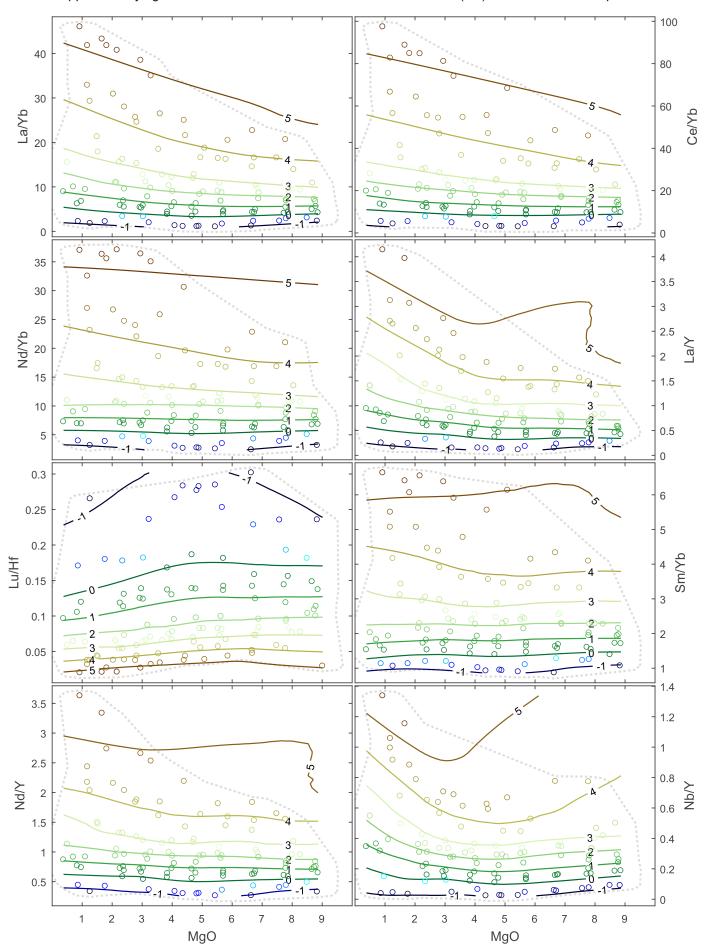
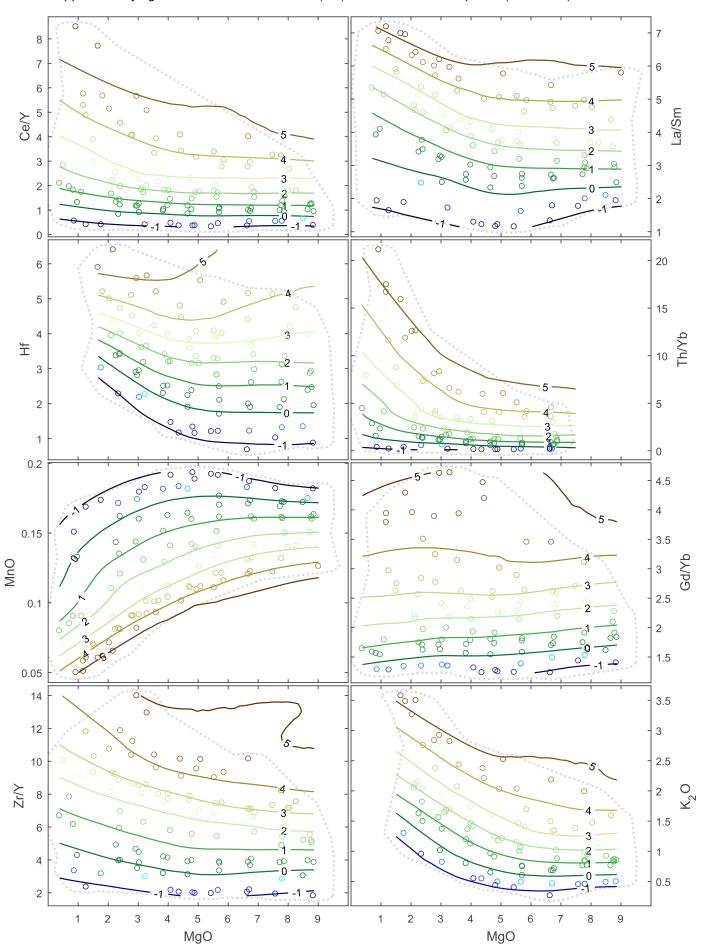
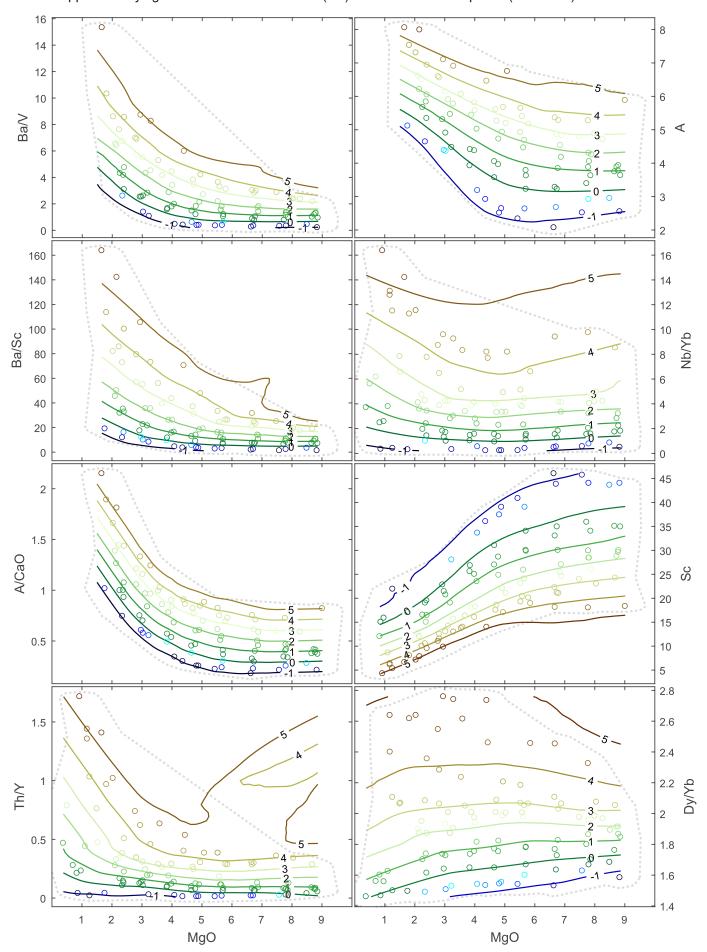
Supplementary figure S1. Reference Elevation Models: contour lines (km) and calibration datapoints



