



Fig. 9. Three-dimensionalised transects of the S-wave velocity structures, with other evidence of lithospheric and tectonic processes overlain. Red solid arrows in the asthenosphere and lithospheric mantle mark magmatic channel prior to 40 Ma for the Shuangliao volcanoes; red dashed arrow mark possible intrusion around the channel. Purple dashed arrows mark possible magmatic intrusion at present. Other symbols are as in Figs. 1 and 7.