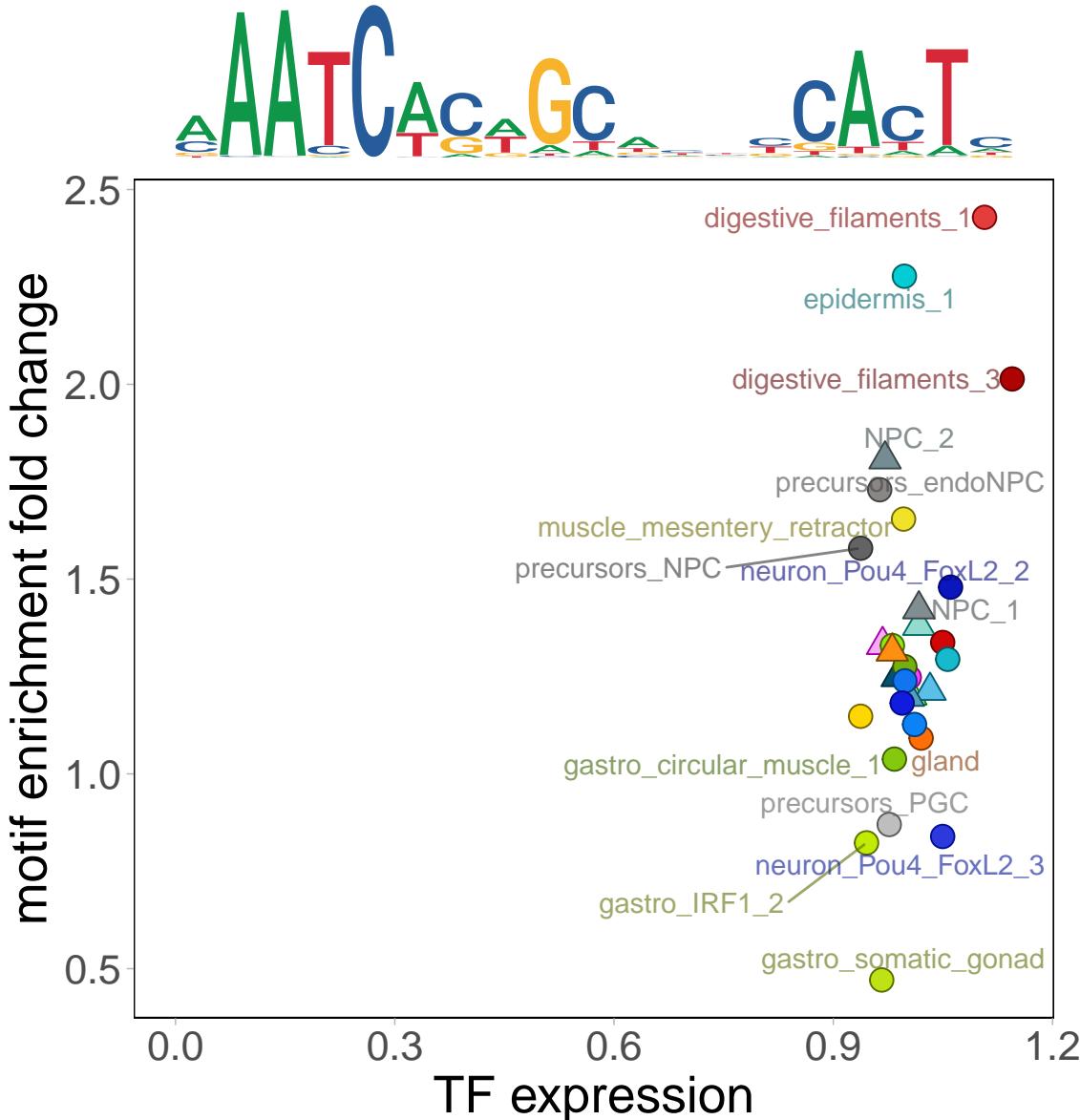
rank: 858

gene expression correlation: 0.3718

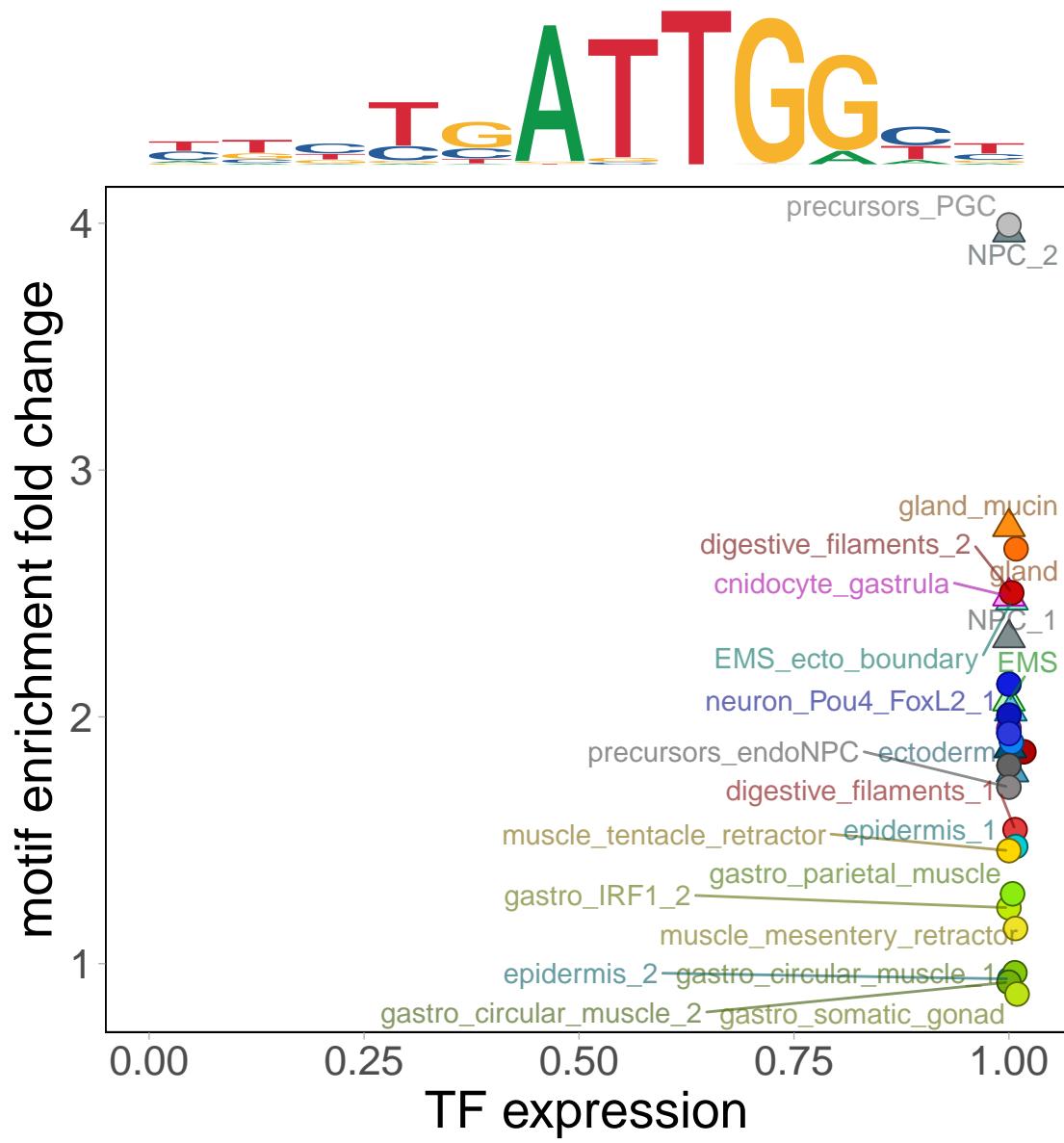
gene score correlation: 0.0708



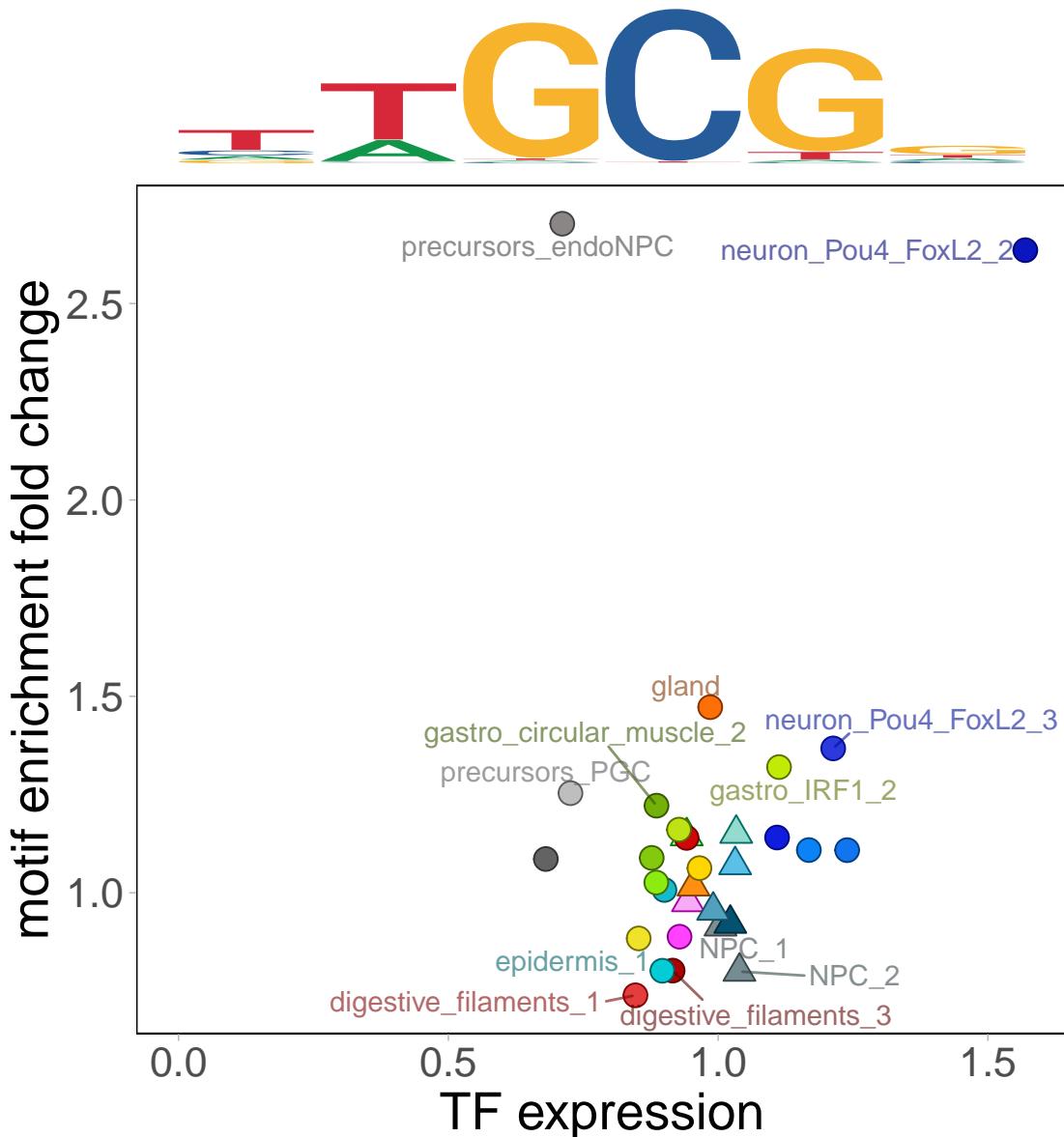
Nvec\_vc1.1\_XM\_048726885.1  
OG: zf-C2H2.HG1.3:ZBTB3  
PFAM: zf-C2H2\_6/zf-C2H2\_6/zf-C2H2  
motif: ARCH1345\_Gfi1b/Gfi1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 1682  
gene expression correlation: 0.4072  
gene score correlation: -0.0808



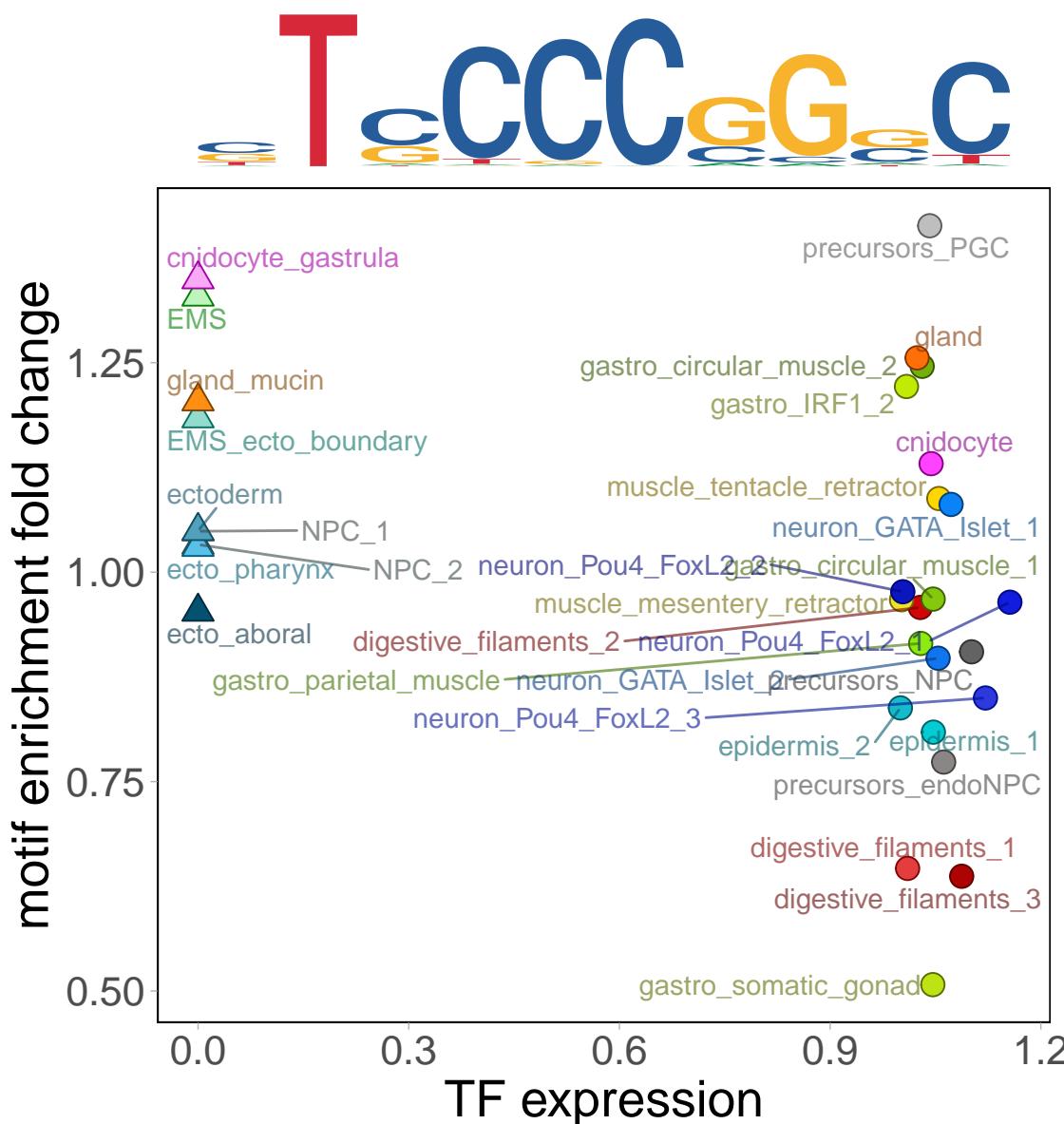
Nvec\_vc1.1\_XM\_048727075.1  
OG: Homeodomains.HG2.12:ESX1  
PFAM: Homeodomain  
motif: ARCH121\_Nfya\_Pbx4/Pbx2/Pbx1  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 6  
gene expression correlation: -0.2695  
gene score correlation: 0.1458



Nvec\_vc1.1\_XM\_048727123.1  
OG: Myb.HG1.9:NCOR1/NCOR2  
PFAM: GPS2\_interact/Myb\_DNA-bindin  
motif: ARCH646\_Msantd4/Mypop\_Terf2  
TF family: Myb  
archetype family: Myb  
CisBP assigned: FALSE  
rank: 899  
gene expression correlation: 0.2922  
gene score correlation: 0.0966



Nvec\_vc1.1\_XM\_048727543.1  
OG: Homeodomains.HG2.17:like:RHOX  
PFAM: PAX/Homeodomain  
motif: ARCH8\_Pax5/Pax8/Pax2  
TF family: Pax/Homeodomain  
archetype family: Pax/Homeodomain  
CisBP assigned: FALSE  
rank: 67  
gene expression correlation: -0.3869  
gene score correlation: 0.1530