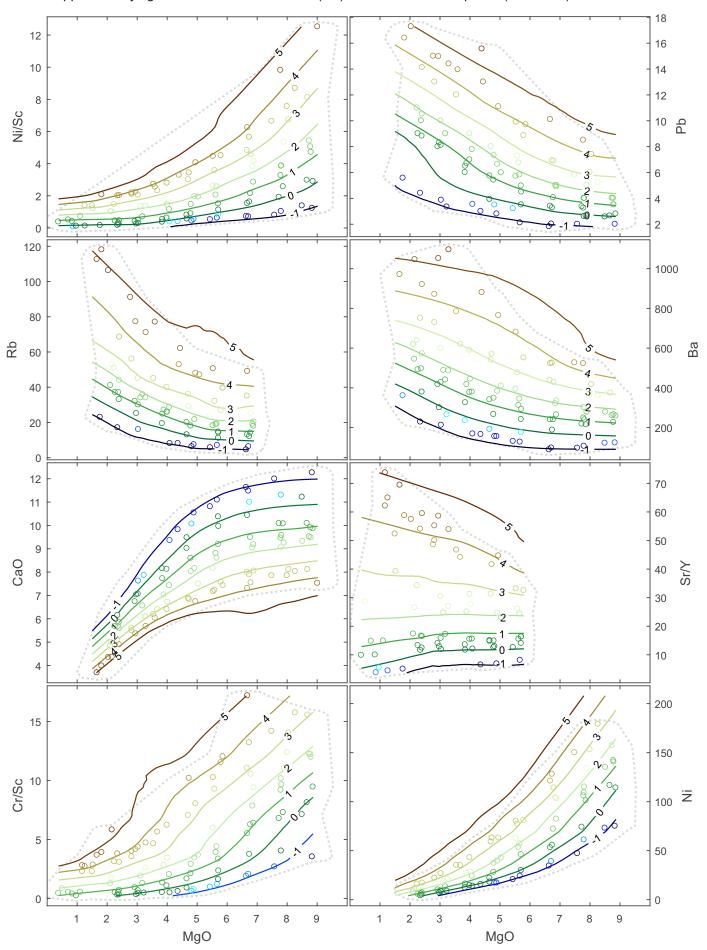
Supplementary figure S1. REM: contour lines (km) and calibration datapoints (continued)



