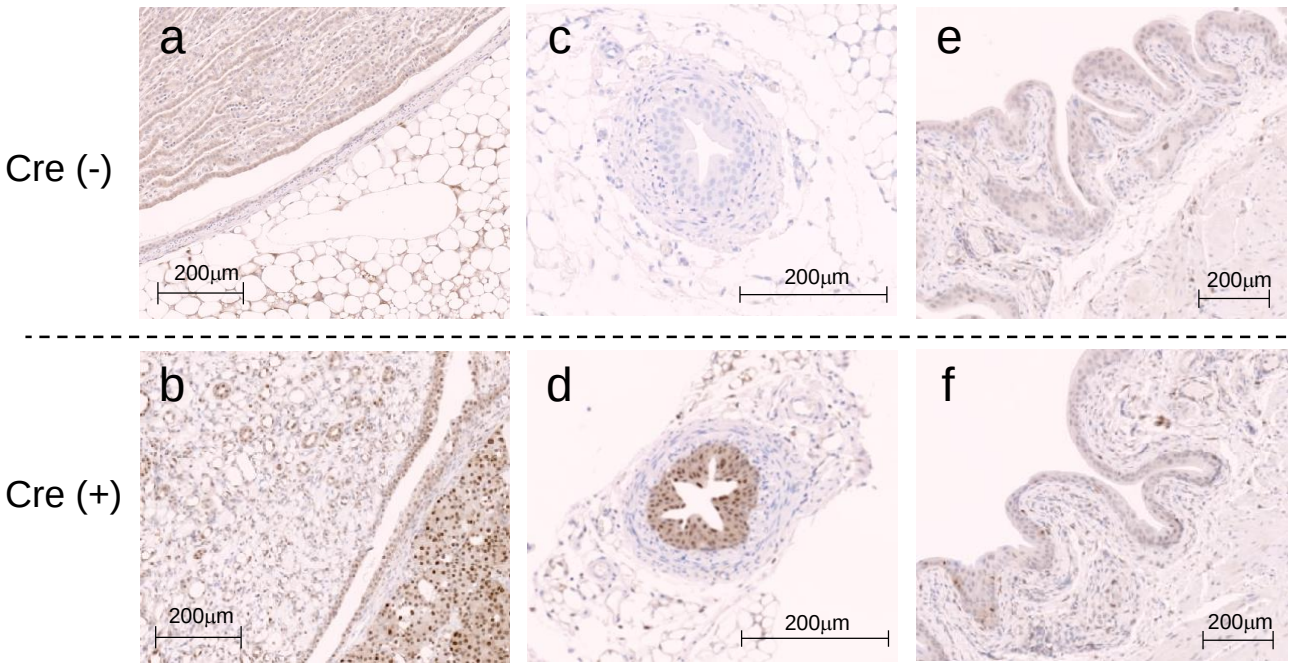
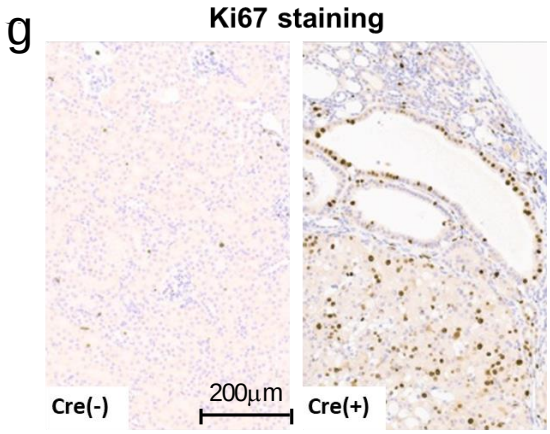
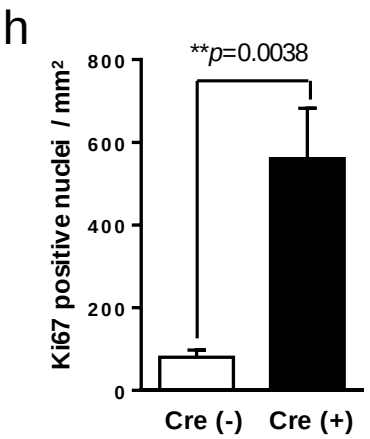
Supplemental Fig. S1