Nvec\_vc1.1\_XM\_048727600.1

OG: Myb.HG2.3:NA

PFAM: MADF\_DNA\_bdg

motif: M06395\_2.00

TF family: Myb

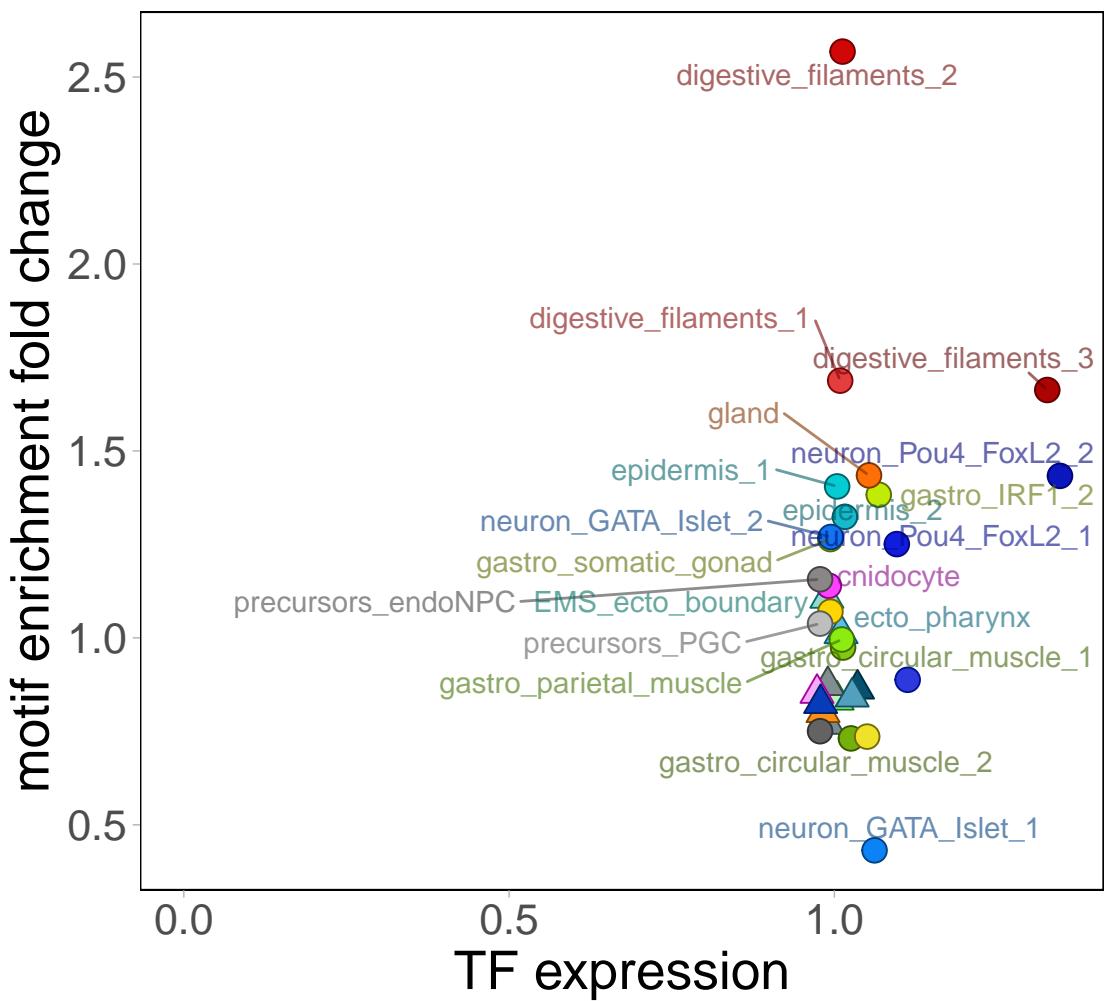
archetype family: Myb

CisBP assigned: FALSE

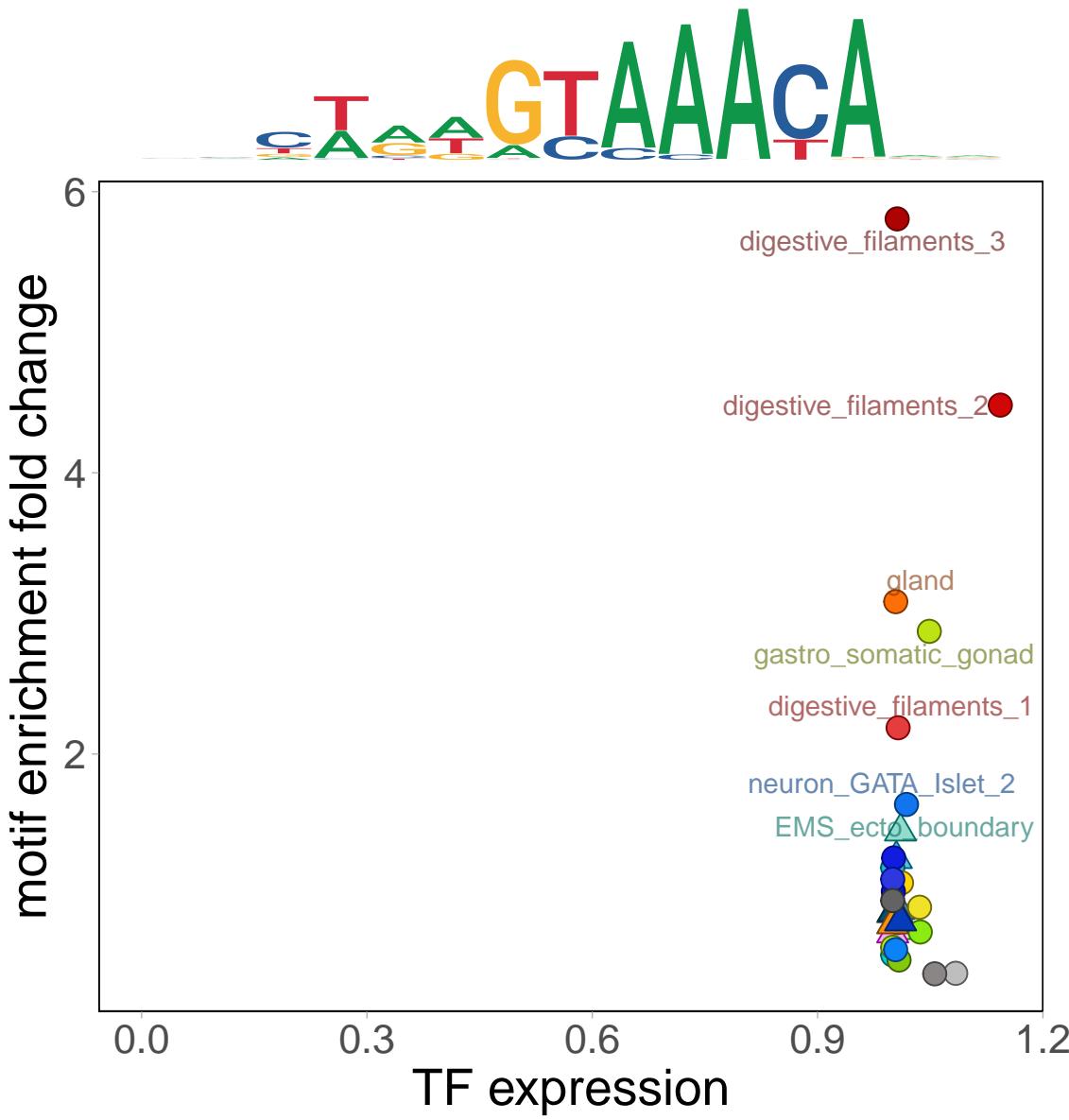
rank: 0

gene expression correlation: 0.2730

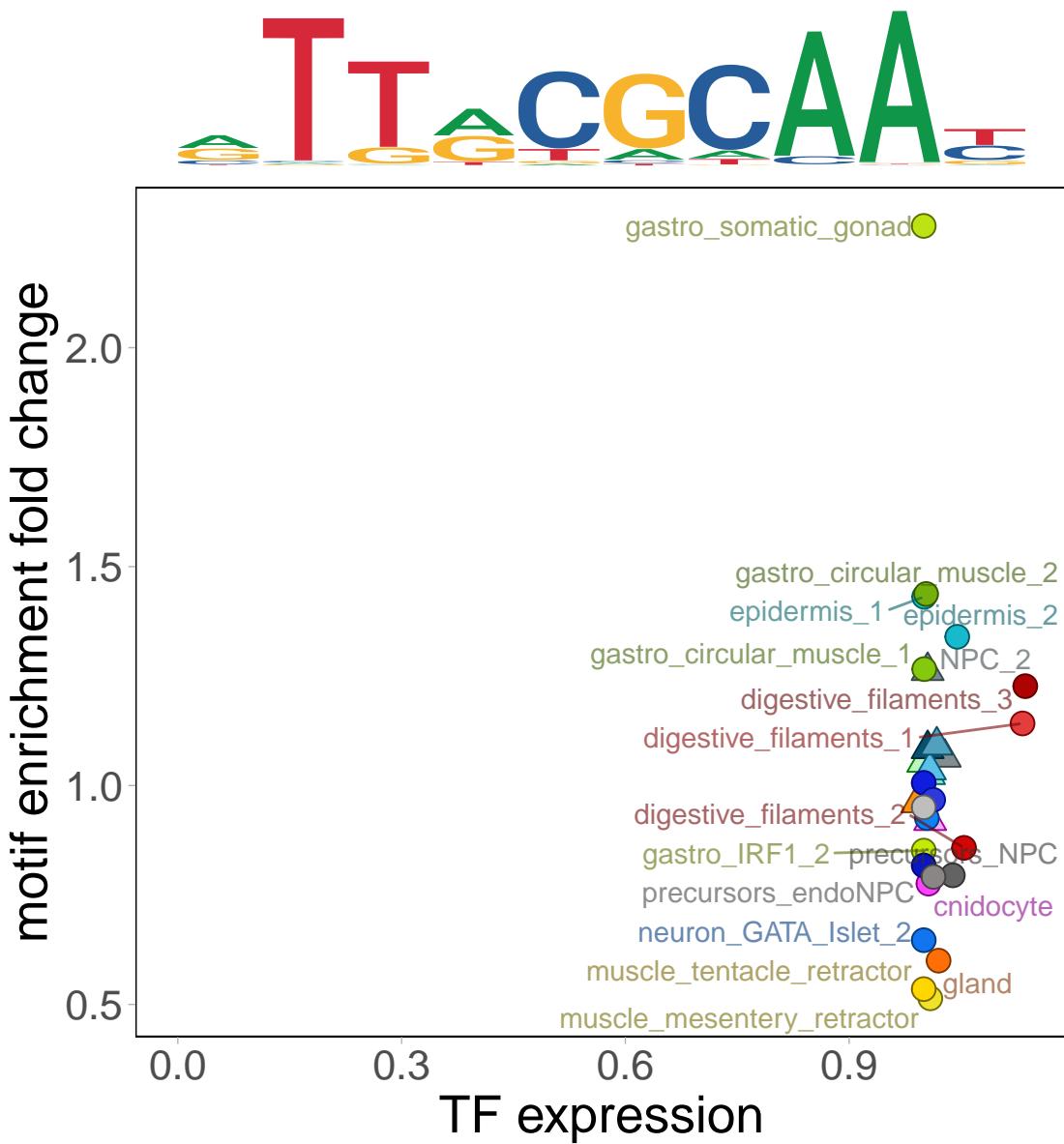
gene score correlation: -0.0233



Nvec\_vc1.1\_XM\_048728051.1  
OG: Forkhead.HG1.1:FOXA1/FOXA2/F  
PFAM: Forkhead  
motif: M07960\_2.00  
TF family: Forkhead  
archetype family: Forkhead  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.3346  
gene score correlation: 0.0242



Nvec\_vc1.1\_XM\_048728399.1  
OG: bZIP.HG2.5:CEBPA/CEBPB/CEBP  
PFAM: bZIP\_2  
motif: ARCH1224\_Cebpd/Cebpe/Cebpa  
TF family: bZIP  
archetype family: bZIP  
CisBP assigned: TRUE  
rank: 780  
gene expression correlation: 0.0830  
gene score correlation: -0.0935



Nvec\_vc1.1\_XM\_048728853.1

OG: Homeodomains.HG1.24:like:HHEX

PFAM: Homeodomain

motif: ARCH1336\_Alx3/Alx4/Alx1\_Bar...