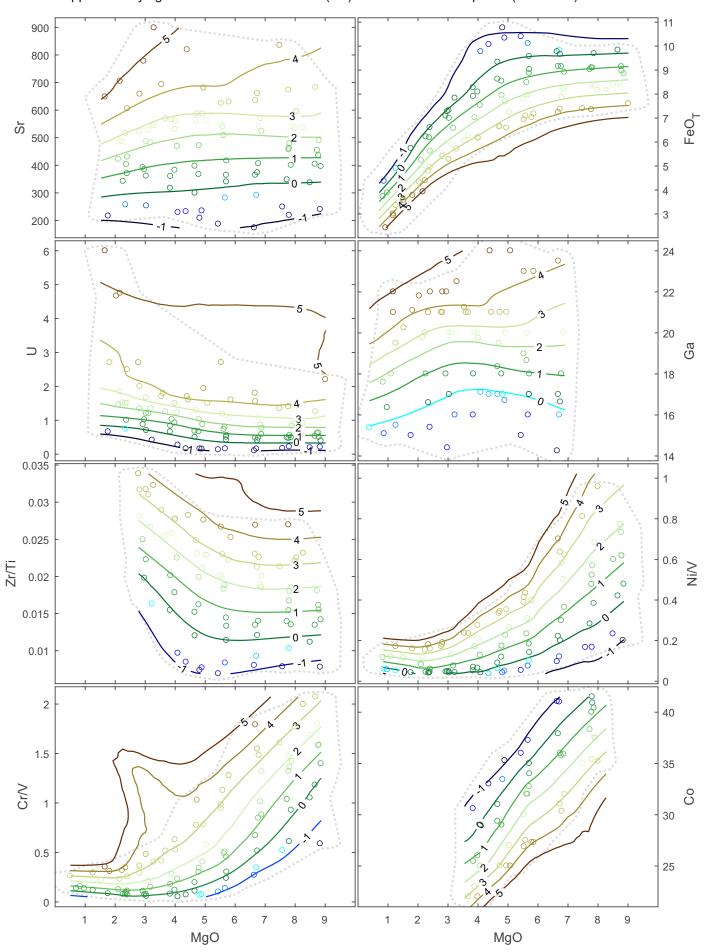
Supplementary figure S1. REM: contour lines (km) and calibration datapoints (continued)



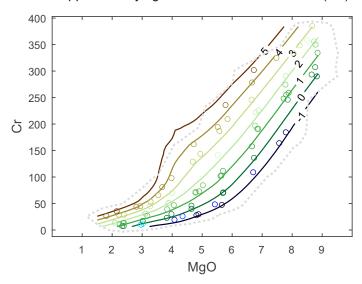
Supplementary figure S1. REM: contour lines (km) and calibration datapoints (continued)