Supplemental table S1

List of significant genes, *PRCC-TFE3; Cre (-)* kidneys vs *PRCC-TFE3; Cre (+)* kidneys , 4 month

a

Gene Symbol	RefSeq	q-value	Fold-Change
Gpnmb	AK044764	0.000416623	78.6639
Moxd1	AK014340	0.000985109	51.6525
Diras2	AK041534	0.000985109	48.7425
2010320O07Rik	AK008598	0.000109735	46.1242
Reln	AK017094	0.000109735	33.2644
Tgfb2	AK029306	0.00198227	24.1486
P2rx7	AK144585	0.00113265	17.5562
Tyrp1	AK148332	0.00631762	16.5856
Cd68	AK002264	0.0086153	14.4758
Nr4a1	AK004709	0.0015723	12.498
Ngfr	AK037248	0.000109735	11.3874
Tmem48	BC021337	0.000109735	9.92223
2310043M15Rik	AK009785	0.0144736	9.70661
Snap91	AK051176	0.00500623	8.98251
Ramp3	AK005513	0.00178121	8.7271
Gpr143	AK033060	0.00409095	7.17645
Tnni3k	AY526095	0.0192969	7.14765
Mreg	AY628210	0.0263642	6.51775
Slc24a5	AB085629	0.00113265	6.28298
1700019D03Rik	AK006110	0.00556483	5.83014
Ret	AK044686	0.00970173	5.75676
Eno3	AK002485	0.00205155	5.39912
Mcoln3	AK030819	0.0272396	5.0489
Plcxd2	BC151059	0.0192969	4.88445
Zdhhc2	AK017566	0.049694	4.65102
Hgsnat	AK020410	0.00754542	4.49098
Wdr16	BC118541	0.0173587	4.46835
Gm3601	XR 105655	0.0323598	4.40033
Abp1	AK005423	0.0376708	4.32644
Cyp4f39	AK028950	0.0354973	4.31285
Cdkn3	AK010426	0.0113192	4.28555
Gm3601	XR 105655	0.0263642	4.28038
Gm17225	ENSMUST00000172051	0.00775342	4.116
Ivl	AK003807	0.0015723	4.11046
Aox3	BC024046	0.00638355	3.9723
Hk2	AK036845	0.0130043	3.92369
Tshr	AK014519	0.0406393	3.87178
Fkbp11	BC021345	0.0349209	3.73922
Ifi30	AK077725	0.00573321	3.65735
Agt	AK005354	0.0430528	3.59288
Htr4	BC145161	0.0308461	3.53064
Impact	AK138136	0.000611422	3.52457
Satb2	AF319623	0.00132232	3.45963
Hexa	AK075895	0.00736666	3.43435
Intu	BC125523	0.00631762	3.30306
Gm20559	AK035387	0.044151	3.24638
Map1b	AK143169	0.00394713	3.14416
Scn1b	BC009652	0.0263642	3.14366
Ankrd23	BC023221	0.0406393	3.11308
Sema6a	AK042751	0.00205155	2.91542

b

Gene Symbol	RefSeq	q-value	Fold-Change
Pcsk6	AK081039	0.0192969	-3.54885
Gm906	BC147515	0.0430528	-2.33849

Supplemental table S2

List of significant genes, *PRCC-TFE3; Cre (-)* kidneys vs *PRCC-TFE3; Cre (+)* kidneys , 7 month