TF family: Homeodomains

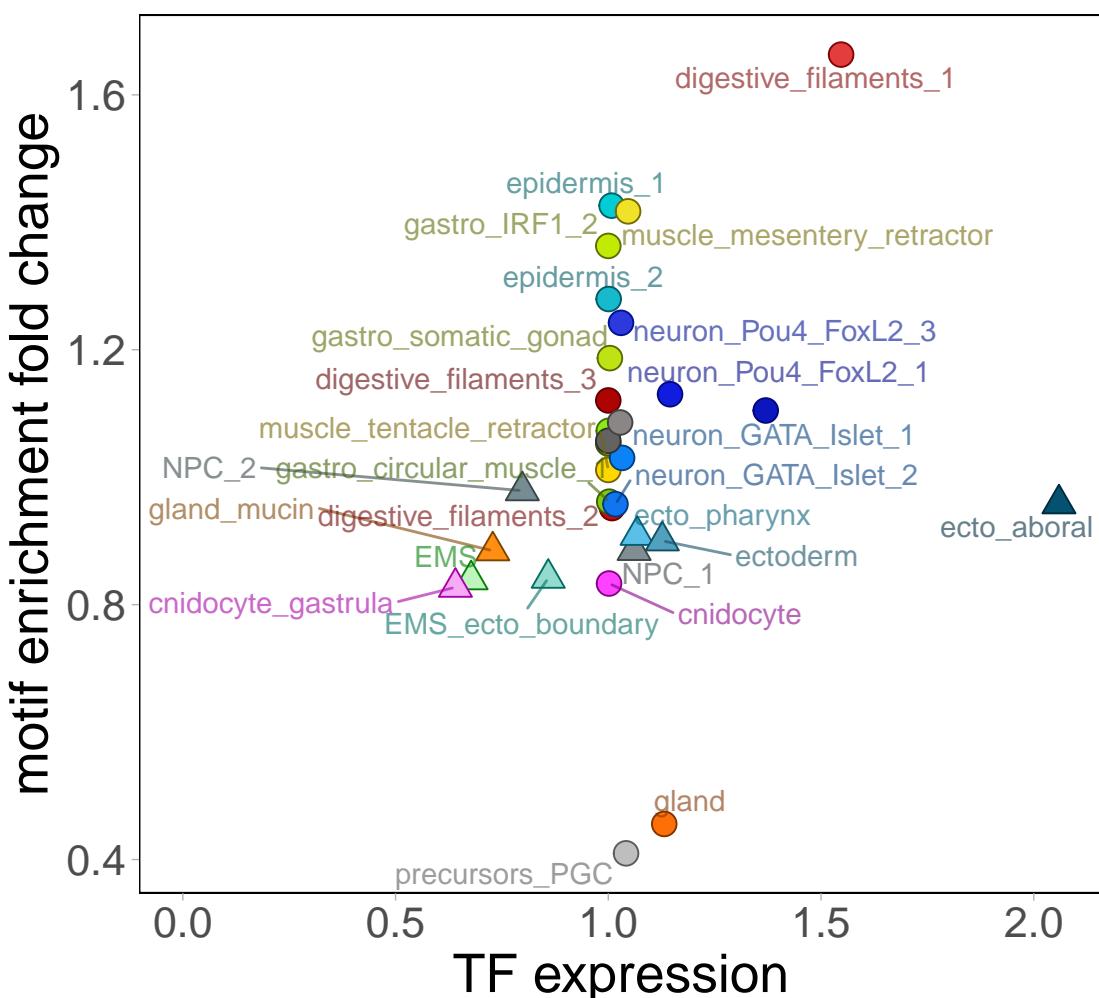
archetype family: Homeodomains

CisBP assigned: TRUE

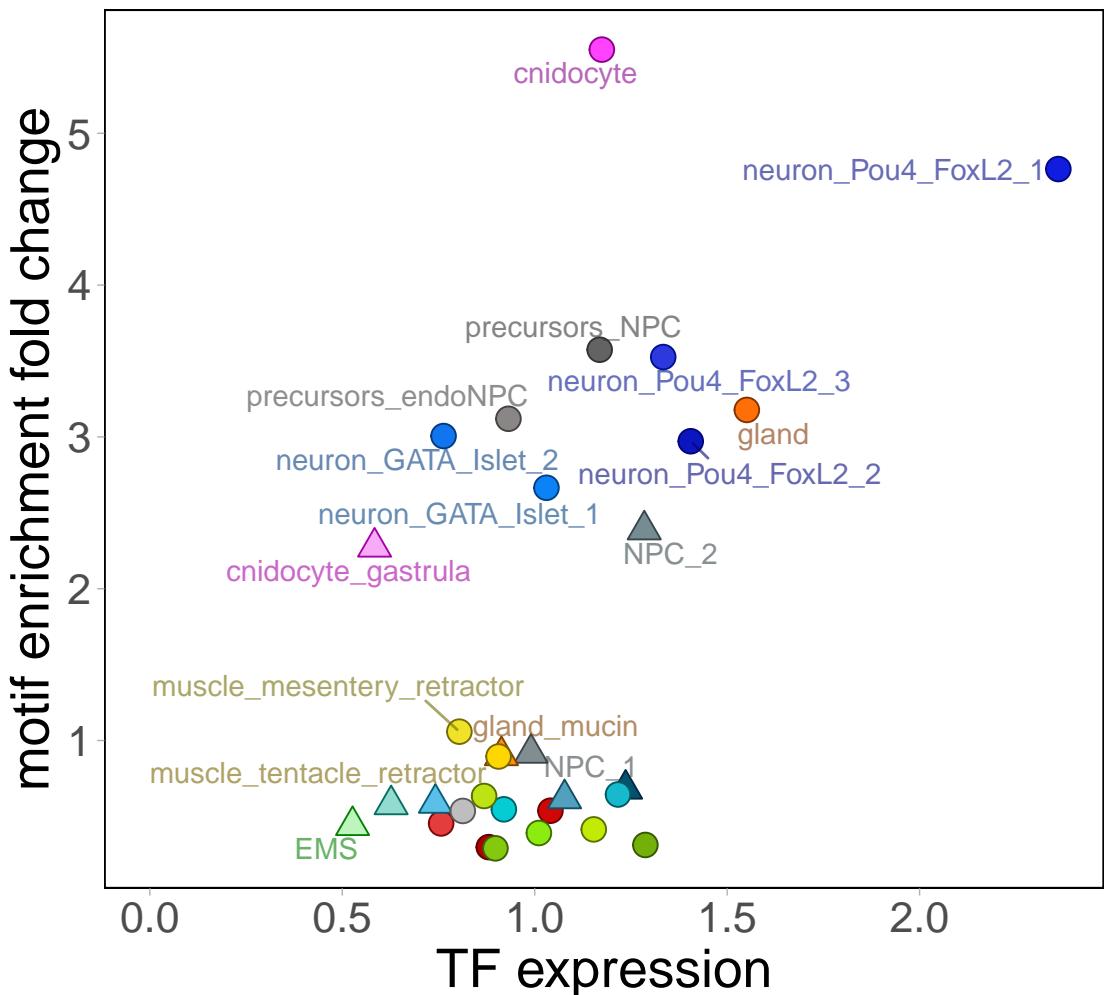
rank: 8

gene expression correlation: 0.2170

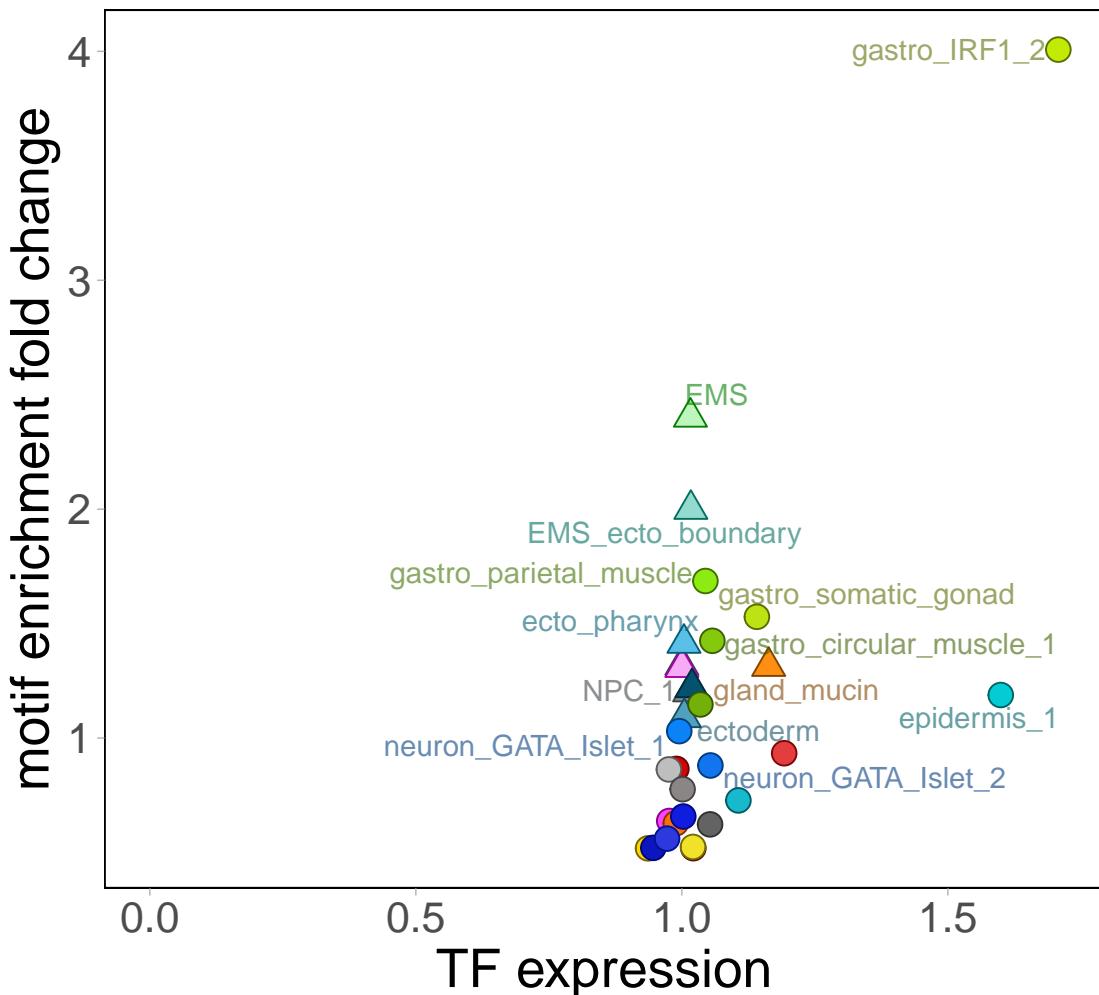
gene score correlation: 0.4720



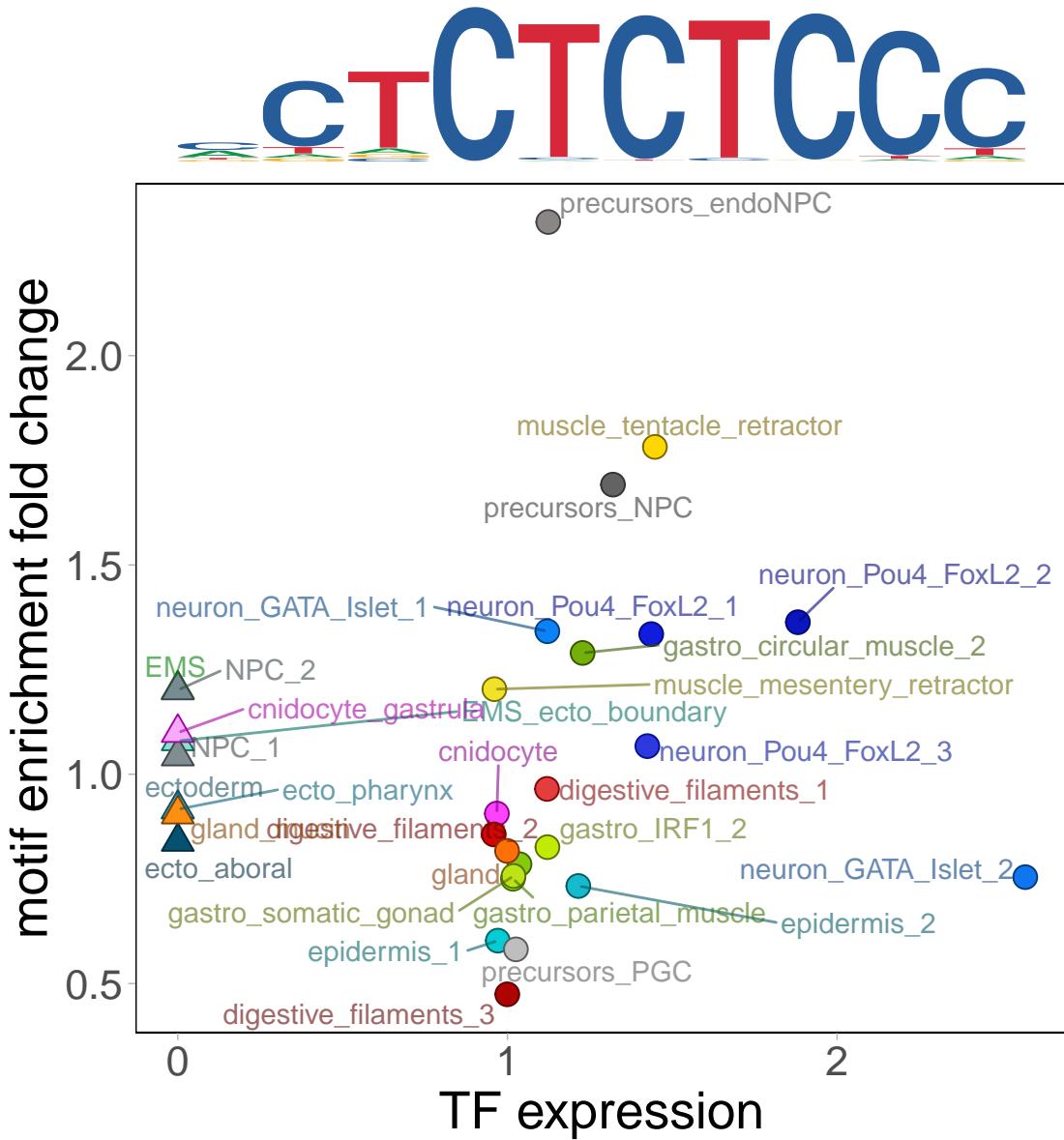
Nvec\_vc1.1\_XM\_048728967.1  
OG: HLH.HG1.29:MYC/MYCL/MYCN  
PFAM: HLH/HLH  
motif: ARCH867\_ZEB1\_\_PL0011.1\_hlh  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 3  
gene expression correlation: 0.5387  
gene score correlation: 0.8049



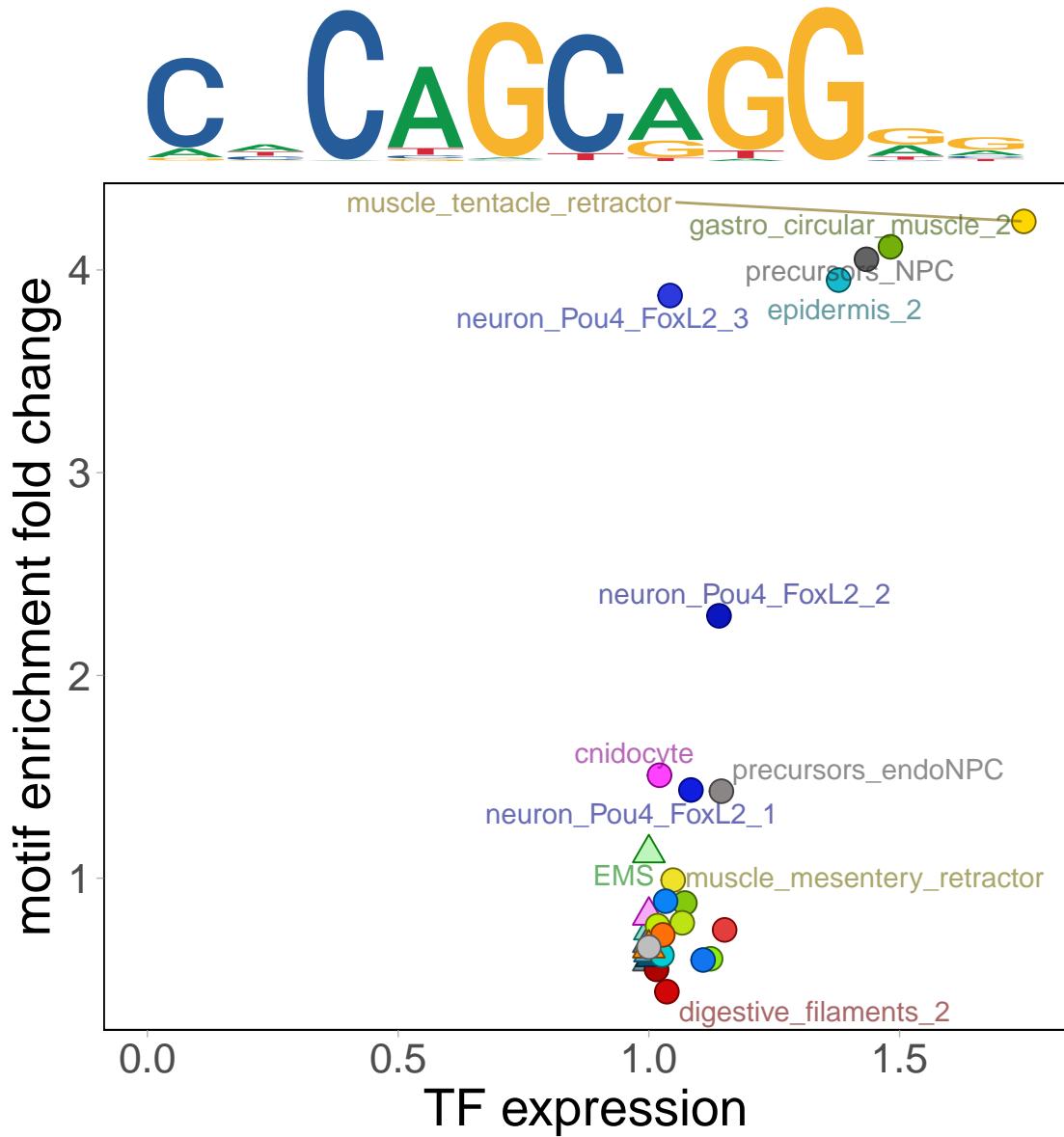
Nvec\_vc1.1\_XM\_048729186.1  
OG: Ets.HG1.9:AC020909.1/SPI1/SPIB  
PFAM: Ets  
motif: ARCH587\_Elf3/Ehf/Elf5\_Erg/F...  
TF family: Ets  
archetype family: Ets  
CisBP assigned: FALSE  
rank: 4  
gene expression correlation: 0.6169  
gene score correlation: 0.5956



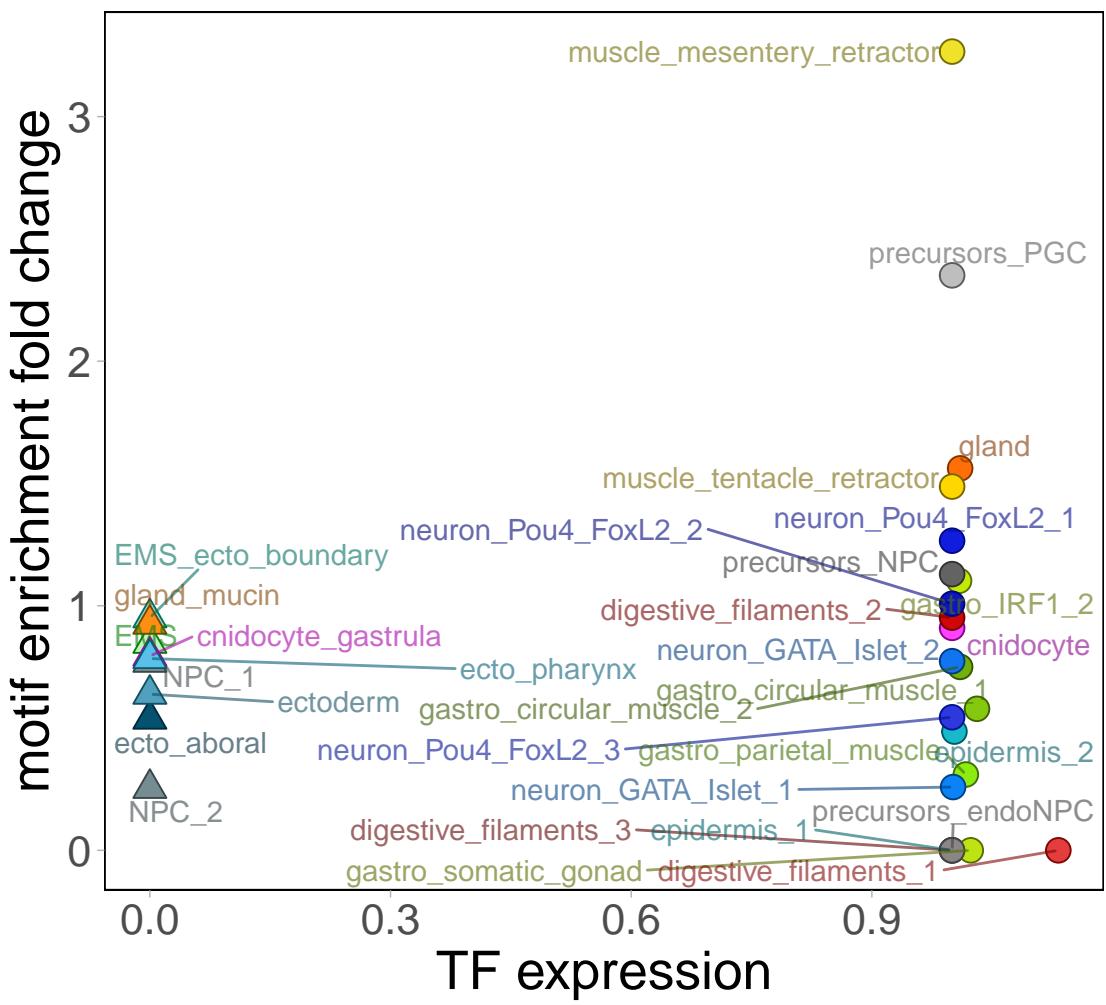
Nvec\_vc1.1\_XM\_048729481.1  
OG: zf-C2H2.HG4.3:like:ZIC1/ZIC2/ZIC  
PFAM: zf\_ZIC/zf-C2H2/zf-C2H2  
motif: ARCH497\_M03679\_2.00  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 56  
gene expression correlation: 0.1119  
gene score correlation: 0.3830



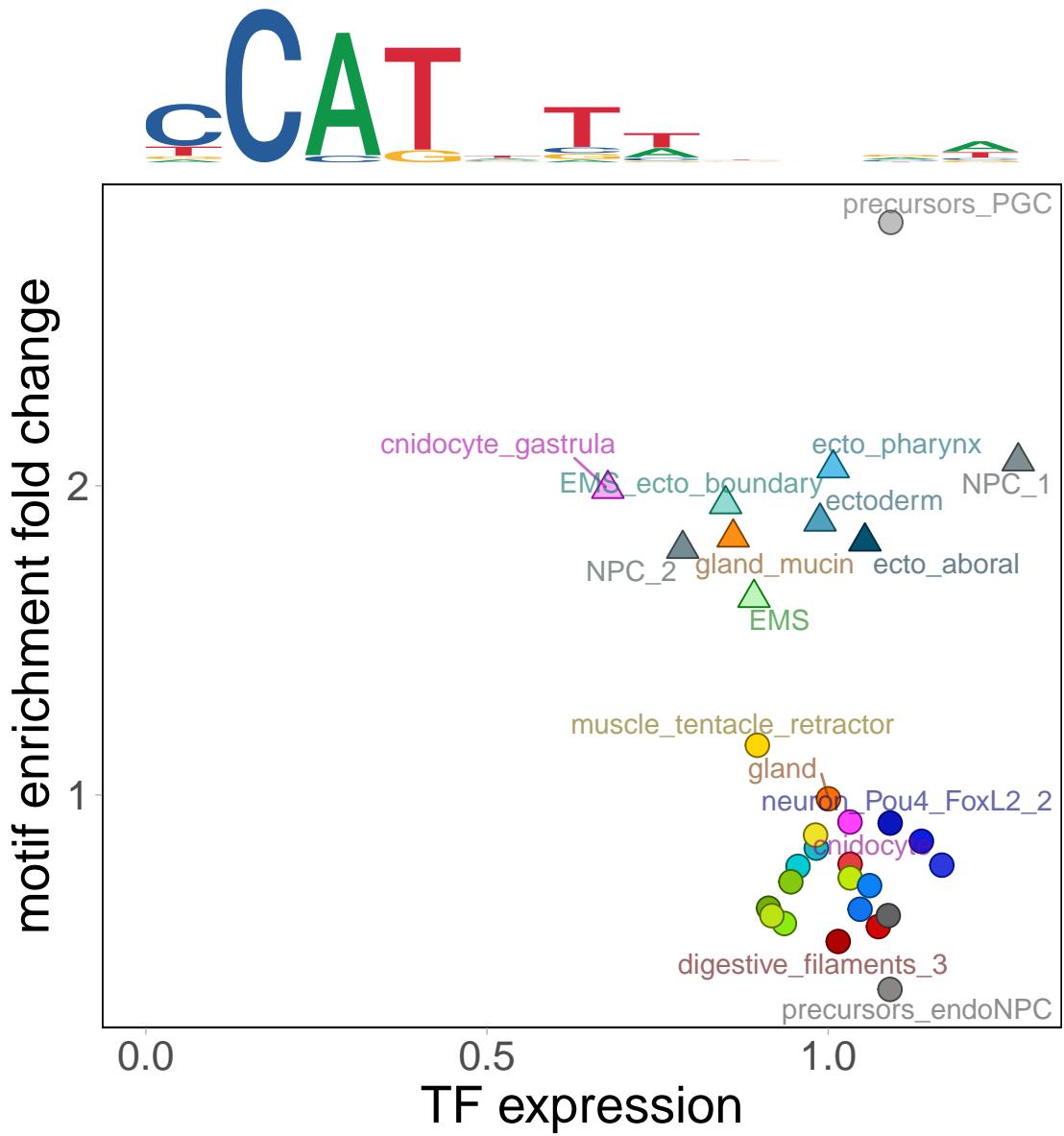
Nvec\_vc1.1\_XM\_048729483.1  
OG: zf-C2H2.HG4.4:like:ZIC1/ZIC2/ZIC  
PFAM: zf\_ZIC/zf-C2H2/zf-C2H2  
motif: ARCH521\_Zic2\_\_Unknown-ESC  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 1  
gene expression correlation: 0.8237  
gene score correlation: 0.9067