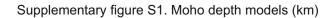


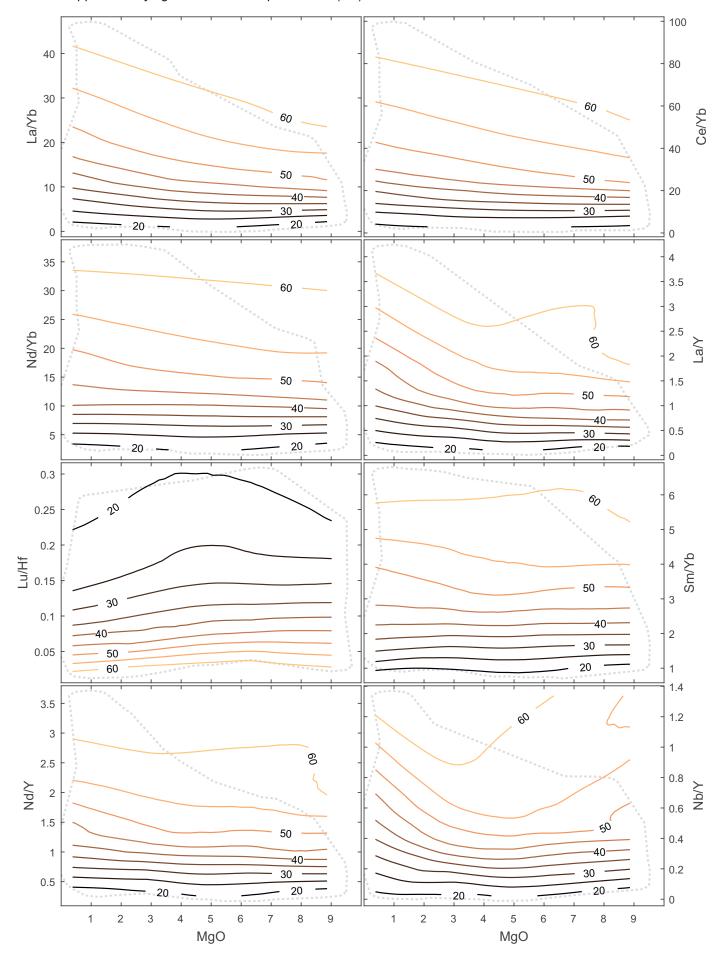
Supplementary figure S1. REM: contour lines (km) and calibration datapoints (continued)



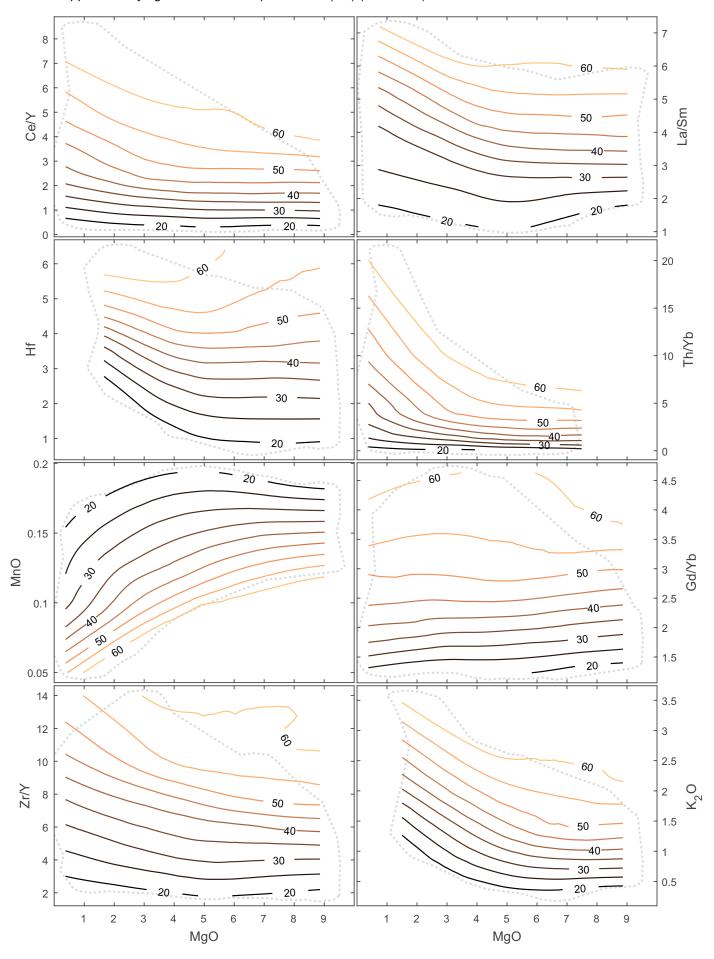
## Supplementary figure S1. REM: contour lines (km) and calibration datapoints (continued)