a

Gene Symbol	RefSeq	q-value	Fold-Change
Gpnmb	AK044764	0.000585569	214.179
Diras2	AK041534	0.00275245	102.051
Moxd1	AK014340	0.0029296	43.3937
Reln	AK017094	0.000585569	37.3605
Cd68	AK002264	0.00170181	34.9926
2010320O07Rik	AK008598	0.00265767	33.8783
Tyrp1	AK148332	0.0059165	27.1432
Tgfb2	AK029306	0.00452058	24.2587
P2rx7	AK144585	0.000585569	23.7014
Nr4a1	AK004709	0.00336458	18.1485
Asb2	U54511	0.0209609	17.3707
Lhcgr	AK030325	0.0279338	17.3564
2310043M15Rik	AK009785	0.00354469	17.0169
Mmp7	AK144515	0.00556877	15.8979
Zdhhc2	AK017566	0.00578387	13.7129
Ighm	BC096772	0.0434164	13.0555
Gm3500	AK080783	0.011712	12.9276
Lcn2	AK149774	0.00710393	12.4911
Fgb	AK011118	0.0166085	12.1747
Ngfr	AK037248	0.00240882	12.1544
Fgg	AK013887	0.00697408	11.835
C3	BC029976	0.00383146	11.541
Serpina10	AK050552	0.00275159	11.5199
Mreg	AY628210	0.00577126	11.4542
Ighm	AK041235	0.0212904	10.9226
Abp1	AK005423	0.00432947	10.7609
Bex1	BC058805	0.00786912	10.062
Snap91	AK051176	0.00210677	9.91223
Efcab1	AK015426	0.00936866	9.89861
Igkv9-120	L41880	0.0145791	9.82073
Vcam1	AK016465	0.000699693	9.32752
Hk2	AK036845	0.0152282	8.97612
Gpr143	AK033060	0.00537964	8.94302
Tmem48	BC021337	0.00103399	8.71224
Chaf1b	AK011243	0.00370423	8.52055
Snx31	AK014536	0.00921889	8.35456
Hpgds	AK020246	0.00828665	8.18497
Rhou	AK009513	0.0132029	8.17558
Gabrp	AK028946	0.00837834	7.94716
Gm10338	ENSMUST00000178623	0.00710393	7.85014
H2-DMb2	AK154923	0.00646858	7.81103
Gpr64	AK041291	0.00530993	7.7625
Havcr1	AK133466	0.0431935	7.76041
1700019D03Rik	AK006110	0.00329033	7.73588
Ahnak2	BC138468	0.0150865	7.49297
Ramp3	AK005513	0.00265767	7.48763
Wdr16	BC118541	0.00259772	7.45796
Cd44	BC025635	0.00347684	7.38295
Colec12	AK042772	0.00558423	7.21024
Gm20559	AK035387	0.0012423	7.19013

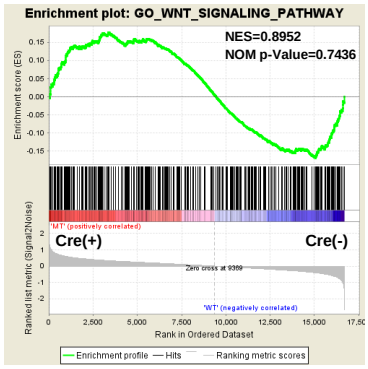
b

Gene Symbol	RefSeq	q-value	Fold-Change
Cyp2d12	AK078880	0.0181137	-9.2271
Dnase1	BC030394	0.0078857	-7.39134
Wfdc15b	AK078998	0.00854242	-6.17737
C1qtnf3	AK029352	0.0285611	-5.94277
Slc22a7	AK082865	0.0465505	-5.86695
Sectm1b	AK007321	0.0059165	-5.75829
Hsd3b2	BC026757	0.0201391	-5.68099
Gpx6	AK006161	0.00687888	-5.65082
Ren1	AK052685	0.0256242	-5.61368
Gm906	BC147515	0.0270683	-5.59371
Tmem207	AK142524	0.00928865	-5.48399
Ttc36	BC021608	0.00577126	-5.09391
F13b	AK149397	0.00837834	-5.05894
Car4	AK154754	0.0170545	-4.96769
Slc16a14	AK003423	0.0338361	-4.959
Gm11128	AF163316	0.0100561	-4.76161
Nccrp1	NM 001081115	0.0414755	-4.73613
Car14	AK009805	0.0084247	-4.7044
Gm906	BC147515	0.0179664	-4.67851
Egf	AK084927	0.00959721	-4.63332
Gatm	AK007325	0.0208098	-4.52314
Acsm1	AK149550	0.0141984	-4.43361
Slc22a22	AB520670	0.0400878	-4.34086
Slc5a2	AY033886	0.00837834	-4.33789
Cndp1	AK085308	0.0269925	-4.3028
Gm906	BC147515	0.0251239	-4.28374
BC024386	BC024386	0.0139813	-4.18011
Fut9	AK032177	0.00588281	-4.08177
Gys2	AK138992	0.0182232	-4.03566
Pcsk6	AK081039	0.00973772	-3.99414
Ppp1r1a	AK002813	0.00577126	-3.99072
Haao	AK002295	0.00265767	-3.97258
Ranbp3l	AK048152	0.00891083	-3.96075
Stxbp5l	AK035159	0.0143019	-3.91748
Mep1b	BC125627	0.0251592	-3.8964
Slc34a3	AB054999	0.0174256	-3.87387
Acy1	AK002423	0.00159528	-3.86881
St8sia1	AK042207	0.0185689	-3.85097
Proc	AF318182	0.025165	-3.8168
Fabp3-ps1	ENSMUST00000070435	0.0142748	-3.79485
Eci3	AK007578	0.00992231	-3.79479
Lrrc66	BC031901	0.0154552	-3.79045
Dpep1	AK002380	0.0102852	-3.78604
Fam107a	AK044219	0.0221475	-3.77189
Hba-a2	AK002222	0.0172278	-3.76977
Susd2	AK004703	0.0145791	-3.75377
Clec2h	AK017207	0.0142337	-3.74802
Hsd3b3	BC089581	0.00558423	-3.7227
Phyhipl	ENSMUST00000162793	0.0206239	-3.68684
Fam151a	AK166736	0.0034475	-3.67808