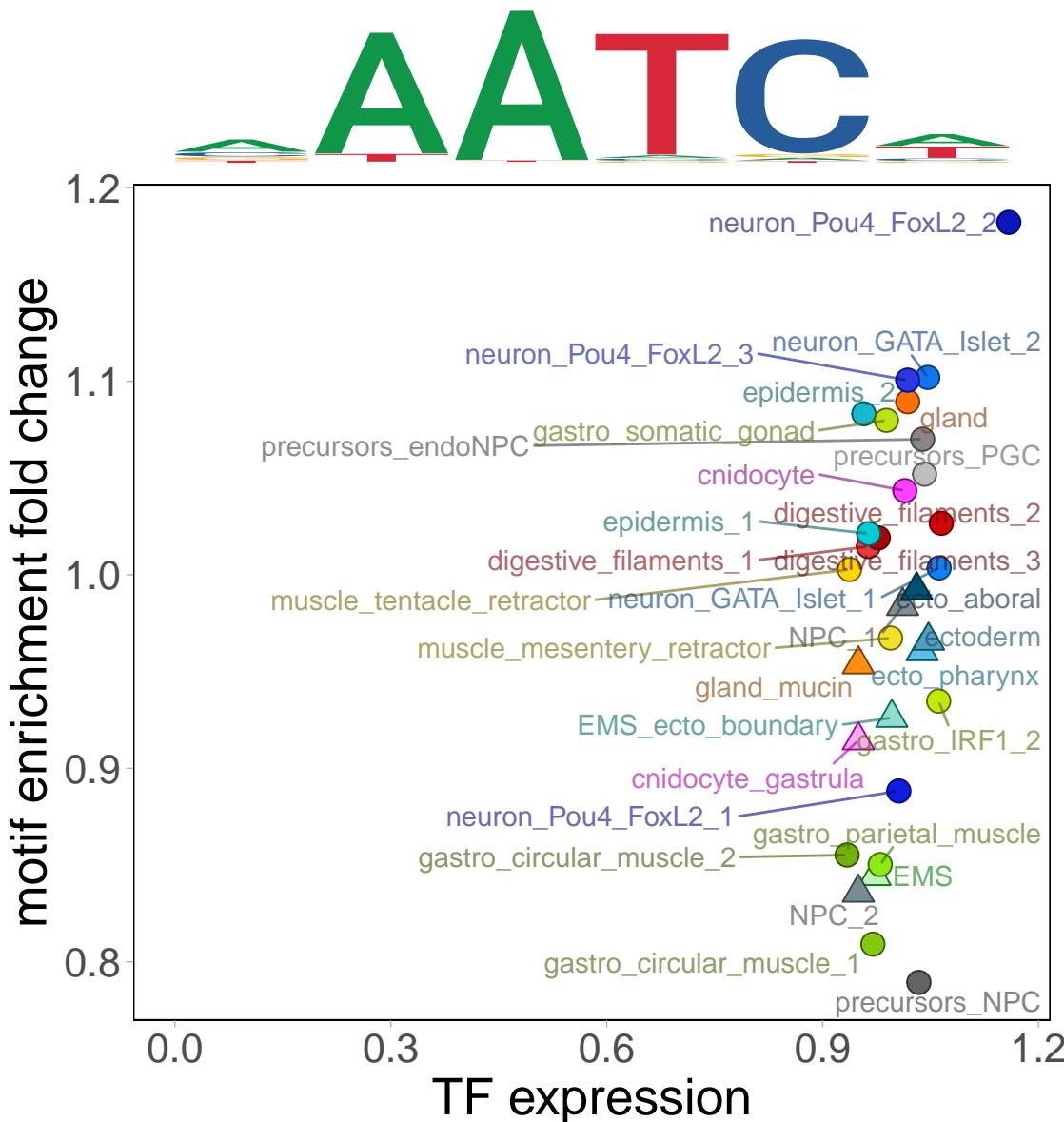
Nvec\_vc1.1\_XM\_048729727.1  
OG: THAP\_finger.HG1.0:AC073612.1/T  
PFAM: THAP  
motif: ARCH1246\_THAP1  
TF family: THAP\_finger  
archetype family: THAP\_finger  
CisBP assigned: FALSE  
rank: 197  
gene expression correlation: 0.0713  
gene score correlation: -0.0900



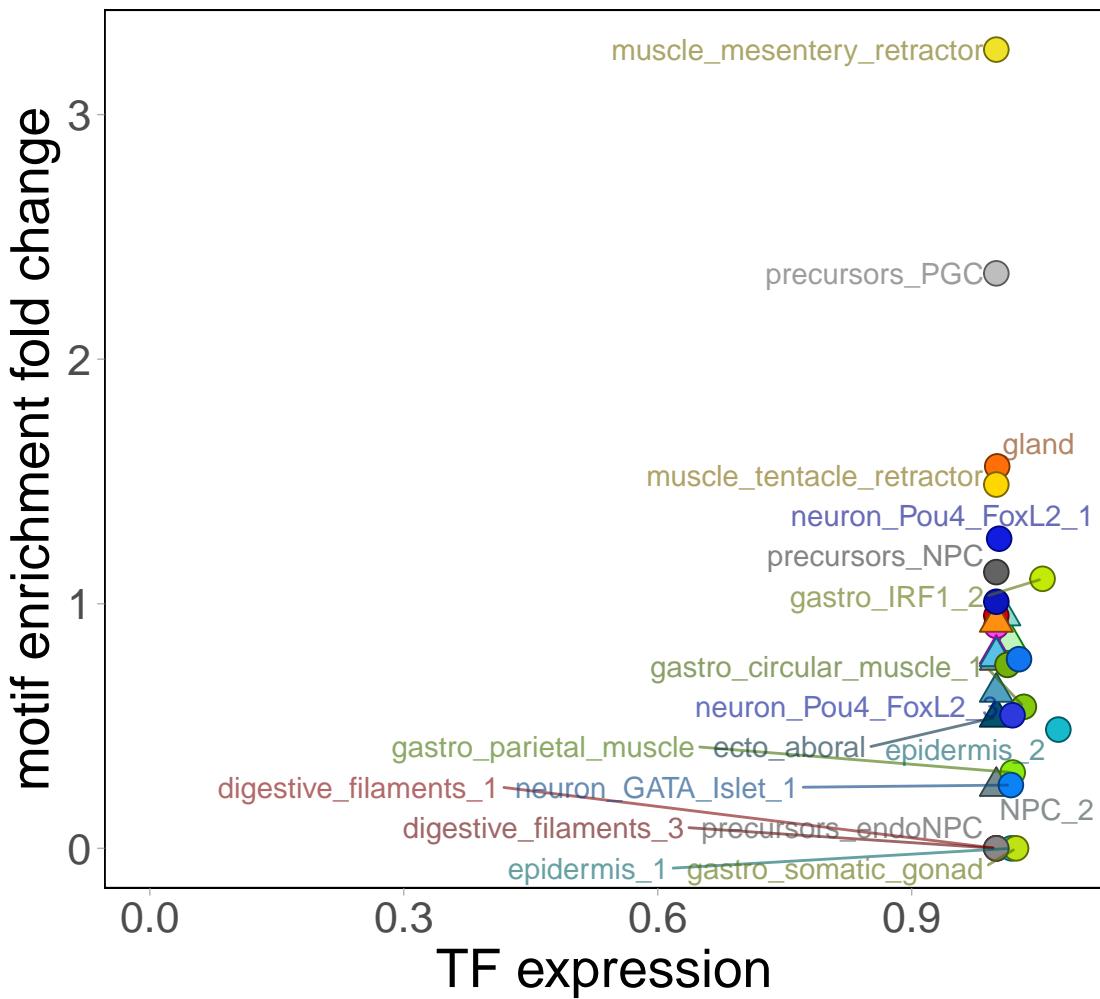
Nvec\_vc1.1\_XM\_048729815.1  
OG: zf-C2H2.HG3.36:YY1/YY2/ZFP42  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH1311\_Yy1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: TRUE  
rank: 16  
gene expression correlation: -0.1924  
gene score correlation: 0.2780



Nvec\_vc1.1\_XM\_048730021.1  
OG: zf-C2H2.HG2.4:MTF1/ZNF76/ZNF  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C  
motif: ARCH1200\_Zfp760/Zfp770  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 224  
gene expression correlation: 0.4526  
gene score correlation: 0.3892



Nvec\_vc1.1\_XM\_048730025.1  
OG: THAP\_finger.HG1.0:AC073612.1/T  
PFAM: THAP  
motif: ARCH1246\_THAP1  
TF family: THAP\_finger  
archetype family: THAP\_finger  
CisBP assigned: FALSE  
rank: 109  
gene expression correlation: -0.1986  
gene score correlation: -0.0711



