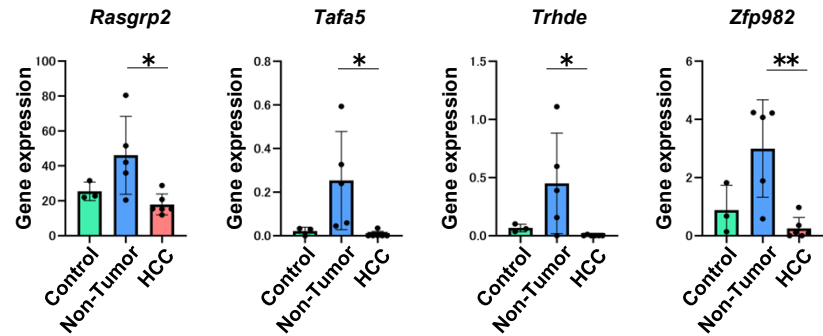


a

Chr. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	X	Y
49304871	68204080	Alpk1	Ajap1	Crmp1	57305965	Adamts13	1700019L	Gm31816	Agap2	Dlg4	2410018L	Emb	Adcy4	A730060H	Epha6	Ddr1	Htr4	Ppp1r2-p	Tex16	
49305680	Cbln4	Egfem1	CK13795	Fzd10	Ccser1	Dchs1	A330008L	Poglut3	Gm15723	Fbll1	57305070	Gm40999	Gm9748	Adamts2	Fgf12	Epb41l3		Rasgrp2		
Adgrb3	Dok5	Pex5l	Csmd2	Fzd10os	Dyrk4	Fam181b	Cdh8	Rgl3	Gm40602	Gjd3	6030426L	Marveld2	LOC1081	Cacng2	Gm9017	Lama1		Sorcs1		
Boil	Galnt13	Tacr3	Disp3	Gm36187	Gm33581	Gabra5	Plekhg4	Drd2	Mmp11	Kcnip1	90306240		LOC4328	Cntn1	Lpp	Ptchd4		Tcirg1		
Gm16341	Gm34978	Ugt8a	Elavl2	Kctd8	Grin2b	Gm26974	Pnpla6	Bcl9l	Prdm1	Mir196a-	Gm10479		Nrg3	Gm32970		Tmem200		Blc1s2		
Gm9884	Hoxd10	Gm34924	Gm11240	Srrm4	Hoxa3	Gm42378	Unc5d	Calml4	Rfx4	Tns3	Gm17330		Wnt5a	Gm35471		Ccnd3		Gm32143		
Khdrbs2	Nrsn2		Gm12446	Tmem132	Hoxa5	Gpr26		Ciao2a	Trhde	Asic2	Gm20472		Gm9732	Kcns2		Hao		Neur1a		
n-TDgtc3	Syndig1		Gm13034	Tmem132	LOC1154	Hs3st2		Cryab	Gm30346	Gm11419	Gm21297		Trav13d-	Tafa5		Mad2l1b		Ssh3		
n-TEctc5	Tcfi5		Gm13205	Nptx2	Lrrn1	Hs3st4		Hspb2	Gm33230	Hoxb8	Gm30855		Trav15d-	Cela1						
n-TGgcc	Vstm2l		Gm42281	D130017I	Podxl2	Igf2		Snx1	Mir1191b	Rhbdf2	Gm38538			Fam83a						
n-TGtcc1	Zcchc3		Grik3	Fry	Rerg	Il11		Tpm1	Rhobtb1		Gm38699			Pdgfb						
n-TLcag6	Zfp334		Kcnab2	Kcnh2	Zfp783	Lypd3			Sirt6		Gm3993			Samd12						
Thsd7b	Ccdc9b		Nphp4	Rbm19	Klf14	Mir9-3hg					Gm40847									
Fcgr3	Gm32683		Ptprd		A730020H	Peg12					Gm40881									
Pld5	Setx		Rasef		Osbpl3	Slc7a9					Gm5784									
Mir6546			Tbc1d2		Tulp3	Gm25597					Gm5953									
Col5a2			Zfp978			Gm26097					LOC1081									
Gm16070			Zfp982			Ucp2					Mdga2									
Gm31974			Smarca5								Acyp1									
Gm51725			Brinp1								Ighv13-2									
Neur13			Akna								Tmem63c									
Rab29			Cfap74																	
			Gm52490																	
			Mthfr																	
			Tinag1l																	

b



Supplementary Figure 4