Supplemental Fig. S2

4M Mouse kidneys

a



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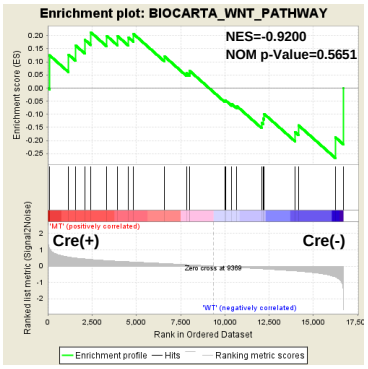

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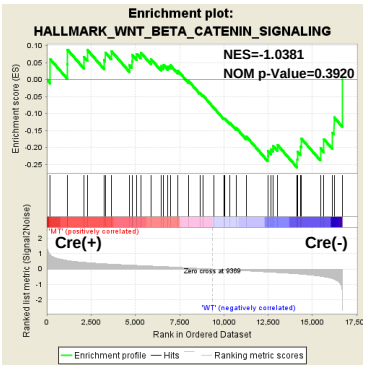
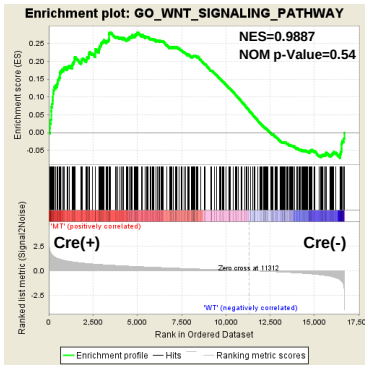


7M Mouse kidneys

d



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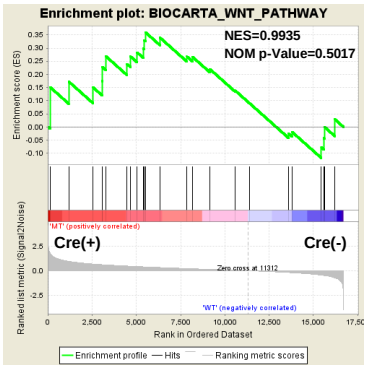

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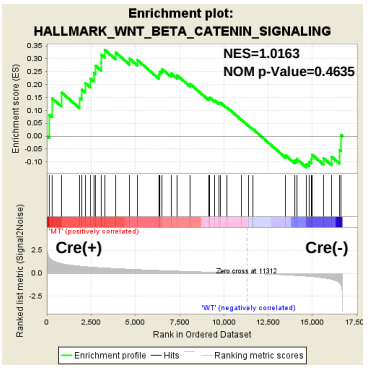
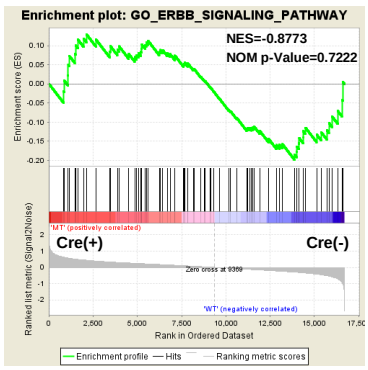