Nvec\_vc1.1\_XM\_048730169.1

OG: Myb.HG1.11:MIS18BP1

PFAM: SANTA/Myb\_DNA-binding

motif: ARCH1391\_MYB113

TF family: Myb

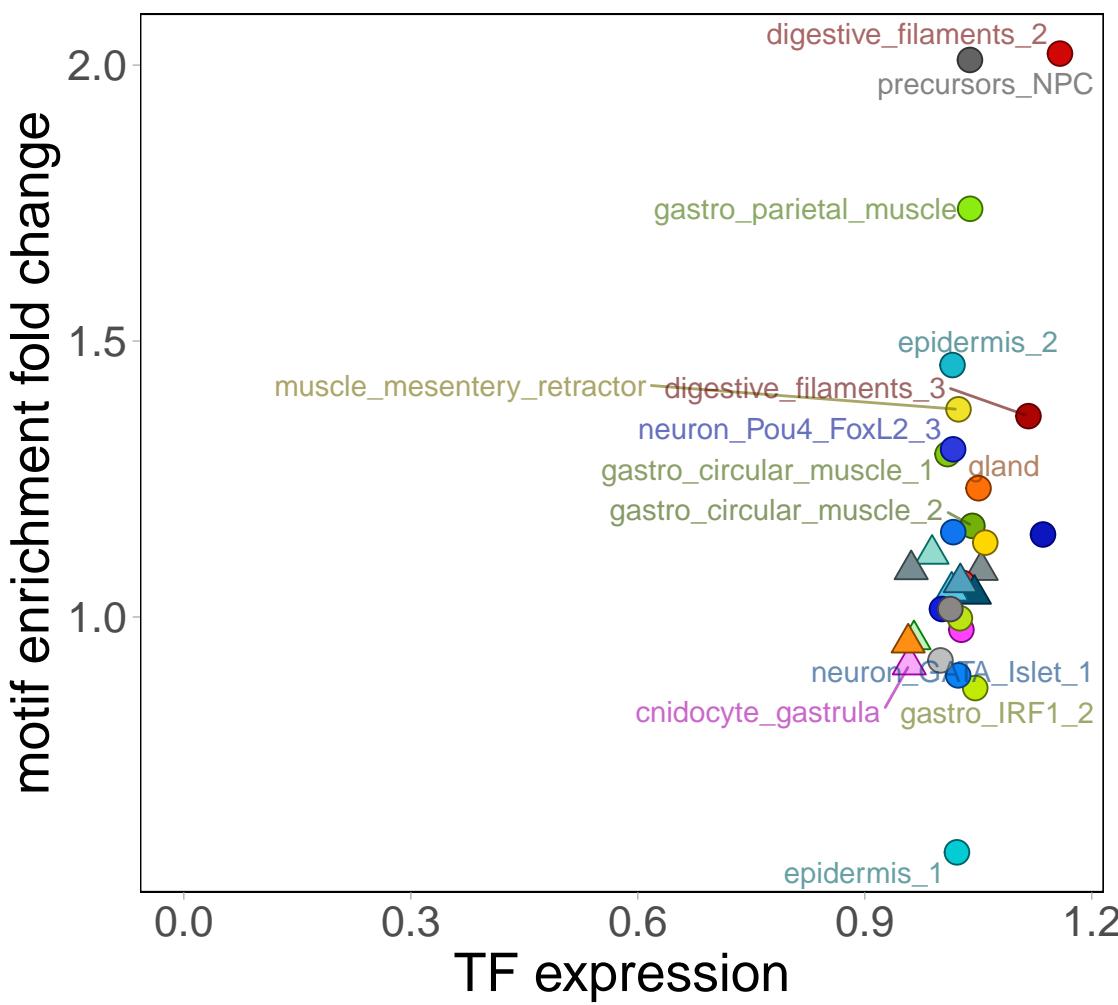
archetype family: Myb

CisBP assigned: FALSE

rank: 449

gene expression correlation: 0.4701

gene score correlation: 0.2737



Nvec\_vc1.1\_XM\_048730283.1

OG: bZIP.HG1.17:ATF3/JDP2

PFAM: bZIP\_1

motif: ARCH947\_Creb3I2/Creb3I1

TF family: bZIP

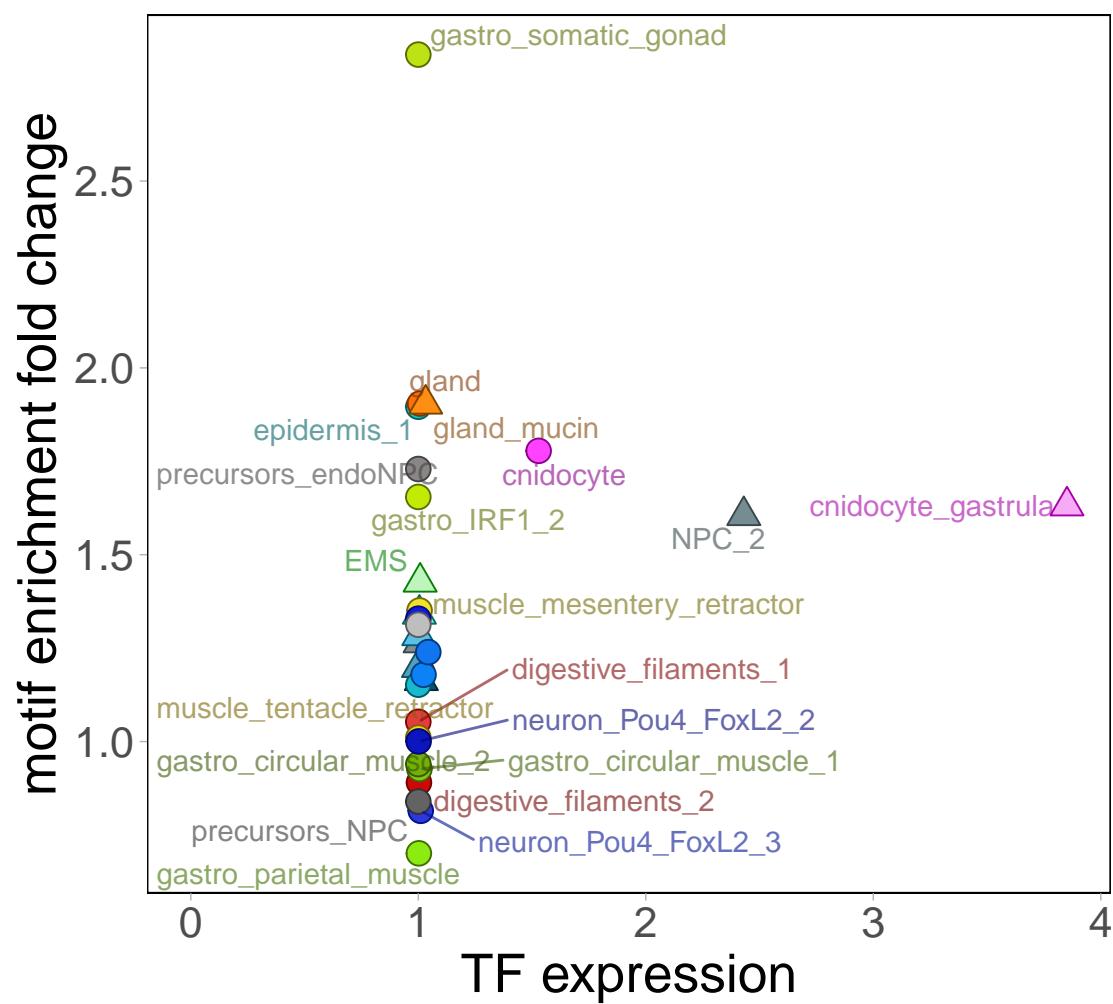
archetype family: bZIP

CisBP assigned: FALSE

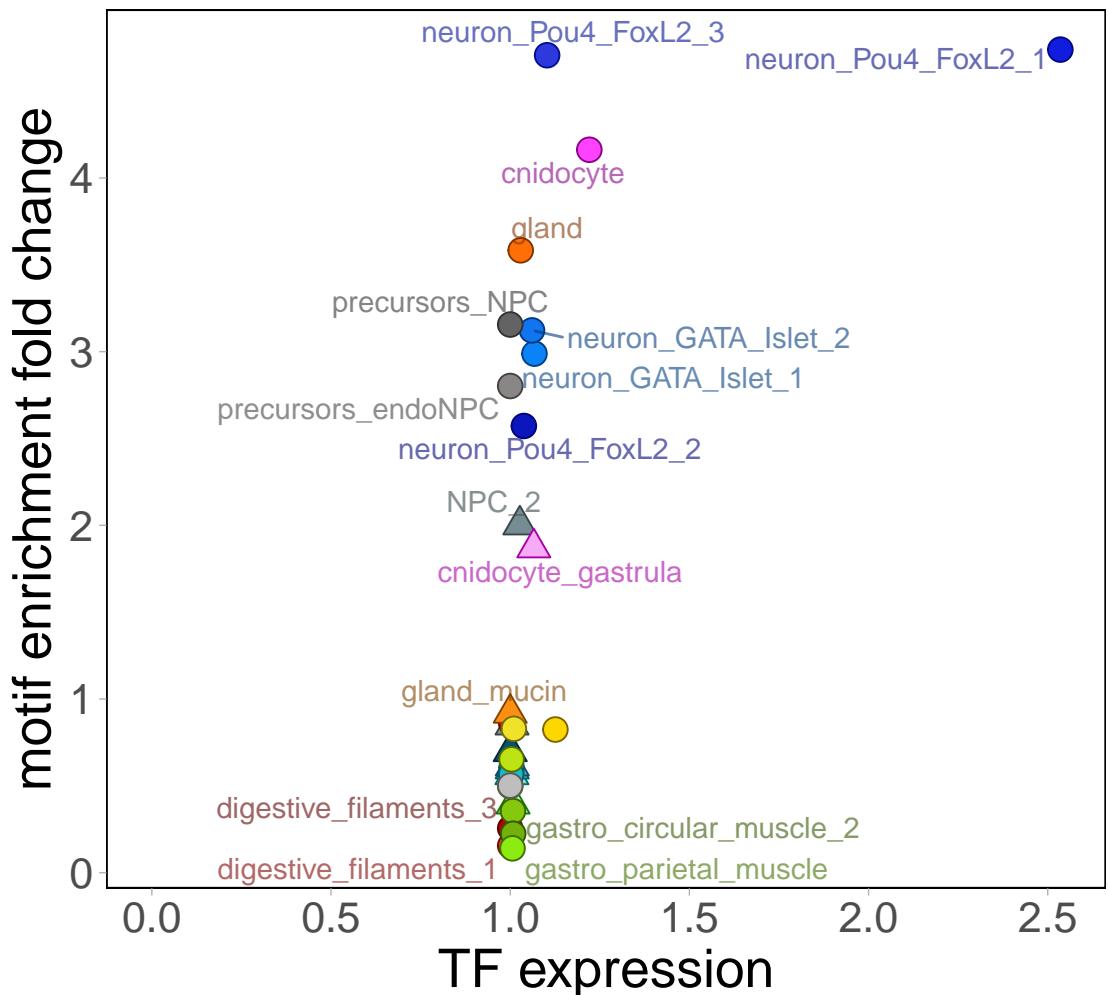
rank: 14

gene expression correlation: 0.1934

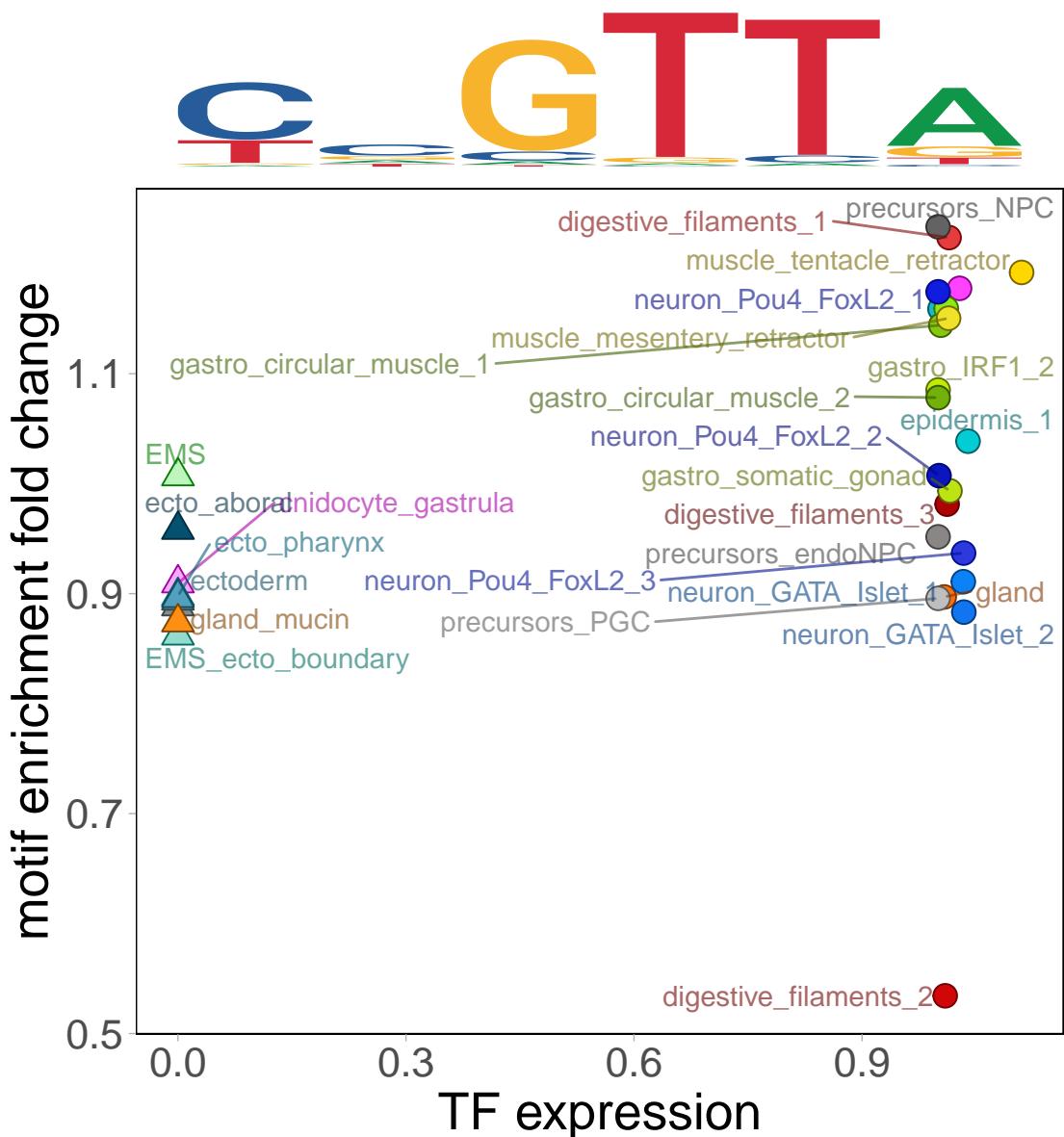
gene score correlation: 0.1714



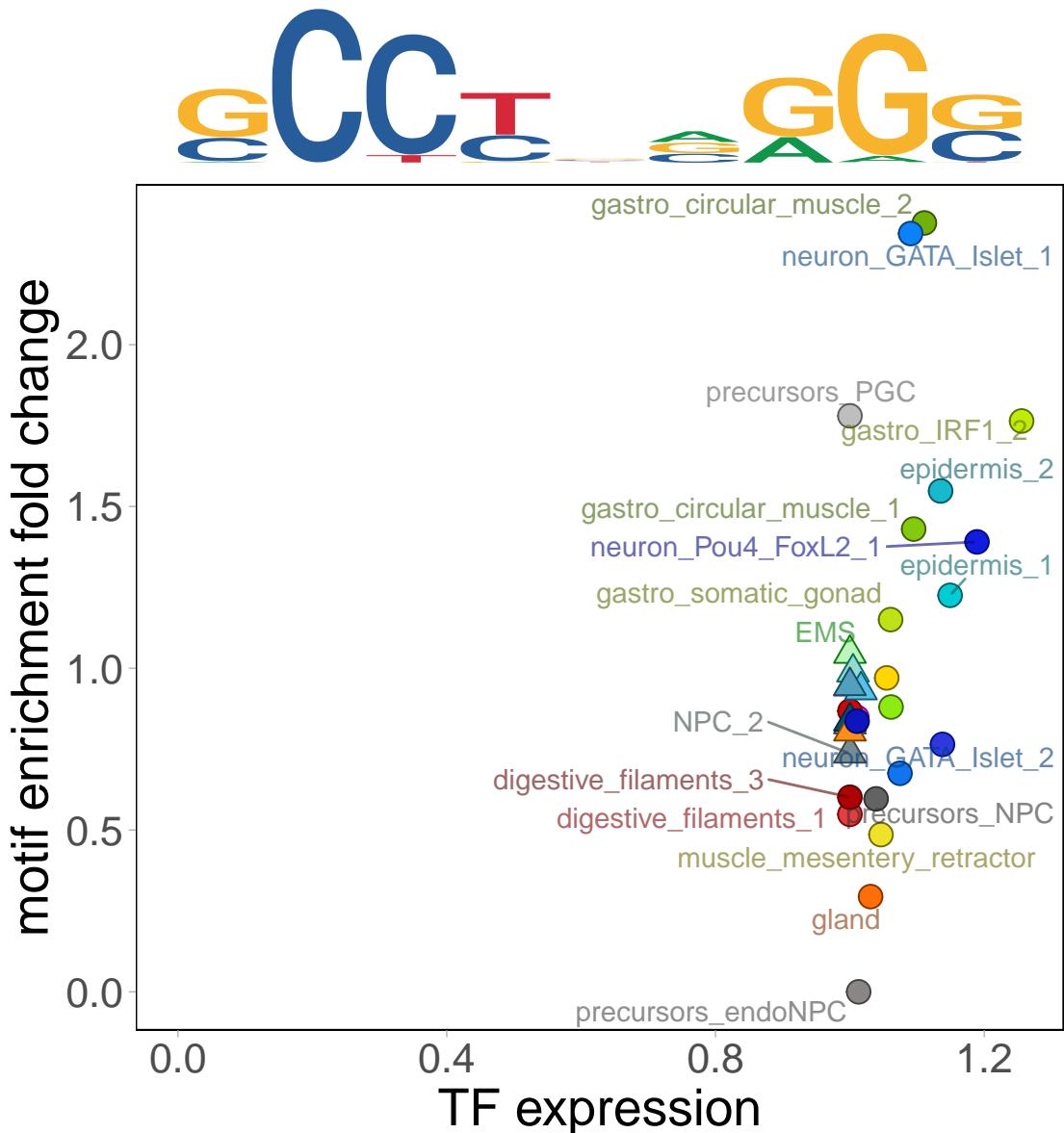
Nvec\_vc1.1\_XM\_048731064.1  
OG: zf-C2H2.HG87.0:NA  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH470\_Snai2  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 5  
gene expression correlation: 0.5099  
gene score correlation: 0.4499



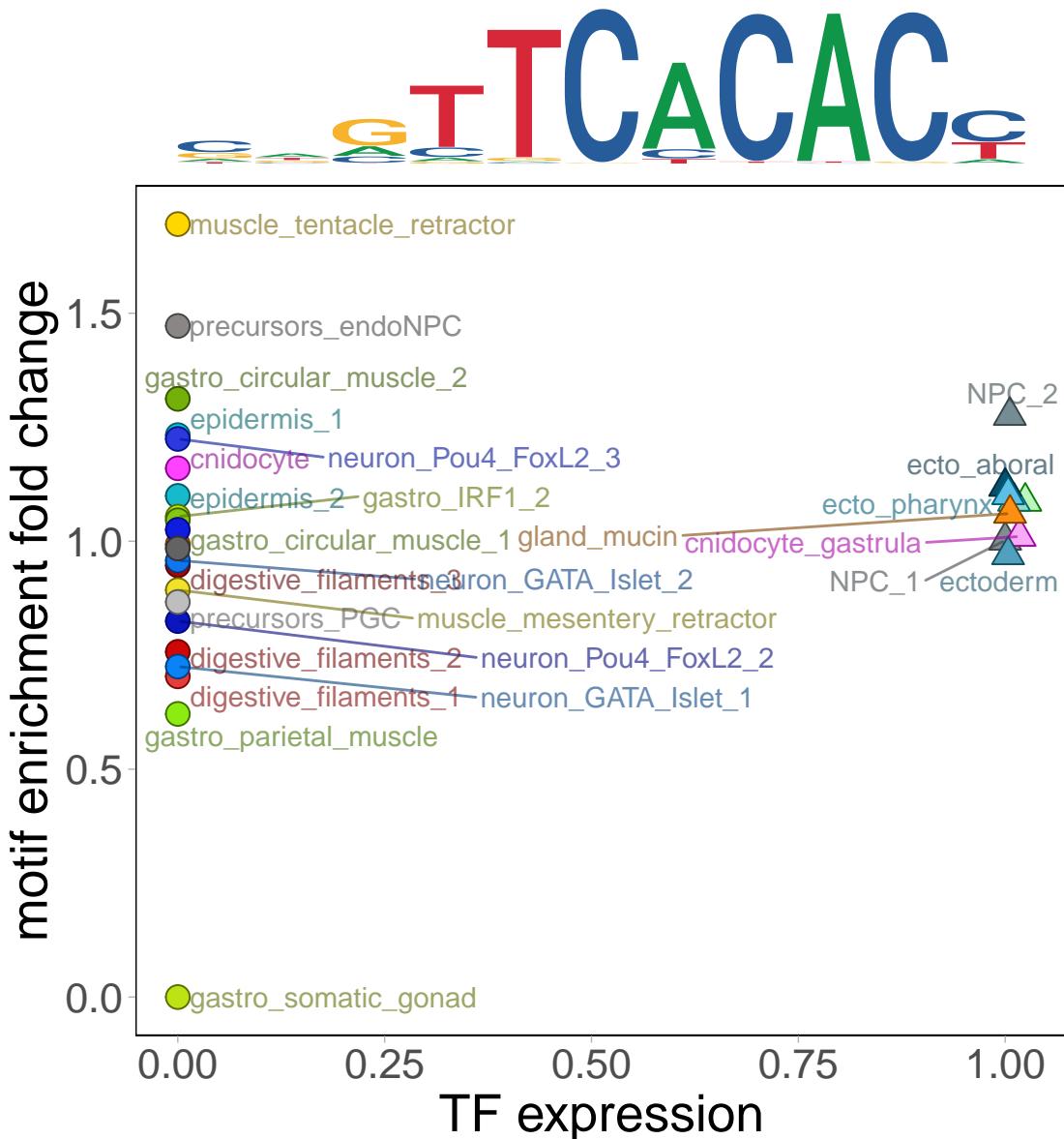
Nvec\_vc1.1\_XM\_048731081.1  
OG: Myb.HG1.21:like:MIER1/MIER2/MI  
PFAM: Myb\_DNA-binding  
motif: ARCH1387\_MYB105  
TF family: Myb  
archetype family: Myb  
CisBP assigned: FALSE  
rank: 189  
gene expression correlation: 0.3958  
gene score correlation: -0.3933



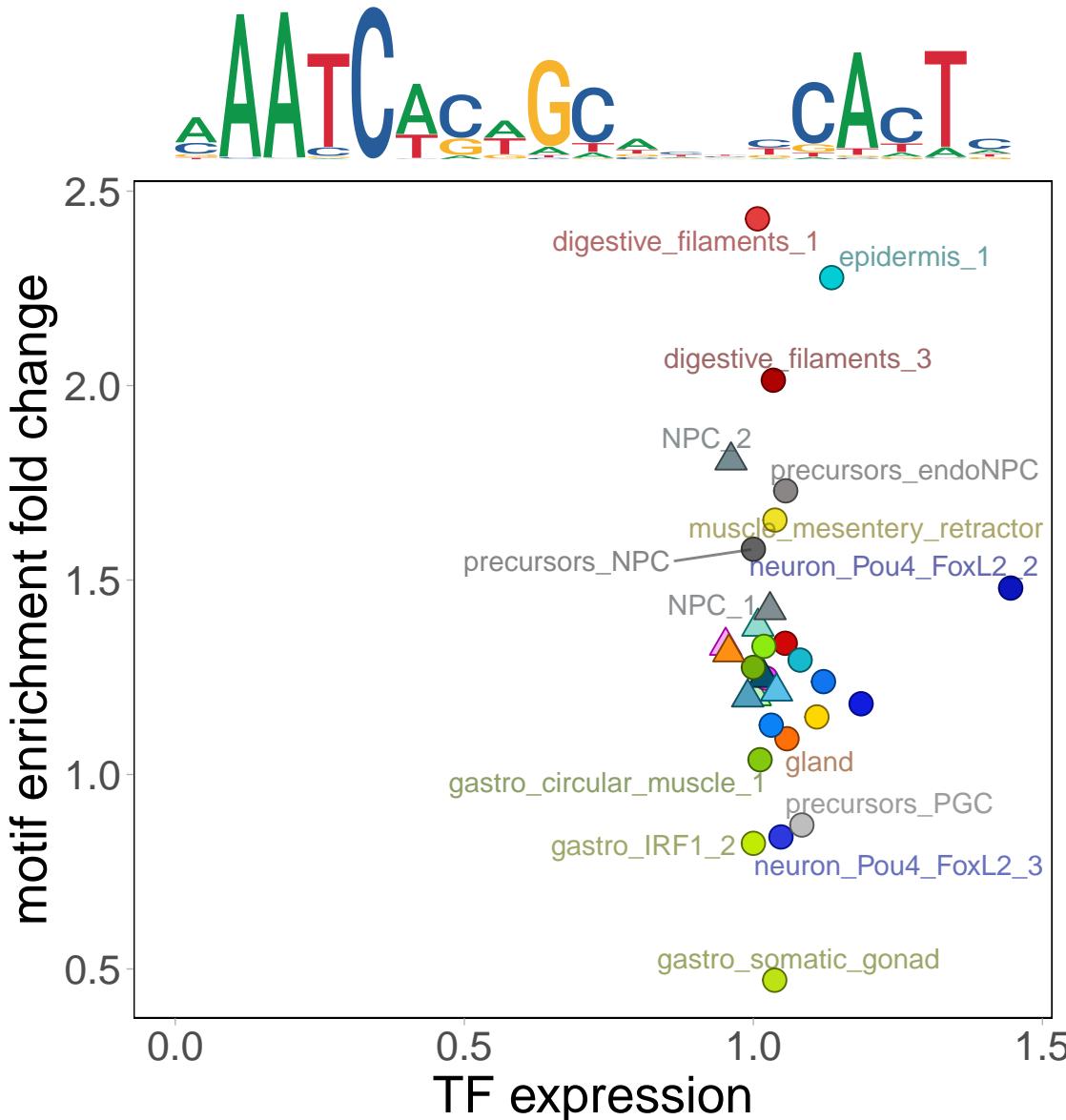
Nvec\_vc1.1\_XM\_048731339.1  
OG: AP-2.HG1.3:like:TFAP2A/TFAP2B  
PFAM: TF\_AP-2  
motif: ARCH387\_TFAP2E  
TF family: AP2  
archetype family: AP2  
CisBP assigned: FALSE  
rank: 3  
gene expression correlation: 0.5135  
gene score correlation: 0.7337



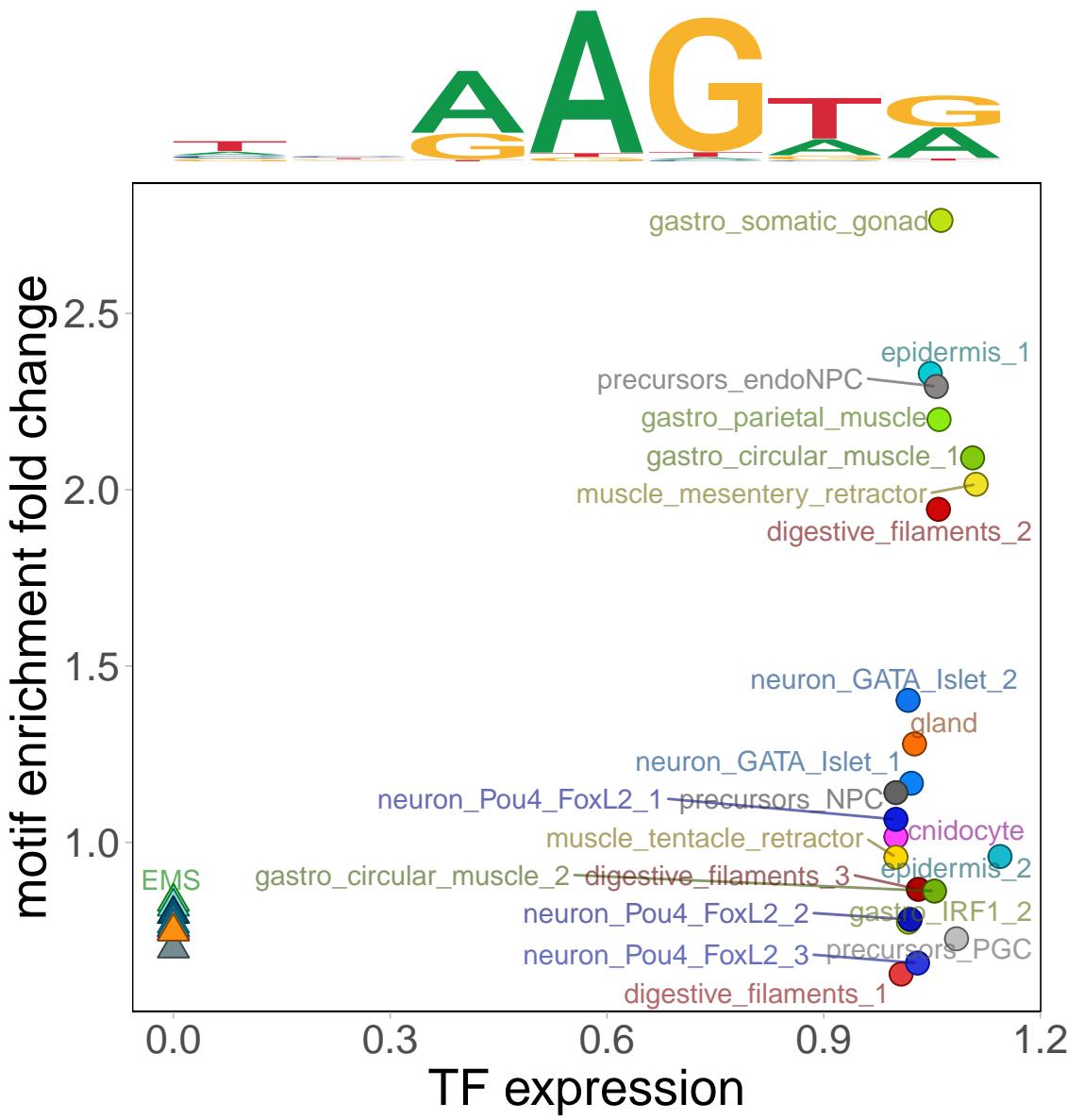
Nvec\_vc1.1\_XM\_048731616.1  
OG: zf-C2H2.HG17.1:HIC2  
PFAM: zf-C2H2/zf-C2H2\_11/zf-C2H2  
motif: ARCH836\_M08316\_2.00\_\_M089  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 41  
gene expression correlation: 0.1561  
gene score correlation: 0.1640



