

Supplemental Table 6. Immaturity marker genes that are differentially expressed between the *Beta1* and *Beta4* clusters. Marker genes are based on Qiu et al. (2017). Positive coef depicts higher expression in *Beta4* , whereas negative coef reflects higher expression in *Beta1* .
Related to Figure 5 .

Names	Pr(>Chisq)	coef	ci.hi	ci.lo	FDR
<i>Chgb</i>	0	1.814386091	3.074810032	0.553962149	0
<i>Gc</i>	0	1.265047339	1.379382279	1.150712399	0
<i>Rps18</i>	0	1.06460688	1.506681516	0.622532244	0
<i>Rps2</i>	0	0.926715577	1.398102088	0.455329067	0
<i>Gnas</i>	0	0.819776294	1.300638617	0.338913971	0
<i>Rps28</i>	5.4456E-293	0.796993992	1.098336649	0.495651334	3.9437E-291
<i>Rpl21</i>	0	0.762406853	1.160054313	0.364759393	0
<i>Rpl29</i>	0	0.723415728	0.901476222	0.545355234	0
<i>Cox7c</i>	0	0.709325969	1.111927319	0.30672462	0
<i>Txnip</i>	0	0.704101107	0.978452096	0.429750117	0
<i>Rpl4</i>	0	0.655008439	1.105961996	0.204054882	0
<i>Rpl35a</i>	0	0.642933624	0.973854677	0.312012571	0
<i>Rplp0</i>	0	0.640143402	0.779500469	0.500786336	0
<i>Rpl15</i>	0	0.624506946	0.975182056	0.273831836	0
<i>Rpsa</i>	0	0.531751111	1.006405266	0.057096955	0
<i>Rpl41</i>	0	0.528187151	0.65934474	0.397029563	0
<i>Sec61b</i>	0	0.524337685	0.754225521	0.294449848	0
<i>Rpl18</i>	1.6818E-268	0.515031283	0.941931167	0.088131398	1.0876E-266
<i>Rps3</i>	0	0.504810797	0.832136413	0.177485181	0
<i>Rps25</i>	3.9098E-294	0.50083433	0.918920816	0.082747843	2.8712E-292
<i>Rps16</i>	0	0.486377512	0.772824159	0.199930865	0
<i>Rps19</i>	4.9547E-272	0.482328842	0.71699427	0.247663414	3.2716E-270
<i>Rpl17</i>	0	0.482174951	0.745613745	0.218736157	0
<i>Rpl18a</i>	9.4701E-289	0.480744817	0.88170329	0.079786344	6.7955E-287
<i>Eef1a1</i>	0	0.462152094	0.677667737	0.246636451	0
<i>Rpl23</i>	0	0.446050499	0.624814686	0.267286312	0
<i>Rpl6</i>	0	0.433819328	0.662717219	0.204921436	0
<i>Rpl32</i>	0	0.430262694	0.53822965	0.322295739	0

<i>Eef1b2</i>	0	0.424342649	0.792049392	0.056635906	0
<i>Rpl22l1</i>	3.7866E-69	0.414646296	0.684048367	0.145244225	6.79297E-68
<i>Spcs1</i>	0	0.411944526	0.727949793	0.095939258	0
<i>Rps29</i>	0	0.402866654	0.528986448	0.27674686	0
<i>Rplp2</i>	6.803E-185	0.399910042	0.678987011	0.120833074	3.0286E-183
<i>Rps15a</i>	1.1847E-172	0.395202916	0.610808209	0.179597623	4.7982E-171
<i>Cox6a1</i>	1.1803E-195	0.37877199	0.572930948	0.184613033	5.6379E-194
<i>Rps26</i>	1.7875E-149	0.37673159	0.755577703	-0.002114523	6.341E-148
<i>Rps11</i>	0	0.371363713	0.59283522	0.149892207	0
<i>Rpl38</i>	0	0.361832237	0.436508044	0.287156431	0
<i>Rpl13</i>	6.6997E-284	0.357879639	0.747193782	-0.031434503	4.7003E-282
<i>Atp5g1</i>	3.9631E-125	0.349048964	0.708190598	-0.010092671	1.1818E-123
<i>Rps14</i>	0	0.335654381	0.482307251	0.189001511	0
<i>Cox4i1</i>	5.6112E-147	0.322786866	0.79596884	-0.150395108	1.9552E-145
<i>Ndufb11</i>	2.1116E-282	0.318630774	0.66818369	-0.030922141	1.4683E-280
<i>Actb</i>	3.73963E-13	0.315987953	0.709783755	-0.077807848	1.88966E-12
<i>Rps7</i>	3.2648E-270	0.299927628	0.640739734	-0.040884478	2.1289E-268
<i>Rpl37</i>	8.5236E-186	0.297998831	0.449250878	0.146746783	3.8491E-184
<i>Rps27l</i>	6.3876E-280	0.296047802	0.49406073	0.098034875	4.3644E-278
<i>Rpl11</i>	6.3355E-223	0.293434883	0.52143567	0.065434096	3.445E-221
<i>Kcnk16</i>	3.186E-104	0.292679514	0.388125573	0.197233456	7.9982E-103
<i>Gpx3</i>	0	0.292115048	0.35094024	0.233289856	0
<i>Hint1</i>	0	0.288516684	0.550616553	0.026416815	0
<i>Tmsb10</i>	0	0.287039134	0.338746017	0.235332251	0
<i>Rpl27</i>	6.7931E-278	0.276218258	0.502068984	0.050367532	4.6214E-276
<i>Fau</i>	2.49048E-32	0.273610324	0.567693066	-0.020472418	2.43243E-31
<i>Ssr2</i>	0	0.267851652	0.474017807	0.061685497	0
<i>Rps4x</i>	3.4263E-186	0.255509704	0.32918772	0.181831689	1.5517E-184
<i>Rps5</i>	3.4663E-267	0.254585492	0.770601397	-0.261430413	2.2144E-265
<i>Rps13</i>	6.3314E-196	0.248313179	0.352745969	0.14388039	3.0335E-194
<i>Atp5e</i>	1.89E-120	0.234943726	0.488643309	-0.018755858	5.4003E-119
<i>Spint2</i>	0	0.234570008	0.451665545	0.017474471	0
<i>Rpl35</i>	2.2037E-157	0.227096199	0.417265508	0.036926889	8.3047E-156

<i>Tspan7</i>	0	0.221332833	0.296781829	0.145883836	0
<i>Rpl10a</i>	3.2206E-175	0.220704976	0.620610481	-0.179200528	1.3319E-173
<i>Rpl39</i>	0	0.21677793	0.552143489	-0.11858763	0
<i>Rpl30</i>	8.8723E-106	0.213280335	0.389588701	0.036971969	2.2525E-104
<i>Swi5</i>	0	0.21046814	0.3609555	0.05998078	0
<i>Cox5b</i>	1.2838E-142	0.201646834	0.374100829	0.029192839	4.3016E-141
<i>Rpl36</i>	7.40584E-13	-0.263348744	0.085803724	-0.612501212	3.67023E-12
<i>Ptma</i>	2.1481E-145	-0.618433156	-0.252297623	-0.984568689	7.3869E-144