4M Mouse kidneys

g



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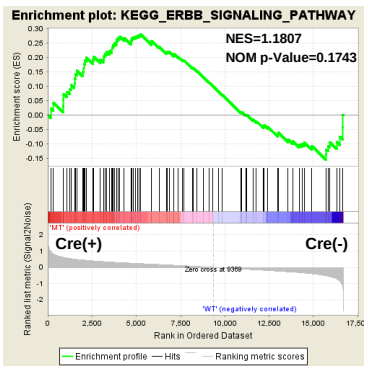

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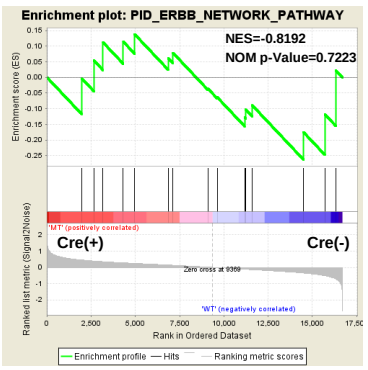
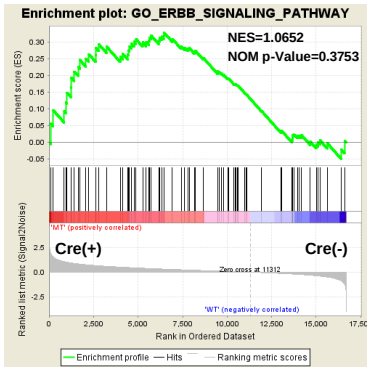


7M Mouse kidneys

j



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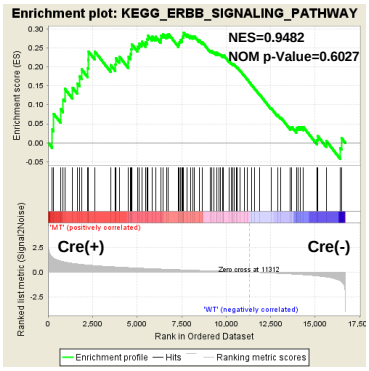

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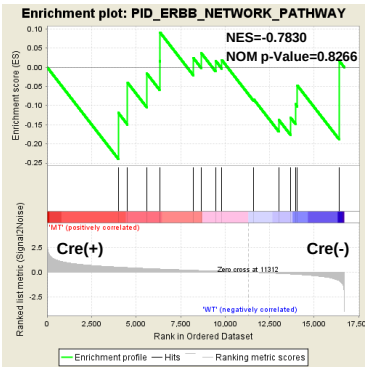


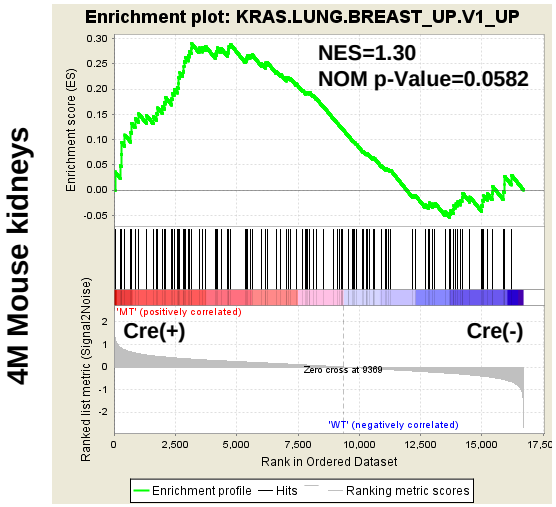
Supplemental table S3

TFE3 *q*-value < 0.05, 2 fold UP	4 month		7month	
	TFEB - P0	TFEB - P14	TFEB - P0	TFEB - P14
number of genes upregulated in both datasets	2 (of 78)	5 (of 78)	20 (of 733)	50 (of 733)
% overlapping genes	2.56	6.41	2.73	6.82

