$Supplemental\ Table\ 3.\ Co-expression\ of\ differentially\ expressed\ sex-enriched\ vs.\ differentially\ expressed\ transcription\ factor\ genes.$

SLG - E	Blue Cluster
[Genes highly
TF (n = 10)	correlated
Ebf1	(n = 205) 2010001M09Rik
Ets1	9930111J21Rik1
Fli1	A630001G21Rik
Hcls1	AB124611
Lef1	Acap1
Mef2c Nfkbie	Adcy7
Nfkbie Spib	Al467606 Akna
Stat4	Als2cl
Tcf7	
	Apol7e Arhgap15 Arhgap25
	Arhgap25
	Arhgap30
	Arhgap4
	Arhgap4 Arhgdib Arl5c
	Bank1
	BC147527
	Blnk
	Btk
	Card11
	Ccl19
	Ccl22 Ccl5
	Ccnd2
	Ccr7
	Cd2
	Cd209b
	Cd22
	Cd28
	Cd37 Cd3e
	Cd3g
	Cd4
1	Cd40
1	Cd48
	Cd52
	Cd53
	Cd69 Cd7
	Cd79b
į	Cd83
į	Cd84
	Ciita
ļ	Cmah
	Coro1a
	Cst7 Ctsw
	Cxcl13
ļ	Cxcr3
	Cd53 Cd69 Cd7 Cd79b Cd83 Cd84 Ciita Cmah Coro1a Cst7 Ctsw Cxcl13 Cxcr3 Cybasc3 Cyfip2 Cyp4f18 Cyth4 Cytip Dennd1c Dnase1l3 Dock10 Dock2 Ebf1 Ets1 Fam189b Fam65b
	Cyfip2
	Cyp4f18
	Cyth4
	Cytip Dennd1c
	Defind to Dnase1l3
	Dock10
	Dock2
	Ebf1
	Epsti1
	Ets1
	Fam189b

Fam65b

Hes6	Genes highly correlated (n = 36) 2310044H10Rik 5031425E22Rik Aif1I
Hes6	2310044H10Rik 5031425E22Rik
Hes6	5031425E22Rik
-lma20h	Λ;f41
ingzou	AIIII
Junb	Apoe
Pitx1	Atp13a2
Ppp1r1b	C1qc
Rarg	Ccdc61
	Clptm1
	Cxcl12
	Dohh
I	Efcab4a
I	Egln2
l	Fam108a
I	Fam132a
I	Hes6
I	Hmg20b
I	Hspa1a
I	II17rc
	Jtb
,	Junb
ı	Lmna
	Lypla2
	Lyz1
	Ogfr
	Pcbp4
	Pik3r2
	Pitx1
	Ppp1r1b
	Ptms
	Rap1gap
	Rarg
	Rbm42
	Sphk1
	Tsc22d4
	Txndc15
	Ubtd1

