

“表达量” 样例数据（供展示）

	cell1	cell2	cell3
Tspan32	0	0	0
Lhx2	0	0	0
Clec2g	0	0	0
Gmpr	0	0.140391439	0
Glr1	0	0	0
Mid2	0	0	0
Trim25	0	0	0
Dgke	0	0	0
Scpep1	0	0	0
Mnt	0	0	0
Itgb2	0	0	0
Hddc2	0	0	0
Tpd52l1	0	0	0
Pemt	0	0	0
Cdh1	0	0	0
Cdh4	0.157851949	0	0
Ckmt1	0	0	0
Bcl6b	0	0	0
Clec10a	0	0	0
Alox12	0	0	0
Arvcf	0	0	0
Comt	0	0	0
Rtca	0	0	0
Dbt	0	0	0
Dazap2	0	0	0
Mcts1	0	0	0
Rem1	0	0	0
Rnf17	0	0	0
Trappc10	0	0	0
Ccm2	0	0	0
Wap	0	0	0
Tbrg4	0	0	0
Tmprss2	0	0	0
Mx1	0	0	0
Fap	0	0	0
Gcg	0	0	0
Ndufa9	0	0	0
Egfl6	0	0	0
Lck	0	0	0
Tssk3	0	0	0
Cttnbp2	0	0.140391439	0
Galnt1	0	0	0
Myf5	0	0	0
Mkrn2	0	0	0
Pparg	0	0	0
Raf1	0	0	0
Sept1	0	0	0
Pdgfb	0	0	0
Acvr11	0	0	0

Grasp	0	0	0
Acvr1b	0	0	0
Tom1l2	0	0	0
Gpa33	0	0	0
Zfp385a	0	0	0
Itga5	0	0	0
Gabra2	0	0	0
Wdr77	0	0	0
Adora3	0	0	0
Atp5f1	0	0	0
Sox9	0	0	0
Hnrnpd	0	0	0
Dynl1lc	0	0	0
Cld	0	0	0
Gm2a	0	0	0
Krit1	0.157851949	0	0
Clcn4	0	0	0
Vmn2r88	0	0	0
Grm6	0	0	0
Sema4f	0	0	0
Hk2	0	0	0
Myo18a	0	0	0
Sez6	0	0	0
Hao	0	0	0
Cd52	0	0	0
Abhd15	0	0	0.165372148
Hoxb6	0	0	0
Loxl3	0	0	0
Tcl1b5	0	0	0
Btn1a1	0.179102719	0	0
Kat2b	0	0	0
Rab5b	0	0	0
Cryba1	0	0	0
Dnmt3l	0	0	0
Aire	0	0	0
Icosl	0	0	0
Spg7	0.157851949	0	0
Sult5a1	0	0	0
Rpl13	0.157851949	0	0
Chmp1a	0	0	0
Rpa1	0	0	0
Serpinf1	0	0	0
Tubgcp3	0	0	0
Oprm1	0	0	0
Polr3d	0	0	0
Tcf7	0	0	0
Ddx3x	0	0	0
Il12rb1	0	0	0
Slc5a5	0	0	0
Kcnn3	0	0	0
Usp32	0	0	0