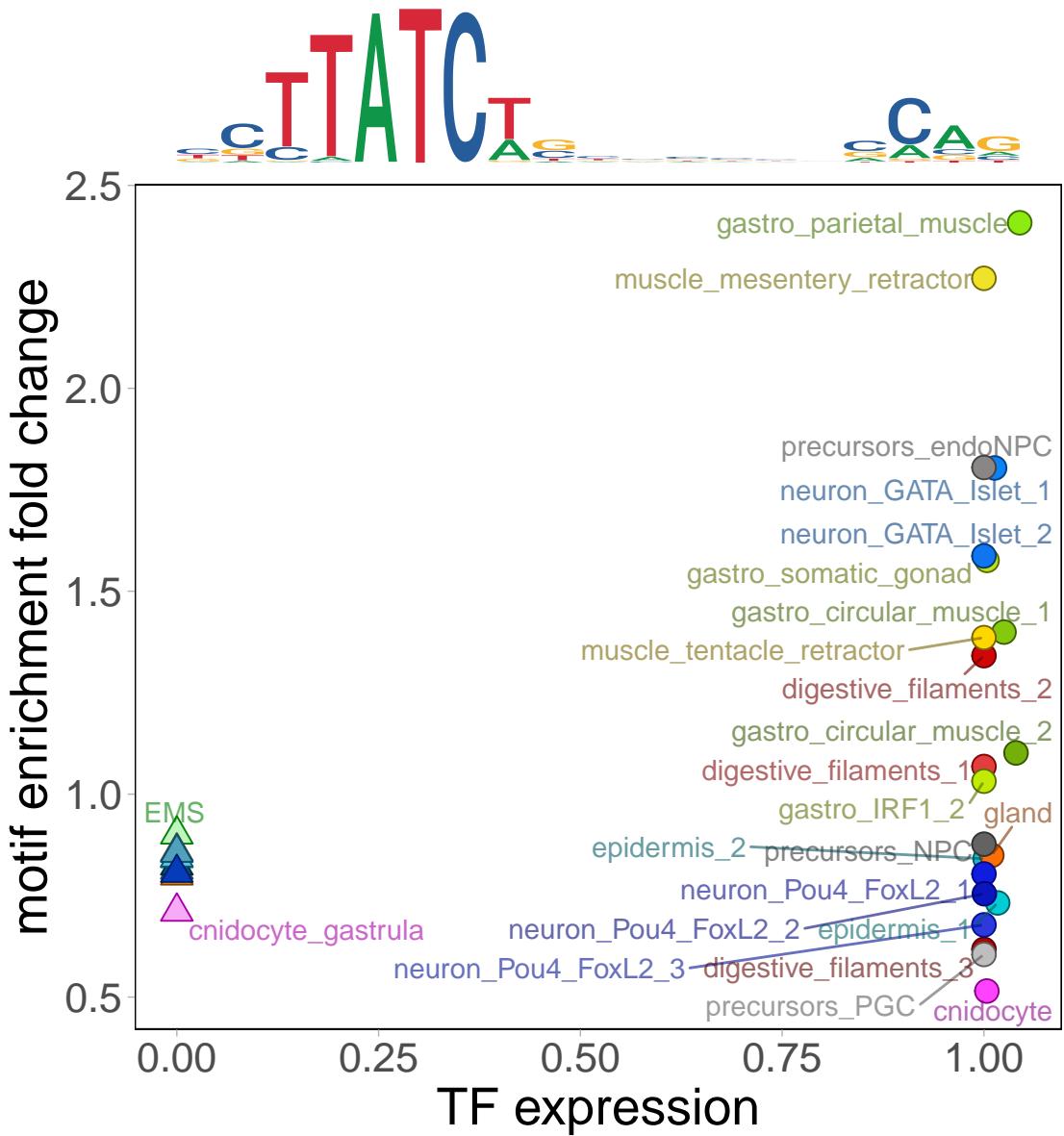
Nvec\_vc1.1\_XM\_048731647.1  
OG: zf-C2H2.HG36.2:ZNF425  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH1345\_Gfi1b/Gfi1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 56  
gene expression correlation: 0.0391  
gene score correlation: 0.0873



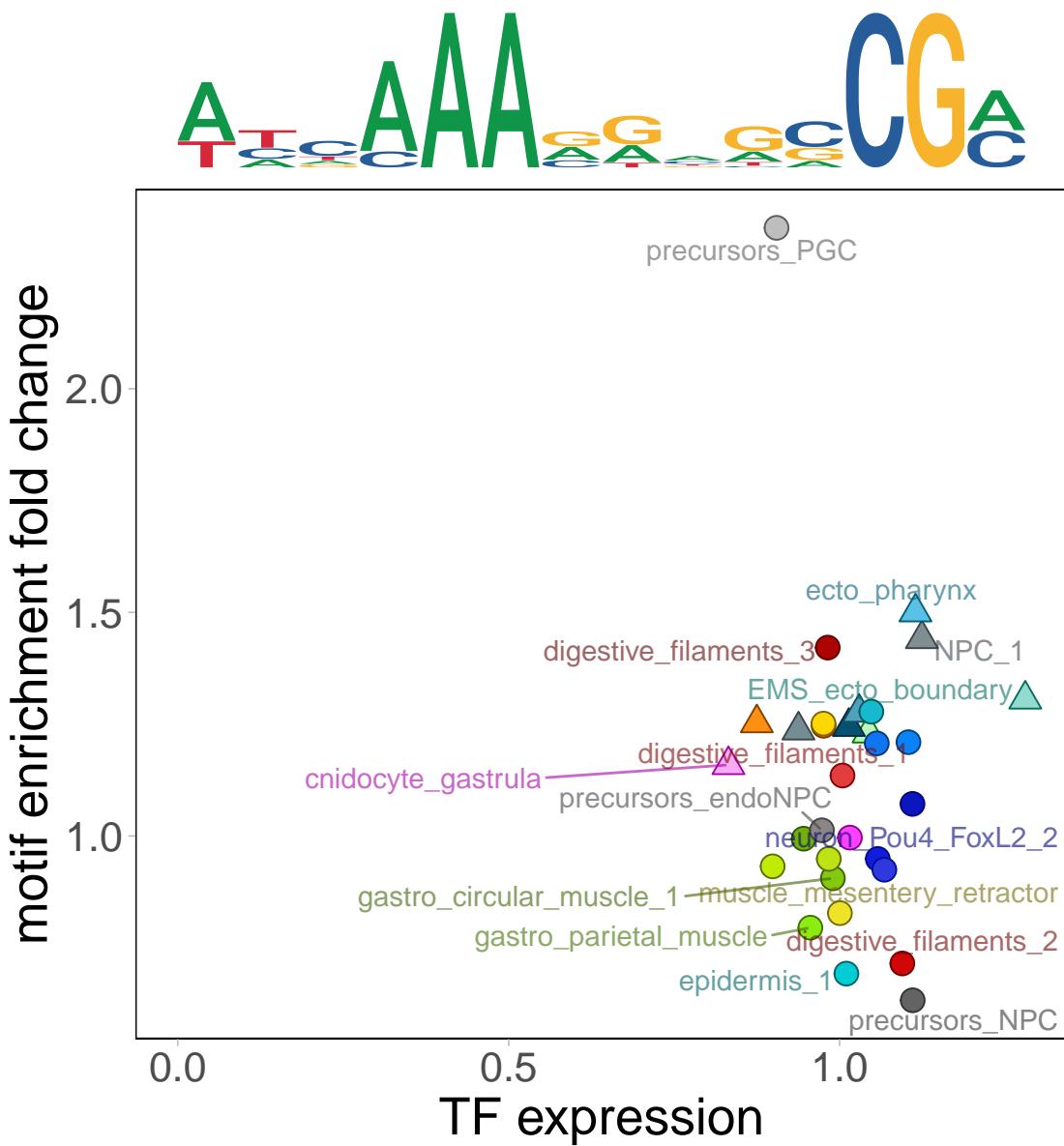
Nvec\_vc1.1\_XM\_048731755.1  
OG: Homeodomains.HG1.5:like:AC0040  
PFAM: Homeodomain  
motif: ARCH167\_Nanog  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 177  
gene expression correlation: 0.4676  
gene score correlation: 0.5069



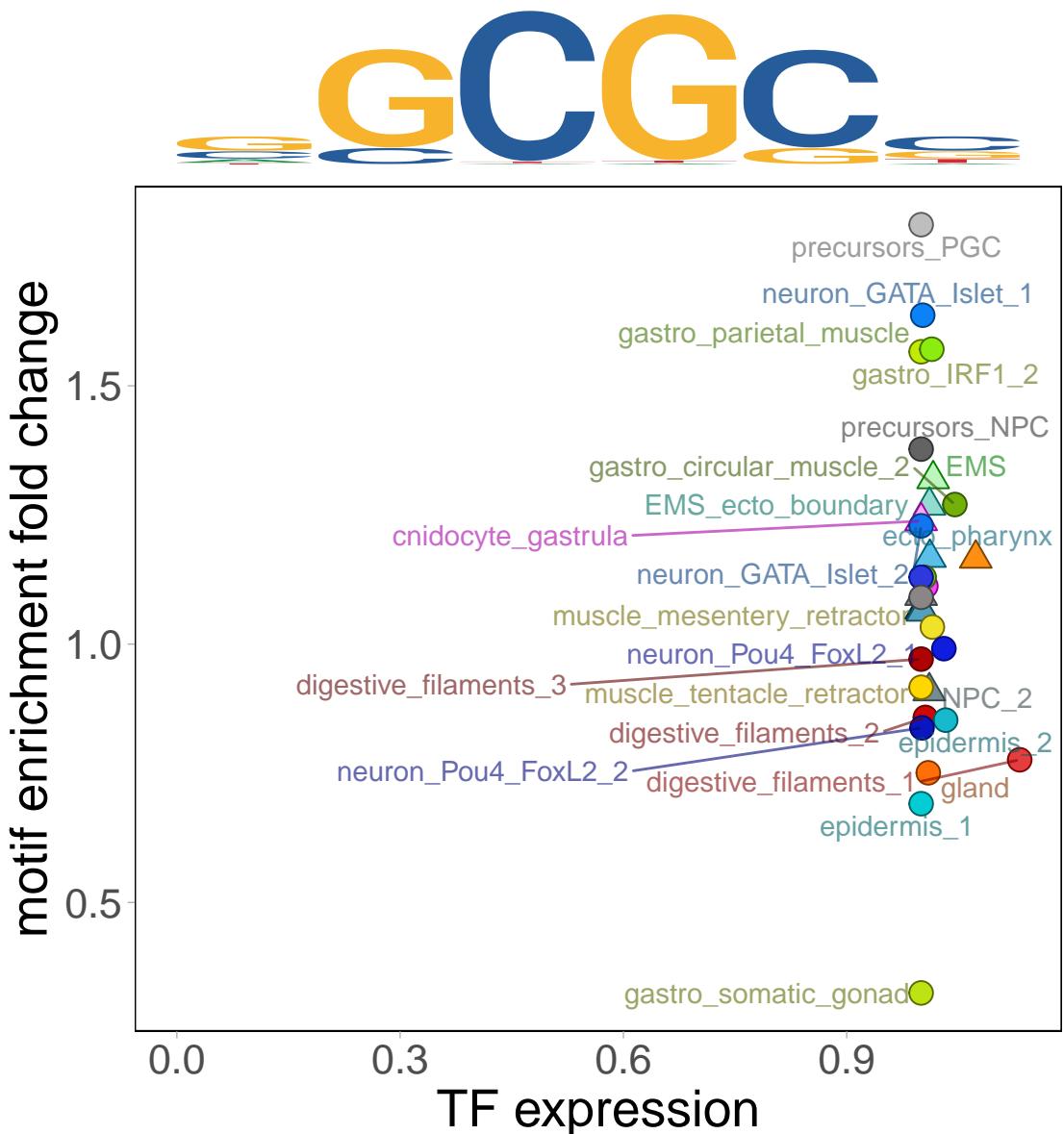
Nvec\_vc1.1\_XM\_048731942.1  
OG: HLH.HG1.87:LYL1/NHLH1/NHLH2/  
PFAM: HLH  
motif: M08734\_2.00  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.3614  
gene score correlation: 0.6215



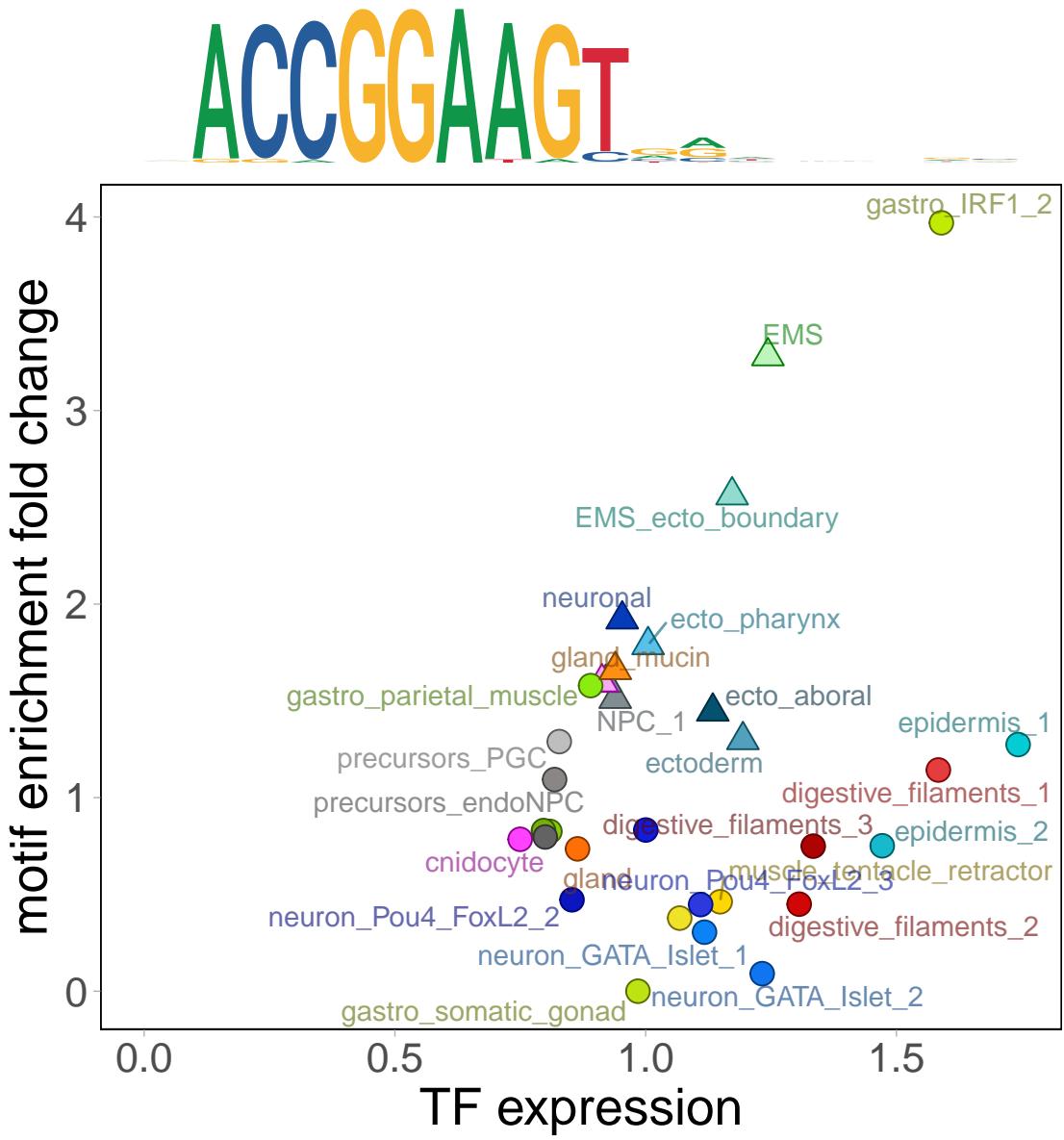
Nvec\_vc1.1\_XM\_048731950.1  
OG: HMGbox\_Sox.HG1.39:HMGXBX4  
PFAM: HMG\_box  
motif: ARCH1159\_Lef1/Tcf7l1/Tcf7  
TF family: HMGbox\_Sox  
archetype family: HMGbox\_Sox  
CisBP assigned: FALSE  
rank: 88  
gene expression correlation: -0.0918  
gene score correlation: -0.1045



Nvec\_vc1.1\_XM\_048732398.1  
OG: E2F\_TDP.HG1.4:E2F1/E2F2/E2F3  
PFAM: E2F\_TDP  
motif: ARCH394\_/E2f4\_E2f6\_E2f8/E2f7  
TF family: E2F\_TDP  
archetype family: E2F\_TDP  
CisBP assigned: FALSE  
rank: 360  
gene expression correlation: -0.1503  
gene score correlation: 0.2313



