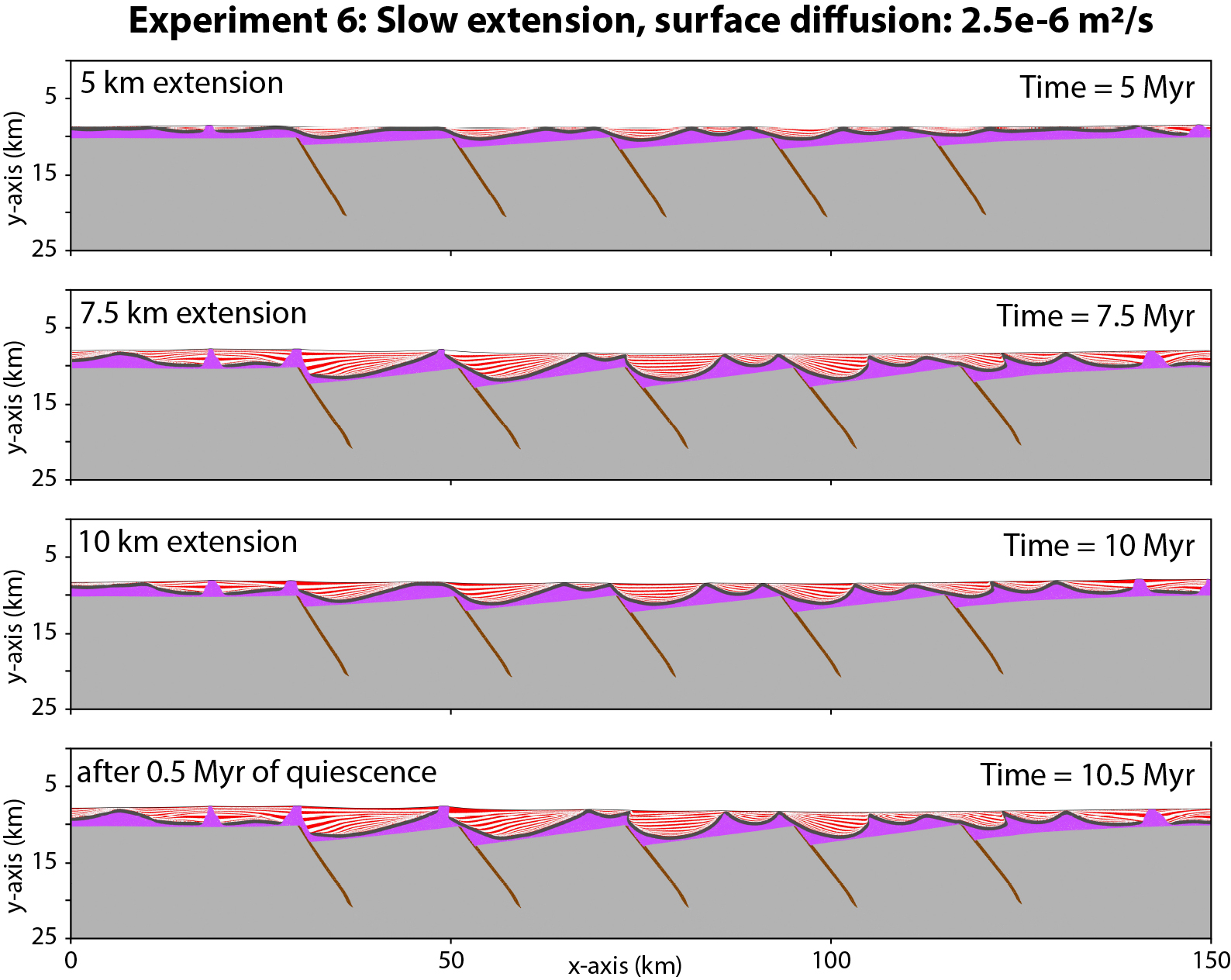
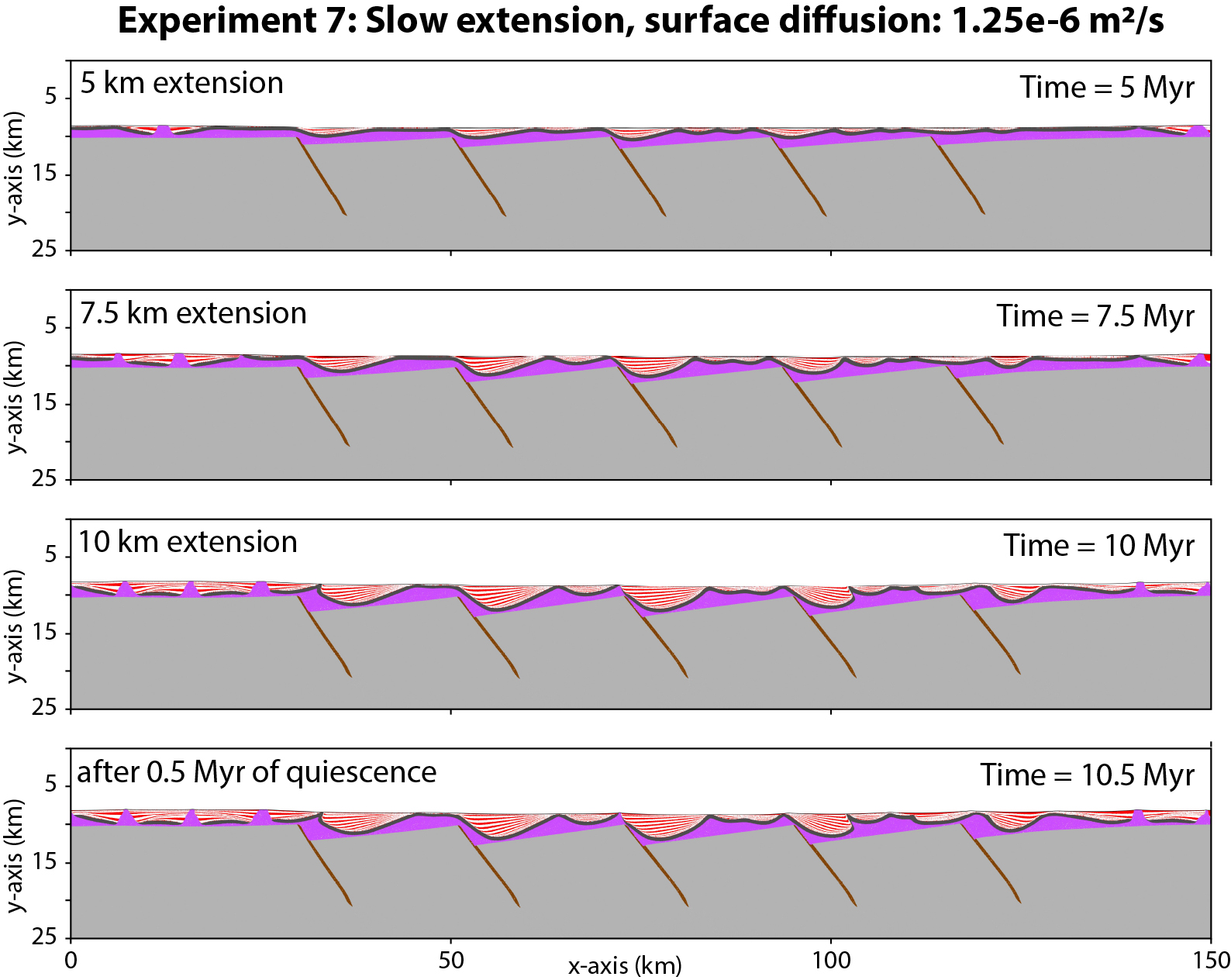


**Figure S1.** Marker composition of thick-skinned extension and tectonic quiescence with a linear viscous salt rheology, a slow extension rate = 1 mm/yr, and a surface diffusion coefficient of 5·10-6 m2/s. See Fig. 2 for color code.



**Figure S2.** Marker composition of thick-skinned extension and tectonic quiescence with a linear viscous salt rheology, a slow extension rate = 1 mm/yr, and a surface diffusion coefficient of 2.5·10-6 m2/s. See Fig. 2 for color code.



**Figure S3.** Marker composition of thick-skinned extension and tectonic quiescence with a linear viscous salt rheology, a slow extension rate = 1 mm/yr, and a surface diffusion coefficient of 1.25·10-6 m2/s. See Fig. 2 for color code.