Supplementary figure S1. Moho depth models (km) (continued)

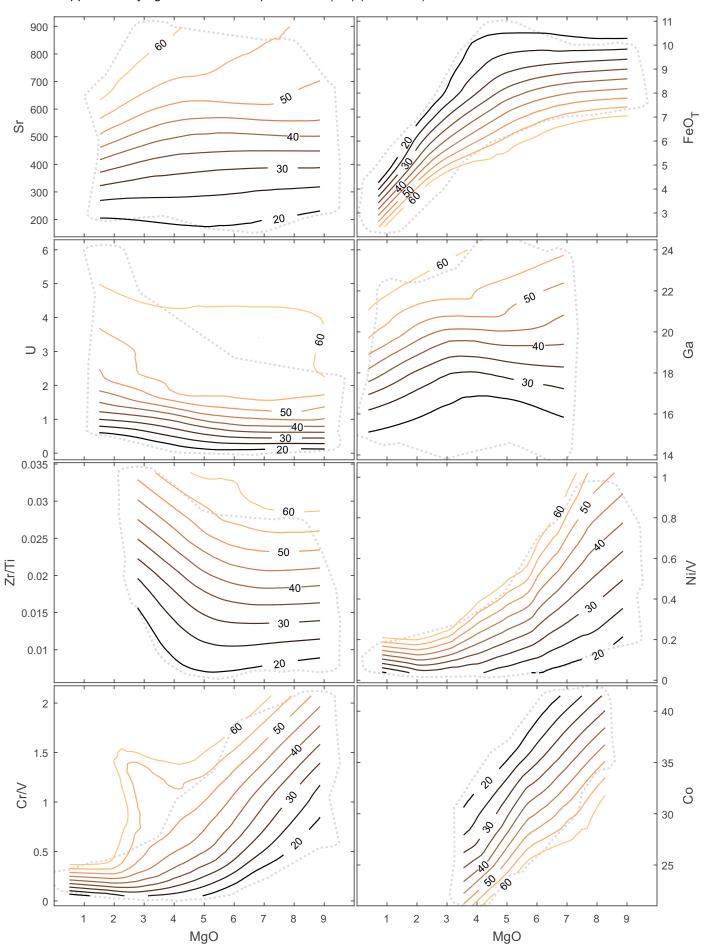


Supplementary figure S1. Moho depth models (km) (continued) Ba/V ⋖ 40-30 -Ba/Sc Nb/Yb 50 40 30 1.5 A/CaO 25 S 50 60 0.5 2.8 1.5 2.6 2.4 Dy/Yb 2.2 Th/Y 0.5 1.8 1.6 1.4 MgO MgO

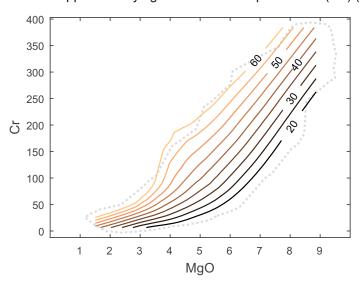
Supplementary figure S1. Moho depth models (km) (continued) S Ni/Sc Pb Rb Ва CaO b Ś B Cr/Sc <sub>100</sub> Ξ MgO