Nvec\_vc1.1\_XM\_048732532.1  
OG: Ets.HG1.8:ETS1/ETS2  
PFAM: Ets  
motif: Ets2/Ets1/Etv2\_241030\_streme  
TF family: Ets  
archetype family: Ets  
CisBP assigned: TRUE  
rank: 0  
gene expression correlation: 0.2354  
gene score correlation: 0.2039



Nvec\_vc1.1\_XM\_048732776.1

OG: HMGbox\_Sox.HG1.22:MAEL

PFAM: HMG\_box\_2/Maelstrom

motif: M11336\_2.00

TF family: HMGbox\_Sox

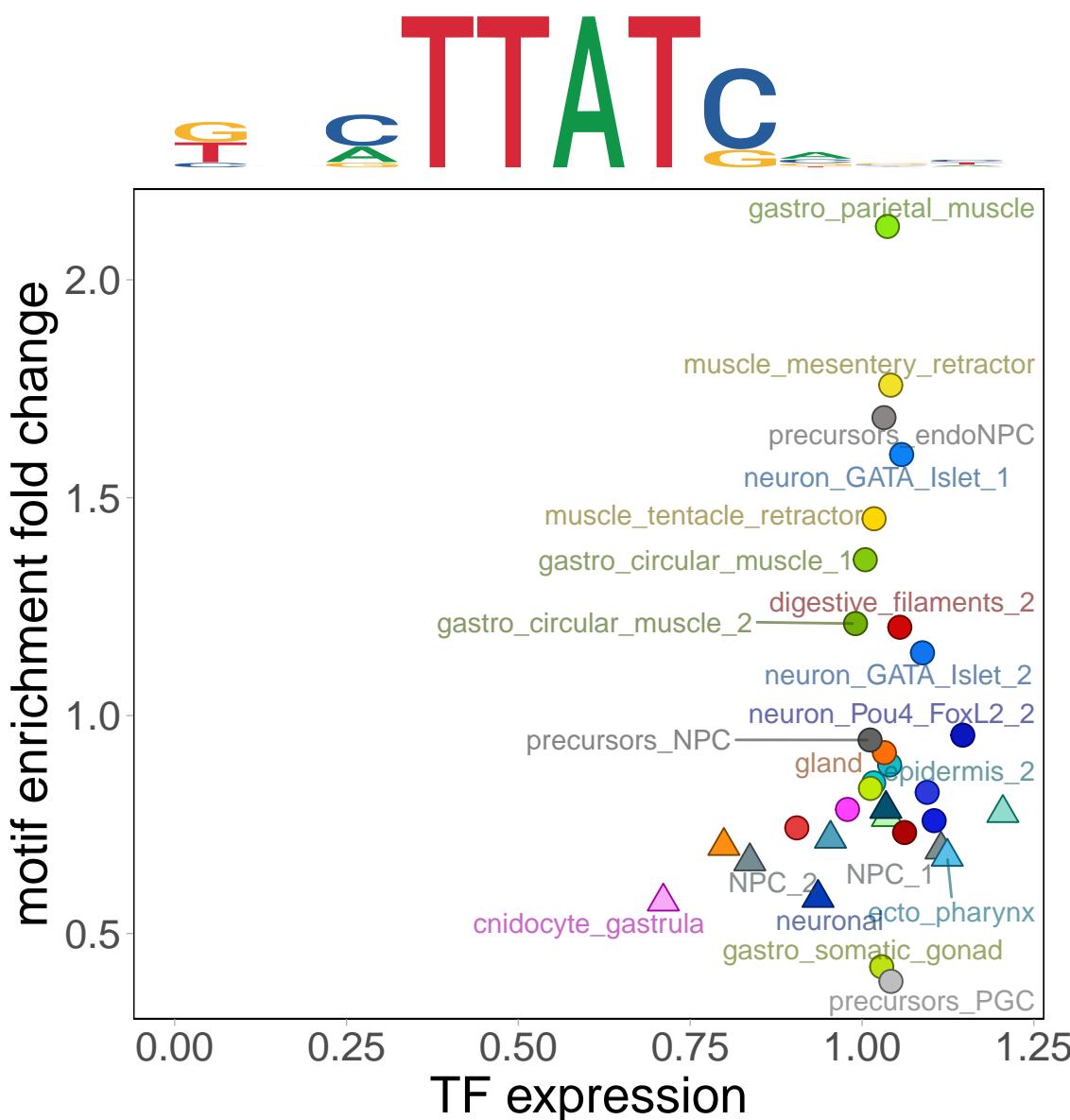
archetype family: HMGbox\_Sox

CisBP assigned: TRUE

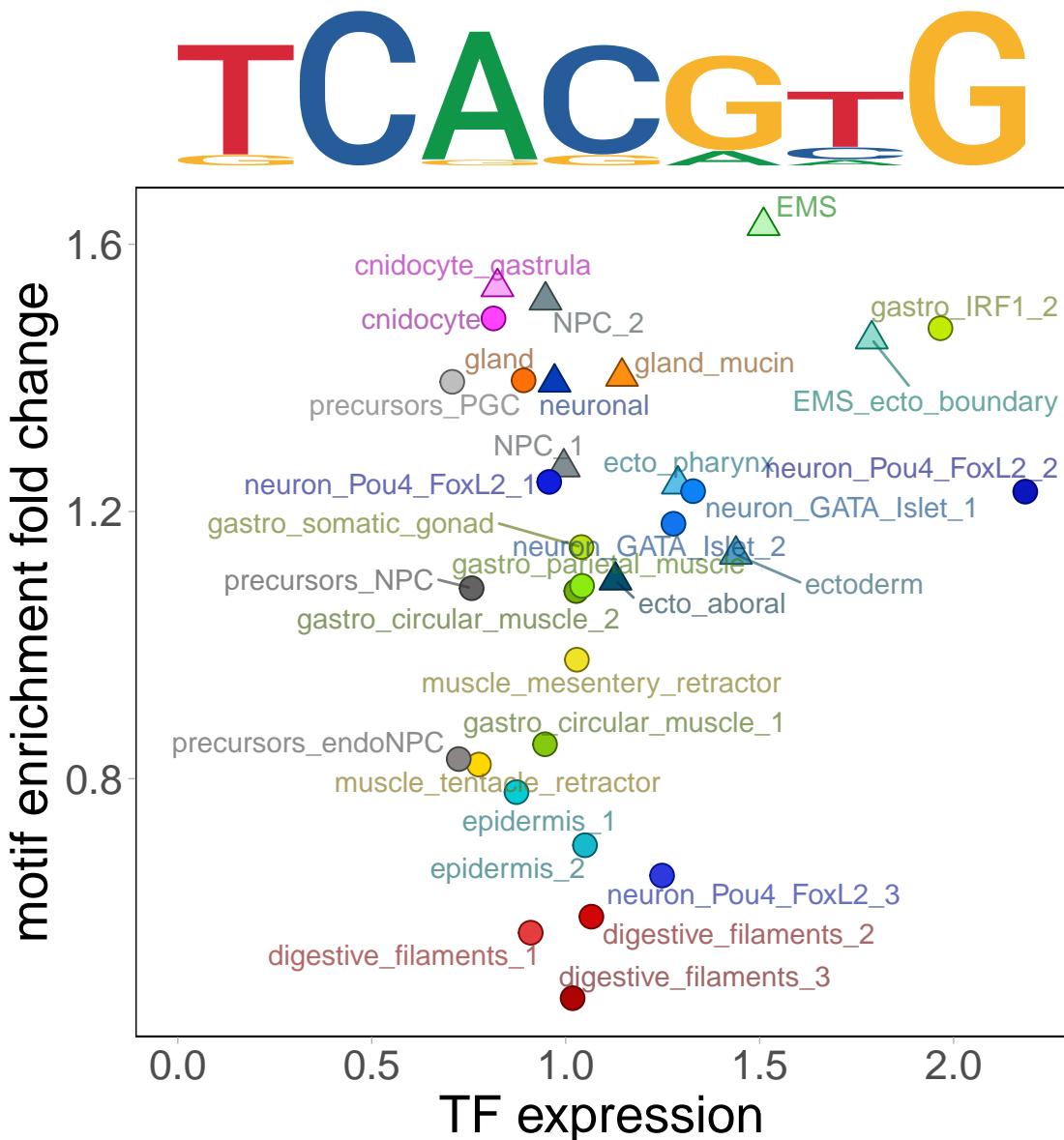
rank: 0

gene expression correlation: 0.1917

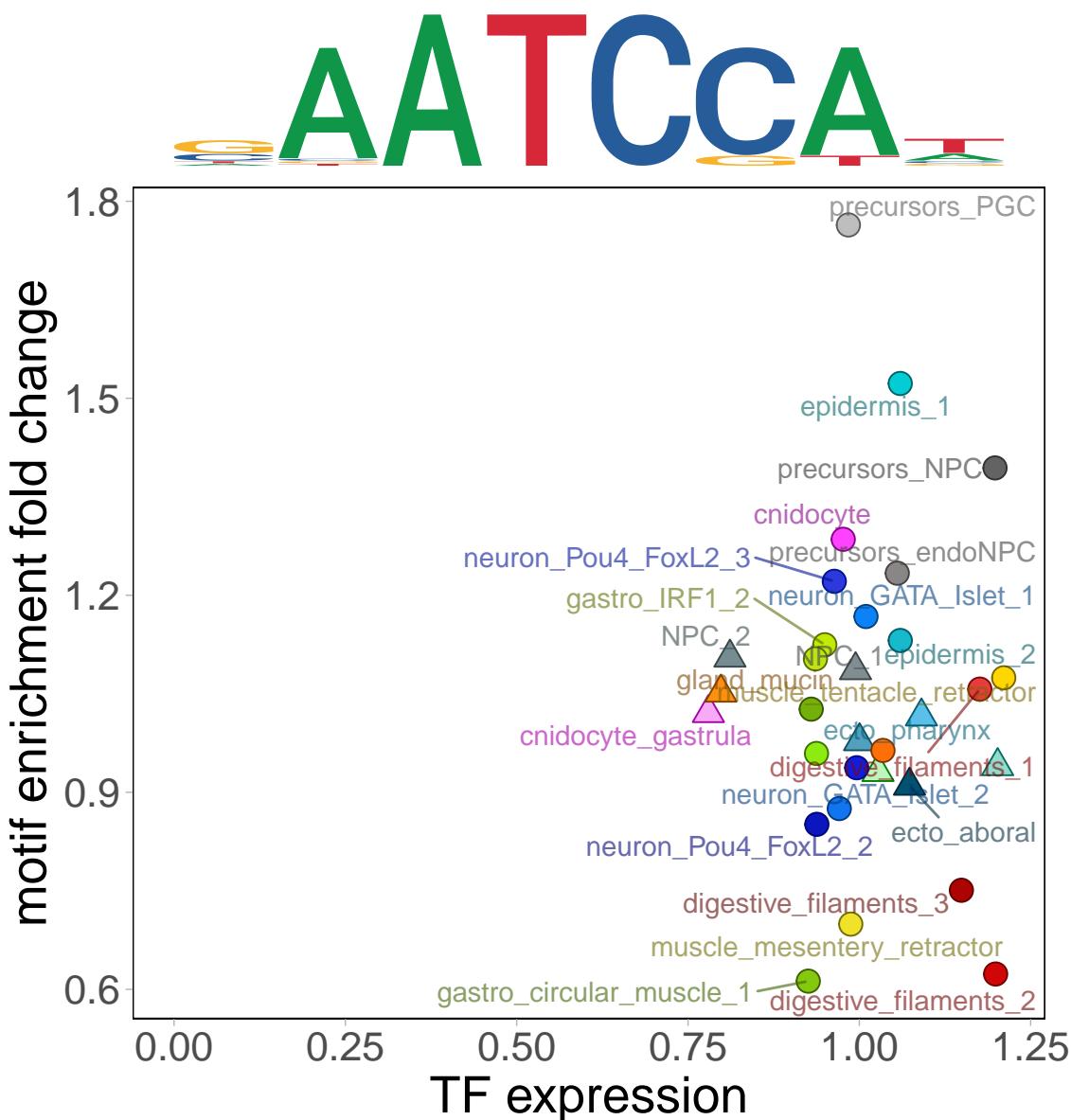
gene score correlation: 0.0086



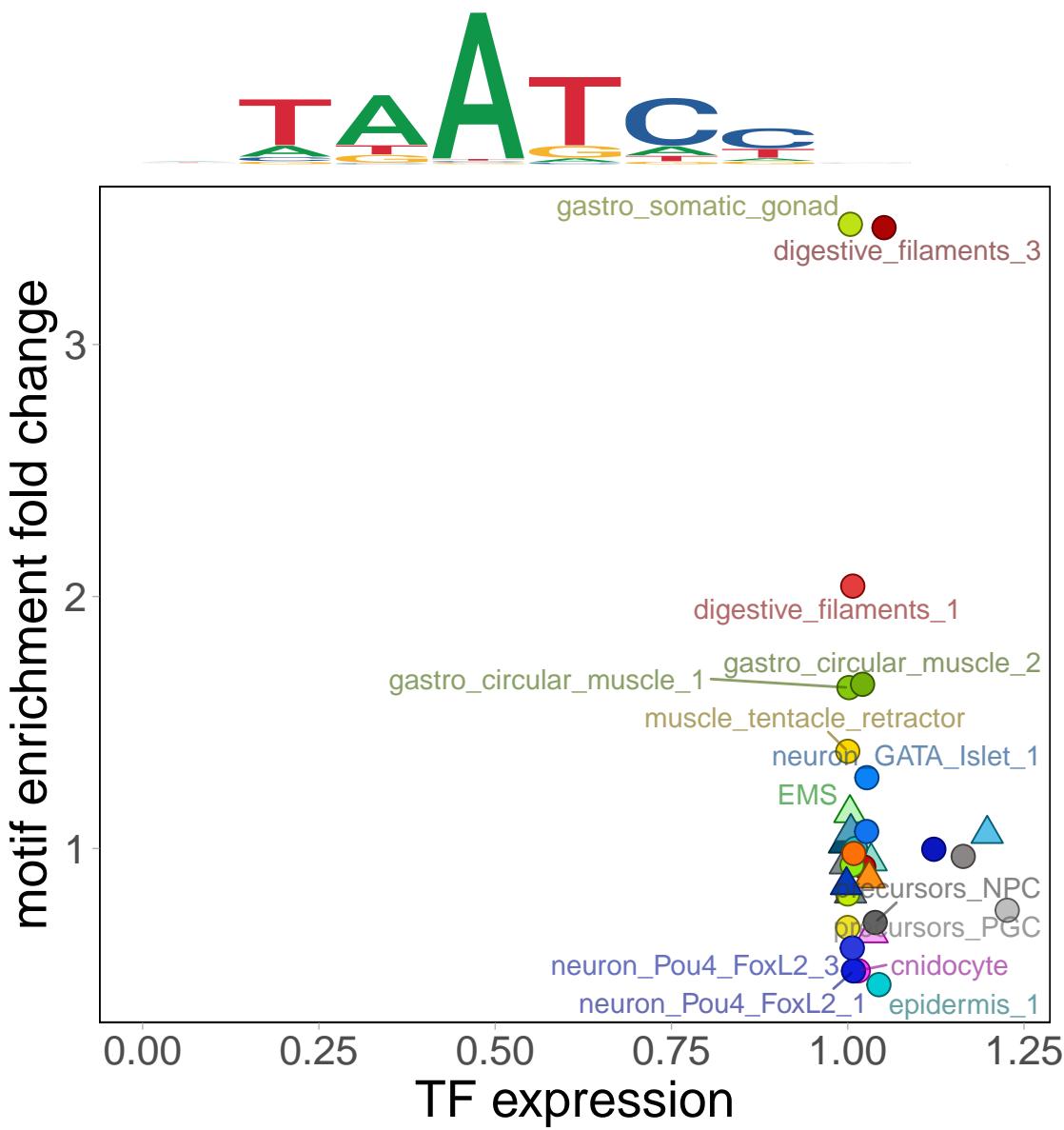
Nvec\_vc1.1\_XM\_048733302.1  
OG: HLH.HG1.33:MITF/TFE3/TFEB/TF  
PFAM: MITF\_TFEB\_C\_3\_N/HLH  
motif: M06003\_2.00  
TF family: HLH  
archetype family: HLH  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: 0.2641  
gene score correlation: -0.2141



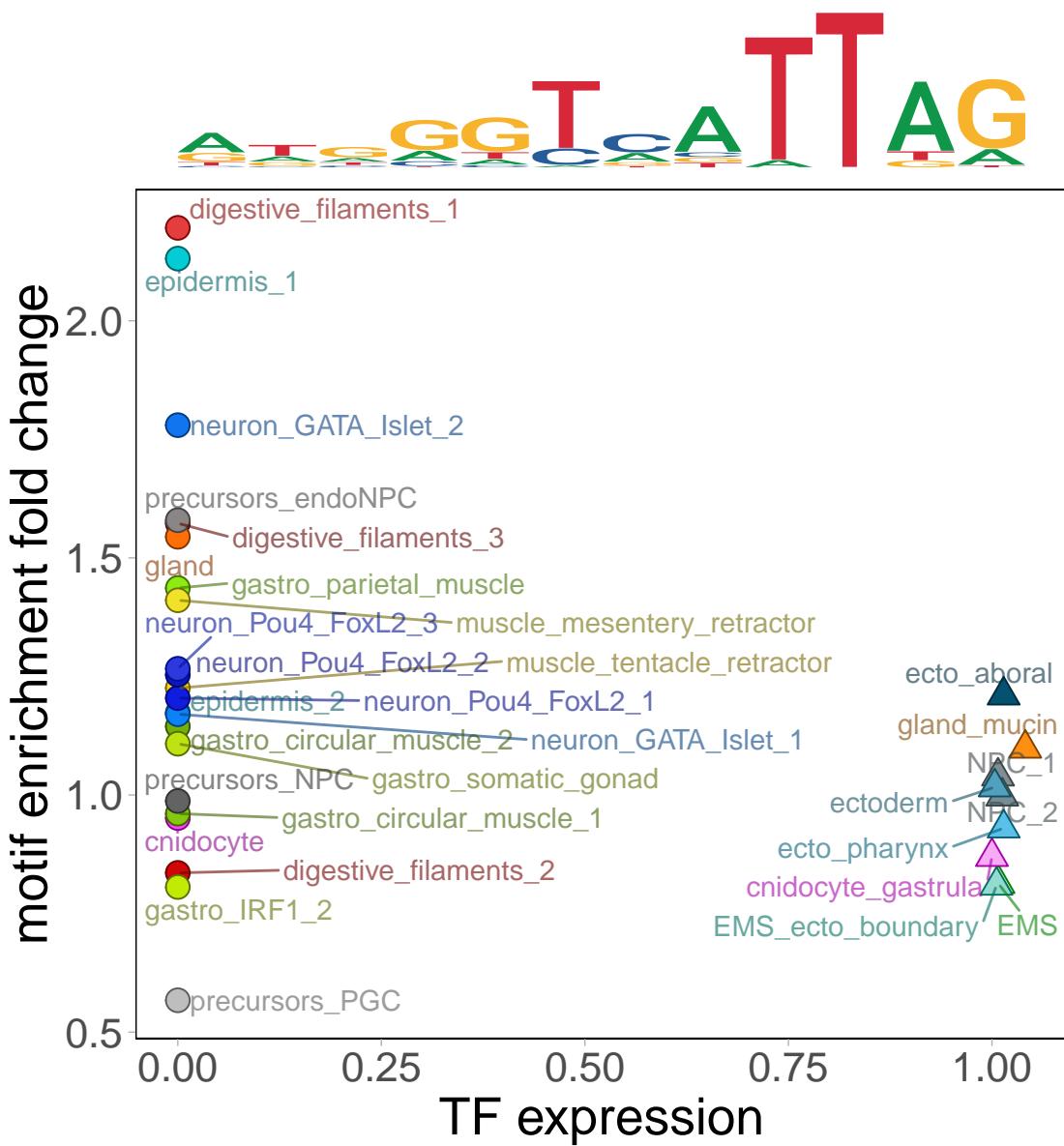
Nvec\_vc1.1\_XM\_048733498.1  
OG: Myb.HG3.0:like:HSPA14/MSANTD1  
PFAM: Myb\_DNA-bind\_4/Myb\_DNA-bind\_5  
motif: ARCH153\_Msantd2\_Rcor1/Rcor2  
TF family: Myb  
archetype family: Myb  
CisBP assigned: TRUE  
rank: 633  
gene expression correlation: -0.0283  
gene score correlation: 0.2258



