**Figure 3-source data 1**

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| --- | --- | --- | --- | --- |
| Transcription factor | Expression in mouse/human islets (mature/adults) | Zebrafish orthologue  | Expression in zebrafish islets (mature/adults) | Functional orthologue/paralogue or equivalent in zebrafish |
| *Neurod1* | Pan-endocrine | *neurod1* | Pan-endocrine |  |
| *Pax6* | Pan-endocrine | *pax6b* | Pan-endocrine | pax6b |
| *Isl1* | Pan-endocrine | *isl1* | Pan-endocrine |  |
| *Pdx1* | β-cells, δ-cells | *pdx1* | β-cells, sst1.1 δ-cell (this study) |  |
| *Nkx6.1* | β-cells | *nkx6.1* | Not expressed in mature islet cells | *nkx6.2* in β-cells |
| *Nkx6.2* | Not detected in mature islet cells | *nkx6.2* | β-cells  |  |
| *Mnx1* | β-cells | *mnx1* | β-cells and α-cells  |  |
| *Hhex* | δ-cells | *hhex* | δ-cells |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Transcription factor | Expression in mouse/human pancreaticprogenitors | Zebrafish orthologue  | Expression in pancreatic progenitors | Functional orthologue/paralogue or equivalent in zebrafish |
| *Ascl1 (previously Mash1)* | Not expressed in mature islet cells | *ascl1b* | Not expressed in mature islet cells | *ascl1b* |
| *Neurog3* | Endocrine progenitors. Not expressed in mature islet cells | *neurog3* | No expression in zebrafish pancreas | *ascl1b and neurod1* in embryonic progenitors  |
| *Nkx6.1* | Pancreatic embryonic progenitors(ducts) | *nkx6.1* | Pancreatic embryonic progenitors and duct cells |  |
| *Sox9* | Pancreatic embryonic progenitors | *sox9b* | Pancreatic embryonic progenitors | *sox9b* |
| *Pdx1* | Pancreatic embryonic progenitors and duct cells | *Pdx1* | Pancreatic embryonic progenitors and duct cells |  |