Car4	0	0	0
Txnrd3	0	0	0
Fas1	0	0	0
Zfp512b	0	0	0
Dnajc5	0	0.162176117	0
Tpd52l2	0	0	0
Fmr1	0	0	0
Bcl11a	0	0	0
I14	0	0	0
Pxmp4	0	0	0
Dlg3	0	0	0
Gnb11	0.157851949	0.162176117	0.165372148
Dbh	0	0	0
Mmp11	0	0	0
Smadcb1	0	0	0
Vpreb3	0	0	0
Hip1r	0	0	0
Nsun5	0	0	0
Toplmt	0	0	0
Hoxa10	0	0	0
Hoxa4	0	0	0
Gm38393	0	0	0
Mmp14	0	0	0
Slc7a7	0	0	0
Oxa11	0	0	0
Heatr6	0	0	0
Ccl3	0	0	0
Wfdc18	0	0	0
Icam4	0	0	0
Ilf2	0.157851949	0	0
Chtop	0	0	0
Snapi	0	0	0
S100a3	0	0	0
S100a5	0	0	0
S100a6	0	0	0
Scn4a	0	0	0
Icam2	0	0	0
Mapk7	0	0	0
Epn2	0	0	0
B9d1	0	0	0
Sec24b	0	0	0
N4bp3	0	0	0
Rmnd5b	0	0	0
Nhp2	0	0	0
Vps9d1	0	0	0
Zfp276	0	0	0
C1ql4	0	0	0
Mfsd10	0	0	0
Luzp1	0	0	0.175123602
Slc13a2	0	0	0
Kctd10	0	0	0

Poldip2	0	0	0
Sebox	0	0	0
Ift20	0	0	0
Col6a1	0	0	0
Pcbp3	0	0	0
Lgals9	0	0	0
Araf	0.157851949	0	0
Cfp	0	0	0
Timp1	0	0	0
Uxt	0	0	0
Cnnm3	0	0	0
Lman2l	0	0	0
Mcm3ap	0	0	0
Pcnt	0	0	0
Ftcd	0	0	0
Mxd1	0	0	0
Gmcl1	0	0	0
Snrnp27	0	0	0
Oasl c	0	0	0
Oasl h	0	0	0
Ocr1	0	0	0
Calm1	0	0.140391439	0
Agpat3	0	0	0
Slc26a3	0	0	0
Sema6b	0	0	0
Uhrf1	0	0	0
Dpp9	0	0.140391439	0
Ramp2	0	0	0
Lsr	0	0	0
Gramd1a	0	0	0
Hpn	0	0	0
Gabrg1	0	0	0
Ckb	0	0	0.143430009
Sp1	0	0	0
Itgb7	0	0	0
Myg1	0	0	0
Rarg	0	0	0
Pfdn5	0	0	0
Efnb2	0	0	0
Rrp15	0	0.140391439	0.143430009
Rnd2	0	0	0
Srr	0	0	0
Sync	0	0	0
Fndc5	0	0	0
Acp5	0	0	0
Cnn1	0	0	0
Fbxo9	0	0	0
Vps50	0	0	0
Hars	0	0	0
Zmat2	0	0	0
Ube2c	0	0	0

Smg5	0	0	0
Cct3	0	0	0
Glmp	0	0	0
Mef2d	0	0	0
Tmem79	0	0	0
Snd1	0.157851949	0	0.143430009
Col18a1	0	0	0
Slc19a1	0	0	0
Kpnb1	0	0	0
Npepps	0	0	0.165372148
Tbx21	0	0	0
Mrpl10	0	0	0
Cyp51	0	0	0
Tcf25	0	0	0.143430009
Tubb6	0	0	0
Def8	0	0	0
Meox1	0	0	0
Sost	0	0	0
Nkx2-1	0	0	0
Pax9	0	0	0
Irx2	0	0	0
Colla1	0	0	0
Itga3	0	0	0
Sgca	0	0	0
Dlx3	0	0	0
Foxm1	0	0	0
Itfg2	0	0	0
Nrip2	0	0	0
Tulp3	0	0	0
Gtf2h4	0	0	0
Tubb5	0	0	0
El12	0	0	0
Jup	0	0	0
Fkbp10	0	0	0
Klhl10	0	0	0
Mnx1	0	0	0
Nom1	0	0	0
Ergic1	0	0	0
Tnk1	0	0	0
Acap1	0	0	0
Tcea3	0	0	0
Csn3	0	0	0
Ifrd1	0	0	0
Stk38l	0	0	0
Brpf1	0	0	0
Akr1b3	0	0	0
Hoxc13	0	0	0
Hoxc11	0	0	0
Hoxc8	0	0	0
Hoxc6	0	0	0
Gstt1	0	0	0