Genes highly correlated (n = 189) Fbxw7 17000281978ik Musk 2010002N04Rik Nfe2l3 2410002F23Rik Zfp52 5830416119Rik Abhd6 Ablim1 Acpp Acsm1 Acy3 Adra1a Alpl Aph1c Arc Atp13a5 Atp4a Atp6v1g3 Bcl2114 Bglap-rs1 Bsnd C130026121Rik Cables1 Camk2d Capn3 Car13 Ccdc129 Cd59a Cftr Clcn2 Coro2a Csrp2 Cst6 Cttnbp2 Cwh43 D730001G18Rik Dnase1l2 Dpysl3 Dusp18 Edaradd Efcab4b Elovl7 Emb Fa2h Fbxw7 Fgf9 Galntl4 Gatsl3 Gm684 Gm757 Gm826 Hhatl Hmox2 Hsd11b1 Hsp90b1 ler3 lgfals lnsig2 Kcnj15 Kcnj16 Kcnk5 Kcns3 Kif5a Kilh23 Kllk1b1	SMG - G	Green Cluster
TF (n = 4) correlated (n = 189) Fbxw7 1700028J19Rik Musk 2010002N04Rik Nfe2l3 2410002F23Rik Zfp52 5830416l19Rik Abhd6 Ablim1 Acpp Acsm1 Acy3 Adra1a Alpl Aph1c Arc Atp13a5 Atp4a Atp6v1g3 Bcl2114 Bglap-rs1 Bsnd C130026l21Rik Cables1 Camk2d Capn3 Car13 Ccdc129 Cd59a Cftr Clcn2 Coro2a Csrp2 Cst6 Cttnbp2 Cwh43 D730001G18Rik Dnase1l2 Dpysl3 Dusp18 Edaradd		
(n = 189) Fbxw7 1700028J19Rik Musk 2010002N04Rik Nfe2l3 2410002F23Rik Zfp52 5830416l19Rik Abhd6 Ablim1 Acpp Acsm1 Acy3 Adra1a Alpl Aph1c Arc Atp13a5 Atp4a Atp6v1g3 Bcl2l14 Bglap-rs1 Bsnd C130026l21Rik Cables1 Camk2d Capn3 Car13 Ccdc129 Cd59a Cftr Clcn2 Coro2a Csrp2 Cst6 Cttnbp2 Cwh43 D730001G18Rik Dnase1l2 Dpysl3 Dusp18 Edaradd	TF (n = 4)	
Musk 2010002N04Rik Nfe2l3 2410002F23Rik Zfp52 5830416l19Rik Abhd6 Ablim1 Acpp Acsm1 Acy3 Adra1a Alpl Aph1c Arc Atp13a5 Atp4a Atp6v1g3 Bcl2l14 Bglap-rs1 Bsnd C130026l21Rik Cables1 Camk2d Capn3 Car13 Ccdc129 Cd59a Cftr Clcn2 Coro2a Csrp2 Cst6 Cttnbp2 Cwh43 D730001G18Rik Dnase1l2 Dpysl3 Dusp18 Edaradd		
Nfe2l3 2410002F23Rik Zfp52 5830416l19Rik Abhd6 Ablim1 Acpp Acsm1 Acy3 Adra1a Alpl Aph1c Arc Atp13a5 Atp4a Atp6v1g3 Bcl2l14 Bglap-rs1 Bsnd C130026l21Rik Cables1 Camk2d Capn3 Car13 Ccdc129 Cd59a Cftr Clcn2 Coro2a Csrp2 Cst6 Cttnbp2 Cwh43 D730001G18Rik Dnase1l2 Dpysl3 Dusp18 Edaradd		1700028J19Rik
Zfp52 5830416l19Rik	Musk	2010002N04Rik
Abhd6 Ablim1 Acpp Acsm1 Acy3 Adra1a Alpl Aph1c Arc Atp13a5 Atp4a Atp6v1g3 Bcl2l14 Bglap-rs1 Bsnd C130026l21Rik Cables1 Camk2d Capn3 Car13 Ccdc129 Cd59a Cftr Clcn2 Coro2a Csrp2 Cst6 Cttnbp2 Cwh43 D730001G18Rik Dnase1l2 Dpysl3 Dusp18 Edaradd	Nfe2l3	
Ablim1 Acpp Acsm1 Acy3 Adra1a Alpl Aph1c Arc Atp13a5 Atp4a Atp6v1g3 Bcl2l14 Bglap-rs1 Bsnd C130026l21Rik Cables1 Camk2d Capn3 Car13 Ccdc129 Cd59a Cftr Clcn2 Coro2a Csrp2 Cst6 Cttnbp2 Cwh43 D730001G18Rik Dnase1l2 Dpysl3 Dusp18 Edaradd	Zfp52	
Acpp Acsm1 Acy3 Adra1a Alpl Aph1c Arc Atp13a5 Atp4a Atp6v1g3 Bcl2l14 Bglap-rs1 Bsnd C130026l21Rik Cables1 Camk2d Capn3 Car13 Ccdc129 Cd59a Cftr Clcn2 Coro2a Csrp2 Cst6 Cttnbp2 Cwh43 D730001G18Rik Dnase1l2 Dpysl3 Dusp18 Edaradd		
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Acy3 Adra1a Alpl Aph1c Arc Atp13a5 Atp4a Atp6v1g3 Bcl2l14 Bglap-rs1 Bsnd C130026l21Rik Cables1 Camk2d Capn3 Car13 Ccdc129 Cd59a Cftr Clcn2 Coro2a Csrp2 Cst6 Cttnbp2 Cwh43 D730001G18Rik Dnase1l2 Dpysl3 Dusp18 Edaradd		
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Dpysl3 Dusp18 Edaradd		Clcn2
Dpysl3 Dusp18 Edaradd		
Edaradd		
Edaradd		Dusp18
Efcab4b Elov17 Emb Fa2h Fbxw7 Fgf9 Galnt14 Gats13 Gm684 Gm757 Gm826 Hhat1 Hmox2 Hsd11b1 Hsp90b1 ler3 lgfals lnsig2 Kcnj15 Kcnj16 Kcnk5 Kcns3 Kif5a Klhl23 Klk1b1 Klk1b11		Edaradd
Elovl7 Emb Fa2h Fbxw7 Fgf9 Galntl4 Gatsl3 Gm684 Gm757 Gm826 Hhatl Hmox2 Hsd11b1 Hsp90b1 ler3 lgfals lnsig2 Kcnj15 Kcnj16 Kcnk5 Kcns3 Kif5a Kihl23 Klk1b1		Efcab4b
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Hsd11b1 Hsp90b1 ler3 lgfals Insig2 Kcnj15 Kcnj16 Kcnk5 Kcns3 Kif5a Klhl23 Klk1b1		Hhatl
Hsp90b1 ler3 lgfals lnsig2 Kcnj15 Kcnj16 Kcnk5 Kcns3 Kif5a Kihl23 Kik1b1		Hed11h1
ler3 Igfals Insig2 Kcnj15 Kcnj16 Kcnk5 Kcns3 Kif5a Kihl23 Kik1b1	ì	Hsp90b1
lgfals Insig2 Kcnj15 Kcnj16 Kcnk5 Kcns3 Kif5a Klhl23 Klk1b1	1	ler3
Insig2 Kcnj15 Kcnj16 Kcnk5 Kcns3 Kif5a Klhl23 Klk1b1	1	Igfals
Kcnj15 Kcnj16 Kcnk5 Kcns3 Kif5a Klhl23 Klk1b1	1	Insig2
Kcnj16 Kcnk5 Kcns3 Kif5a Klhl23 Klk1b1 Klk1b11	i	Kcnj15
Kcnk5 Kcns3 Kif5a Klhl23 Klk1b1 Klk1b11	1	Kcnj16
Kif5a Kif123 Kik1b1 Kik1b11	1	Kcns3
Kihi23 Kikib1 Kikib11	1	runsa Kif5a
Klk1b1 Klk1b11	1	Klhl23
Klk1b11	1	Klk1b1
,	1	Klk1b11