

Errata for
Unveiling the molecular and behavioral properties of
hindbrain rhombomere centers

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Errata

Page 3. Misspelling: “*In vitro* system” – corrected to “*In vitro* systems”

Page 4. Words missing: “Addressing how cell diversification requires” – corrected to “Addressing how cell diversification is acquired requires”

Page 4. Words missing: “(ii) reveal the derivatives” – corrected to “(ii) clonal analysis reveal the derivatives”

Page 5. Preposition missing: “inability properly” – corrected to “inability to properly”

Page 6. Misspelling: “along de anterior” – corrected to “along the anterior”

Page 9. Missing word: “capacities domain-specific” – corrected to “capacities are domain-specific”

Page 9. Missing plural: “PN and NN division” – corrected to “PN and NN divisions”

Page 11. Extra word: “transcription factors that which activate” - corrected to “transcription factors that activate”

Page 13. Extra word: “expression of the *glast*” - corrected to “expression of *glast*”

Page 14. Incorrect order of concepts: “While the firsts are Notch-dependent [...] the later are groups of neural progenitors characterized” - corrected to “While proneural clusters are Notch-dependent [...] progenitor pools are groups of neural progenitors characterized”

Page 14. Mistaken full stop: “dividing cells and. engaged” - corrected to “dividing cells and engaged”

Page 20. Missing word: “the other around” – corrected to “the other way around”

Page 21. Missing word: “according to the cell cycle” – corrected to “according to the cell cycle phase”

Page 25. Mistaken reference: “acting as non-neurogenic territories (Voltes et al. 2019)” – corrected to “acting as non-neurogenic territories”

Page 26. Misspelling: “neuroexpithelial” – corrected to “neuroepithelial”

Page 27. Misallocated figure reference: “(Figure 9A,B)” – corrected to “most dorsal domain (Figure 9A,A')” and to “placed more laterally (Figure 9B,B')”

Page 27. Missing preposition: “organized a spatiotemporal manner” – corrected to “organized in a spatiotemporal manner”

Page 37. Missing word: “little is known what” – corrected to “little is known about what”.

Page 37. Misspelling: “pan-neuronal” – corrected to “pan-neural”.

Page 38. Mistaken lettering in figure reference: “(Figure 12A-D)” – corrected to “(Figure 12A-C,c)” // “(Figure 12D)” – corrected to “(Figure 12C,c)”.

Page 38. Missing reference: “cortex (ref)” – corrected to “cortex (Fabra-Beser et al., 2021; Kaplan et al., 2017)” // “spinal cord (ref)” – corrected to “spinal cord (Stolt et al., 2003)”.

Page 40. Misspelling: “*sc1a2a*” – corrected to “*slc1a2a*”.

Page 40. Mistaken lettering in figure reference: “(Figure 12D-E, H-I)” – corrected to “(Figure 12D, H)” // “(Figure 12F-H, I-L)” – corrected to “(Figure 12E-G, I-K)” // “(Figure 12E,I)” – corrected to “(Figure 12D-E, H-I)” // “(Figure 12F-H, J-L)” – corrected to “(Figure 12F-G, J-K)” // “(Figure M-M)” – corrected to “(Figure 12L, l)” // “(Figure N-N)” – corrected to “(Figure 12M, m)” // “(Figure O-P)” – corrected to “(Figure 12N, O)” // “(Figure P'-P'’)” – corrected to “(Figure 12O,o)” // “(Figure 13A-A',a-a'’)” – corrected to “(Figure 13A-A', b-b'’)” // “(Figure 13A-A',b-b'’)” – corrected to “(Figure 13A-A', c-c'’)”.

Page 40. Rephrasing of a misleading sentence: “On the other hand [...] (Gonzalez-Quevedo et al. 2010)” - corrected to “These observations indicate that cells within rhombomere centers are non-committed RGC progenitors, and the low proneural expression suggests this region is not mainly engaged in neurogenesis. On the other hand, *asc11b* expression was very strong in the neuronal committed precursors at the neighboring regions (Figure 13A-A', c-c'’) indicating these concentrate the main neurogenic activity, in line with previous work (Gonzalez-Quevedo et al. 2010)”.

Page 41. Missing preposition: “translated into different behavior” – corrected to “translated into a different behavior”.

Page 41. Rephrasing: “and use positional repairs based on the use of the Mu4127 line” – corrected to “Therefore, we resorted on the Mü4127 line”.

Page 42. Missing word: “zebrafish transgenic embryo” – corrected to “zebrafish transgenic embryo lines”.

