

*Tectonics*

**Evolution of a normal fault system along eastern Gondwana, New Zealand**

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A close up of a map

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Supplementary figure 1. A TWT (ms) structure map of the basement in the GSB showing intersected faults and drilled wells.

A picture containing text

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Supplementary figure 2. TWT (ms) structure maps of K40, K65, K80, P00 and P10 horizons are shown in figures a–e respectively.

A close up of a map

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Supplementary figure 3. Isochron map of P00–P10 interval (~66–56 Ma) in TWT (ms). Active fault at ~66 Ma and the drilled wells are displayed on this map.

**Introduction**

We have provided some supporting information (i.e., three supplementary figures, Supplementary figures 1–3) along with the revised manuscript. Reference to these figures are included in the caption of Figure 7 in the revised manuscript. These supplementary figures were provided to address some of the reviewer’s comments. These supplementary figures are also included in the letter “Response to Reviewer”. Horizons and faults interpretations used to prepare these figures are described in section 3 (Data and Methods) in the main manuscript.