Gene Symbol	Gene Symbol	Gene Symbol	Gene Symbol
Gpnmb	Asb11	Bhlhe40	Apobec3
Hk2	**Gpnmb**	Camk1d	Asb11
	Moxd1	Cck	B4galnt1
	Rab27a	Cdkn1a	Bex1
	Trpm1	Cldn4	Cdc25b
		Cpxm2	Cerk
		Cxcl16	Chaf1b
		Elf3	Cldn4
		Eno2	Cldn7
		Gdf15	Cstb
		Gpnmb	D17H6S56E-5
		Hk2	Egr1
		Lgals3	Elf3
		Rell1	**Gpnmb**
		Serpina6	Grem1
		Slc34a2	Il18r1
		Sprr1a	Il1r1
		Tspan8	Itpr3
		Uap1l1	Krt20
		Wfdc2	Lgals3
			Map3k1
			Moxd1
			Myo1e
			Myo5c
			Nfkb2
			Nipal2
			Parm1
			Pfkp
			Plp2
			Ppfibp2
			Rab27a
			Rell1
			Rhou
			Rnase4
			Slc20a1
			Slc34a2
			Slc38a1
			Slc44a3
			Smpdl3b
			Soat1
			Stat3
			Tcrb-J
			Tlr1
			Tlr2
			Tpcn2
			Trpm1
			Trpv6
			Tspan8
			Vat1
			Wfdc2

Supplemental Fig. S3

a



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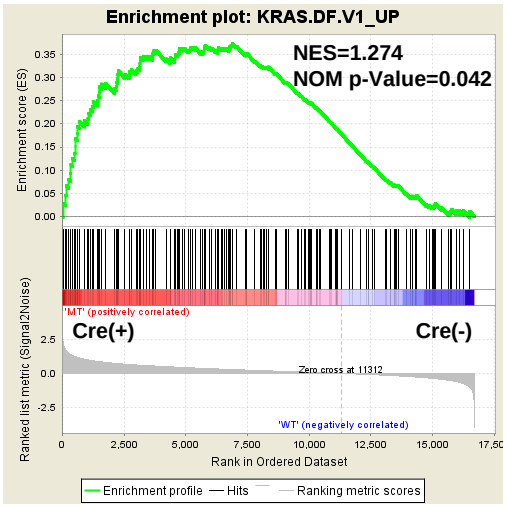


Supplemental Fig. S4

a

TFE3 staining score *p=0.0377

	Negative	Positive	-	1+	2+
Cre(-)	100%(3/3)	0%(0/3)	3	0	0
Cre(+)	0%(0/3)	100%(3/3)	0	1	2

b

Gpnmb staining score * p =0.0377

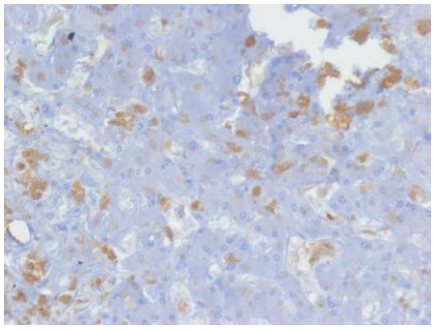
	Negative	Positive	-	1+	2+
Cre(-)	100%(3/3)	0%(0/3)	3	0	0
Cre(+)	0%(0/3)	100%(3/3)	0	1	2

c

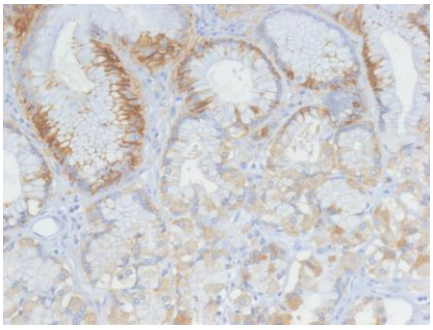
Ret staining score * p =0.0377

	Negative	Positive	-	1+	2+
Cre(-)	100%(3/3)	0%(0/3)	3	0	0
Cre(+)	0%(0/3)	100%(3/3)	0	1	2

d



e



Supplemental Fig. S5