Page 42. Mistaken full stop: “respectively, and tracked the different cells over long periods of time. For this, we generated clones”- corrected to “respectively. We tracked individual cells over long periods of time, for which we generated clones”

Page 42. Mistaken lettering in figure reference: “(Figure 14C, D)” – corrected to “(Figure 14C)”.

Page 46. Rephrasing: “onset of expression of the RGC markers in his population” – corrected to “coinciding with the temporal window when RGC markers are fully expressed”

Page 48. Repeated words: “Müller Glia downstream notch3, thereby” - corrected to “Müller Glia, thereby”

Page 49. Verb tense: “we conditionally abrogated” - corrected to “by conditionally abrogating”

Page 49. Extra words: “inhibitor of the and therefore of Notch-pathway” – corrected to “inhibitor of the Notch-pathway”

Page 49. Missing sentence in reference to Figure 19E: “Co-expression of *hey1* and *notch3* in rhombomere centers suggested both factors might cooperate in the hindbrain as well (Figure 19E, see transverse inserts)”.

Page 49. Mistaken lettering in figure reference “(Figure 20E-J, E'-J'”) – corrected to “(Figure 20E-J, e-j)”

Page 50/58. Misspelling: “Tg[tp1:d2GP]” – corrected to “Tg[tp1:d2GFP]”.

Page 50. Misspelling: “treating” – corrected to “treated”.

Page 51. Misspelling: “these data” – corrected to “this data”

Page 51. Missing words: “To further dissect the Notch-pathway involved” – corrected to “To further dissect how the Notch-pathway was involved”

Page 53. Missing letters to figures: *fabp7a* wt (A), *fabp7a hey1^{ha11/ha11}* (C), *ascl1b* wt (B), *ascl1b hey1^{ha11/ha11}* (D).

Page 53. Mistaken word: “*hey1* inhibition was not the single Notch-effector” corrected to “*hey1* is not the single Notch-effector”

Page 56. Rephrasing of a misleading sentence: “One of the key factors identified as” – corrected to “Considering this last possibility, we decided to explore gliogenic signals in the hindbrain, focusing on one of the key factors previously identified as”

Page 57. Misspelling plural: “these observation” – corrected to “these observations”

Page 57. Missing lettering in figure reference: “(Figure 26F)” – corrected to “(Figure 26F,F’)”

Page 59. Mistaken letter: “build up a e CRISPR/Cas9” – corrected to “build up a CRISPR/Cas9”

Page 59. Misspelling: “represents as versatile” – corrected to “represents a versatile”

Page 61. Mistaken number in figure reference: “(Figure 5)” – corrected to “(Figure 29A)”

Page 61. Missing lettering in figure reference: “(Figure 29A)”

Page 63. Missing figure reference: “*nfia* endogenous expression (Figure 30A-C, A'-C).”

Page 65. Missing table reference: “recognition by the Cas9 (Table 3)”

Page 67. Mistaken number in table reference: “Table 6” – corrected to “Table 5”

Page 72. Mistaken reference: “*sox9b^{b971}* terminal deletion mutations (Yan et al. 2005)” - corrected to “*sox9a^{tw37}* null mutants (Yan et al., 2002)”

Page 75. Rephrase misleading sentence: “non-proliferative state in both the adult telencephalon and in retinal Muller Glia cells (Sahu et al., 2021).” – corrected to “non-

proliferative state in the adult telencephalon (Than-Trong et al., 2018), or in a slow-proliferative mode in both retinal Muller Glia cells (Sahu et al., 2021) and embryonic mouse cortex (Harada et al., 2021)”

Page 76 Concept repetition: “Despite few *delta*-positive cells can be observed within rhombomere centers, *delta* ligand expression of within the center of the rhombomeres is very low,” – corrected to “Despite few *delta*-positive cells can be observed within rhombomere centers, *delta* expression is very low,

Page 77. Misspelling: “maintain progenitors” – corrected to “in the maintenance of progenitors”

Page 77. Missing word “poses as putative” – corrected to “poses as a putative”.

Page 77. Mistaken word: “delve into how notch3/hey1 function” – corrected to “delve into the notch3/hey1 function”

Page 79. Mistaken word: “*hey1* is not the only factor” – corrected to “*hey1* is not the factor”

Page 80. Missing reference: HLH domains (ref) – corrected to “(Iso et al., 2001)

Page 82. Mistaken pronoun: “if it indeed hey1 is” – corrected to “if indeed *hey1* is”