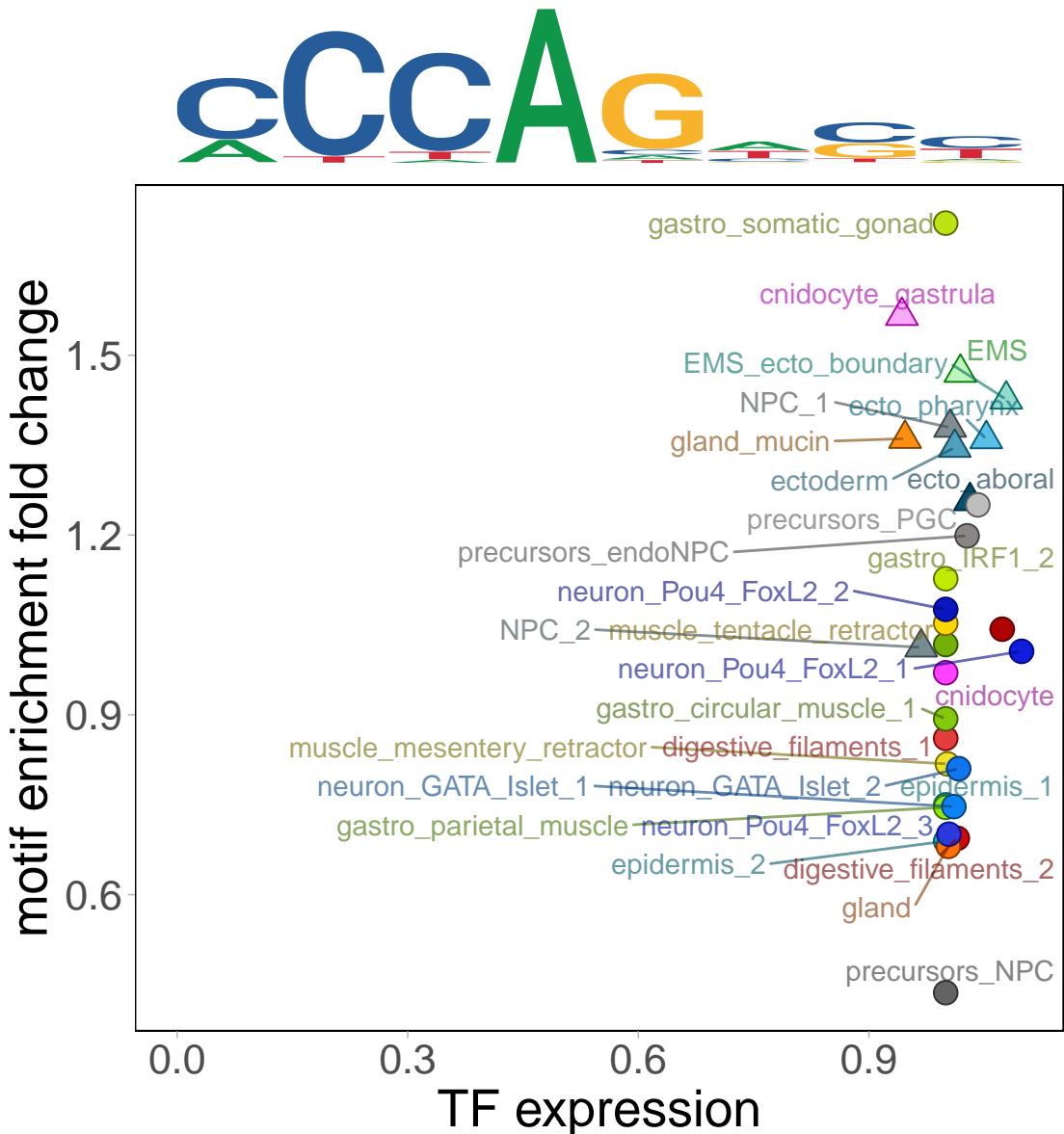
Nvec\_vc1.1\_XM\_048733519.1  
OG: Homeodomains.HG2.73:like:DMB  
PFAM: Homeodomain  
motif: M00490\_2.00  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 0  
gene expression correlation: -0.0768  
gene score correlation: 0.4433



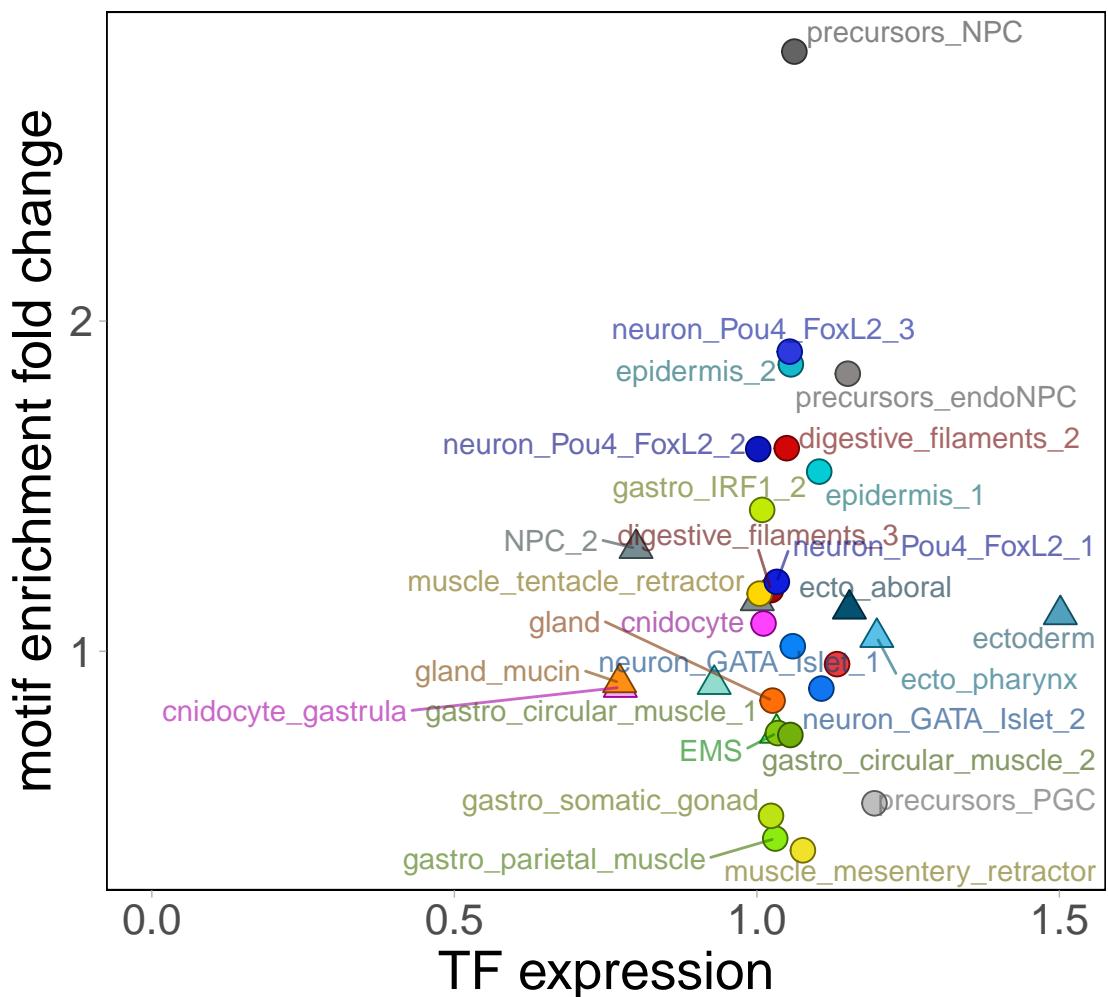
Nvec\_vc1.1\_XM\_048733551.1  
OG: Homeodomains.HG1.5:like:AC0040  
PFAM: Homeodomain  
motif: ARCH273\_HOXD3  
TF family: Homeodomains  
archetype family: Homeodomains  
CisBP assigned: FALSE  
rank: 1262  
gene expression correlation: -0.3834  
gene score correlation: -0.0819



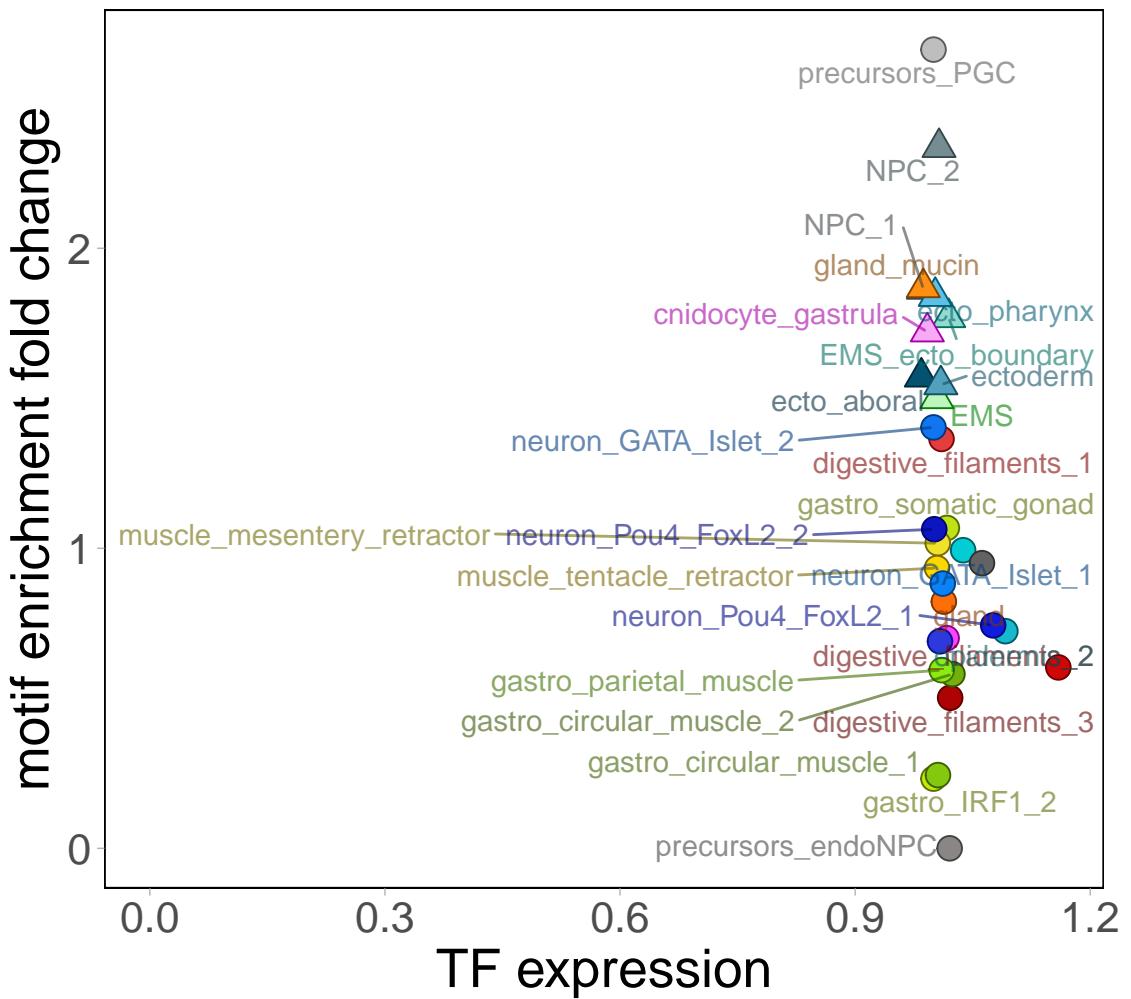
Nvec\_vc1.1\_XM\_048734004.1  
OG: zf-C2H2.HG99.0:NA  
PFAM: zf-C2H2/zf-C2H2/zf-C2H2/zf-C2H2  
motif: ARCH667\_RBPJ\_ZNF416  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 6  
gene expression correlation: 0.0465  
gene score correlation: 0.1163



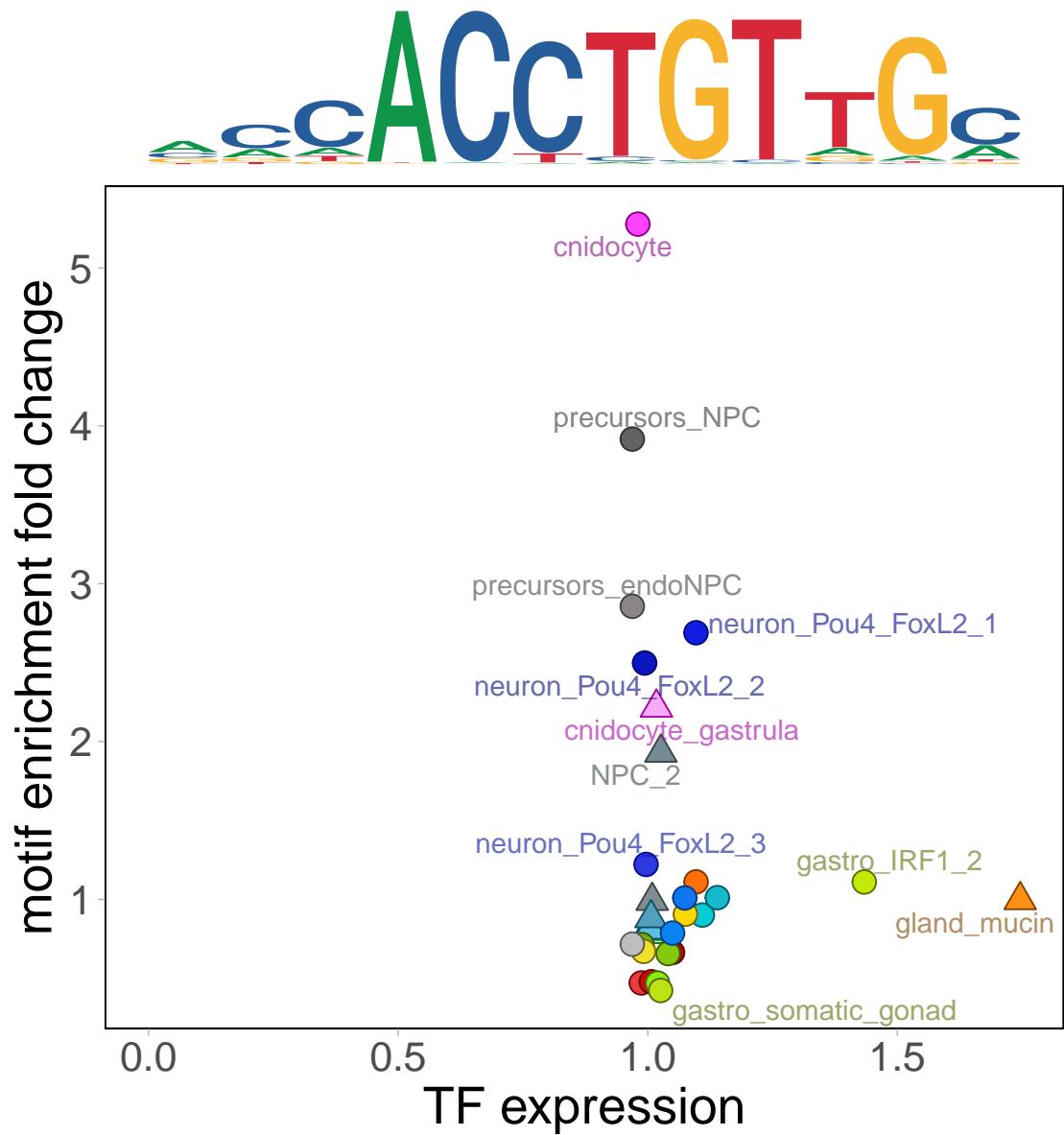
Nvec\_vc1.1\_XM\_048734435.1  
OG: E2F\_TDP.HG1.4:E2F1/E2F2/E2F3  
PFAM: E2F\_TDP/E2F\_CC-MB  
motif: ARCH1058\_Pdp1  
TF family: E2F\_TDP  
archetype family: E2F\_TDP  
CisBP assigned: FALSE  
rank: 65  
gene expression correlation: 0.0426  
gene score correlation: 0.5178



Nvec\_vc1.1\_XM\_048734482.1  
OG: zf-C2H2.HG1.142:like:AC008758.1  
PFAM: zf-C2H2/zf-C2H2\_6/zf-C2H2/zf-  
motif: ARCH1255\_Yy1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 21  
gene expression correlation: -0.3650  
gene score correlation: -0.0505



Nvec\_vc1.1\_XM\_048734570.1  
OG: zf-C2H2.HG1.35:FEZF1/FEZF2/G  
PFAM: zf-C2H2\_6/zf-C2H2/zf-C2H2/zf-C2H2\_1  
motif: ARCH861\_Scrt2/Scrt1  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 6  
gene expression correlation: -0.1263  
gene score correlation: 0.4034



Nvec\_vc1.1\_XM\_048734691.1  
OG: zf-C2H2.HG70.1:NA  
PFAM: zf-C2H2/zf-met/zf-C2H2/zf-C2  
motif: ARCH836\_M08316\_2.00\_\_M089  
TF family: zf-C2H2  
archetype family: zf-C2H2  
CisBP assigned: FALSE  
rank: 33  
gene expression correlation: 0.1547  
gene score correlation: 0.1450