Gstt3	0	0	0
Ddt	0	0	0
Tat	0	0	0
Marveld3	0	0	0
Ddx18	0	0	0
Ubl3	0	0	0
Gramd3	0	0	0
Eef1e1	0	0	0
Akt1	0	0	0
Cldn15	0	0	0
Il16	0	0	0
Tcirlg1	0	0	0
Naglu	0	0	0
Coasy	0	0	0
Smo	0	0	0
Tspan33	0	0	0
Crnk11	0	0	0
Rin2	0	0	0
Folh1	0	0	0
Chordc1	0	0	0
Rtcb	0	0	0
Pwp1	0	0	0
Fbxo7	0	0	0
Capns1	0	0	0
Lrp3	0.157851949	0	0.143430009
Dsg4	0	0	0
Evx2	0	0	0
Hoxd13	0	0	0
Hoxd12	0	0	0
Folr1	0	0	0
Clpb	0	0	0
Sept7	0	0	0
Zdhhc4	0	0	0
Rac1	0	0	0
Nup214	0	0	0
Aif11	0	0	0
Cpa3	0	0	0
Ltbpl	0	0	0
Ugp2	0	0	0
Kcnh6	0	0	0
Trmt1	0	0	0
Nacc1	0	0	0.165372148
Nfix	0	0	0
Slcla5	0	0	0
Uba1	0	0	0
Vwf	0	0	0
Siae	0	0	0
Vsig2	0	0	0
Esam	0	0	0
Spa17	0	0	0
Fam50a	0	0	0

Emd	0	0	0
Tacol	0	0	0
Grik3	0	0	0
Gria3	0.179102719	0	0
Npas1	0	0	0
Sipa1l2	0	0	0
Ap4e1	0	0	0
Blvra	0	0	0
Pdzd4	0	0	0
Srp3	0	0	0
Idh3g	0	0.140391439	0.143430009
Pnck	0	0	0
Ssr4	0	0	0
Bcap31	0	0	0
Fam98a	0	0	0
Ltbp2	0	0	0
Kmt2a	0	0	0
Ift46	0	0	0
Tmem25	0	0.140391439	0
Cd3g	0	0	0
Trappc6a	0	0	0
Supt6	0	0	0
Spag5	0	0	0
Foxn1	0	0	0
Unc119	0	0	0
Rab34	0	0	0
Sdf2	0	0	0
Ccne1	0	0	0
Hsf2bp	0	0	0
Bbc3	0	0	0
Mybpc3	0	0	0
Psmc3	0	0	0
Acp2	0	0	0
Rapsn	0	0	0
Slc39a13	0	0	0
Celf2	0.188406125	0.195773333	0.193034098
Nr1h3	0	0	0
Ddb2	0	0	0
Spil	0	0	0
Sf3a1	0	0	0
Stat6	0	0	0
Clgn	0	0	0
Napsa	0	0	0
Vrk3	0	0	0
Smg9	0	0	0
Paxip1	0	0	0
Rmnd5a	0	0	0
Mov10	0	0	0
Ppm1j	0	0	0
Rhoc	0	0	0
Prr27	0	0	0

Tead3	0	0	0
Ppard	0	0	0
Def6	0	0	0
Peg3	0	0	0
Zim1	0	0	0
Metrn	0	0	0
Lmf1	0	0	0
Narf1	0	0	0
Angptl4	0	0	0
Dbf4	0	0	0
Daxx	0	0	0
Cd320	0	0	0
Ipo4	0	0	0
Tm9sf1	0	0	0
Rec8	0	0	0

“细胞坐标” 样例数据（供展示）

	x	y
cell1	6600	10500
cell2	6600	10600
cell3	6600	10700

“细胞信息” 样例数据（供展示）

	orig. ident	area	dnbCount
cell1	sample	9	9
cell2	sample	8	1
cell3	sample	8	8