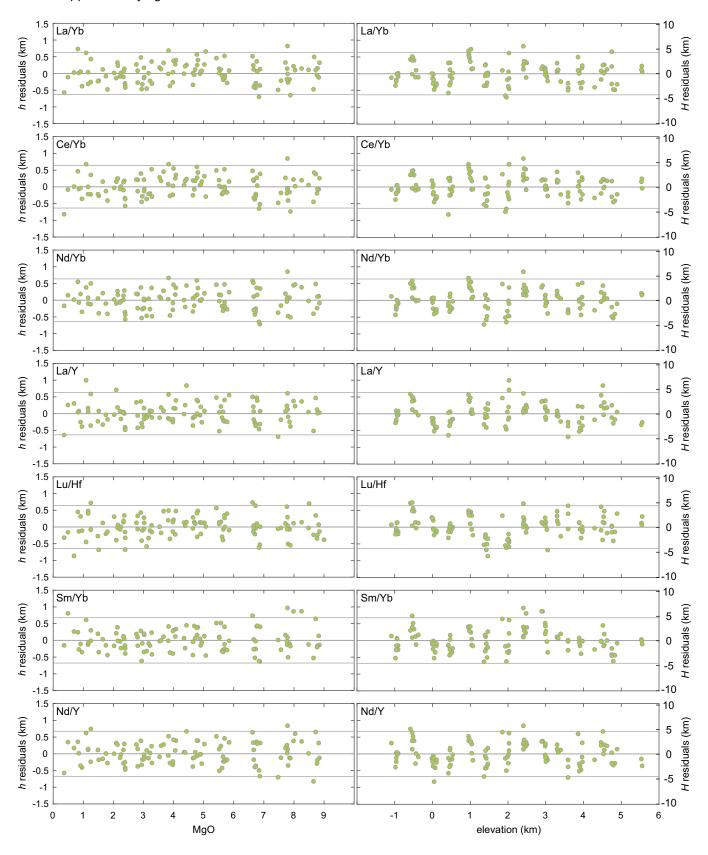
MgO

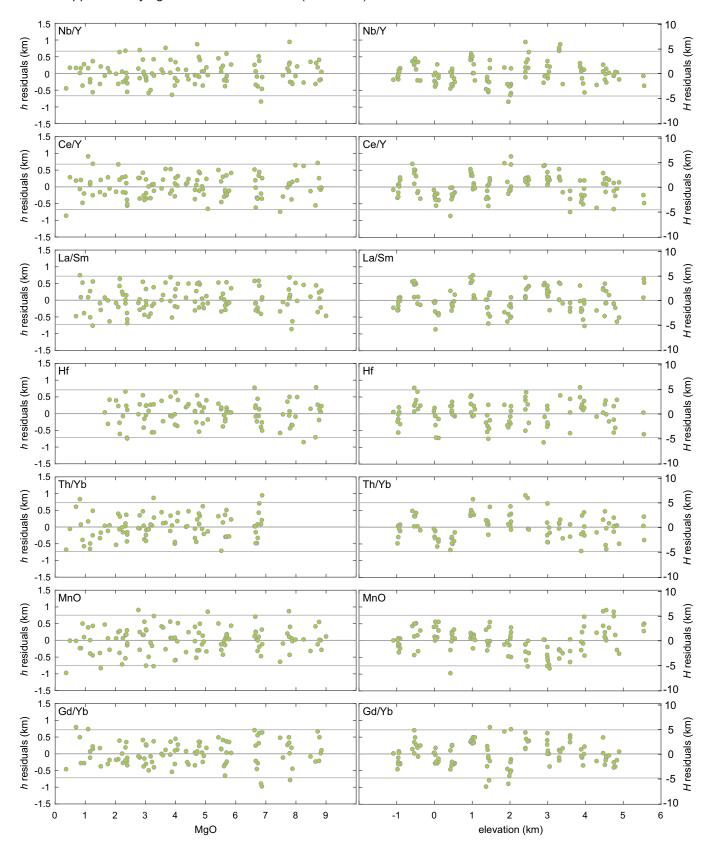
Supplementary figure S1. Moho depth models (km) (continued)

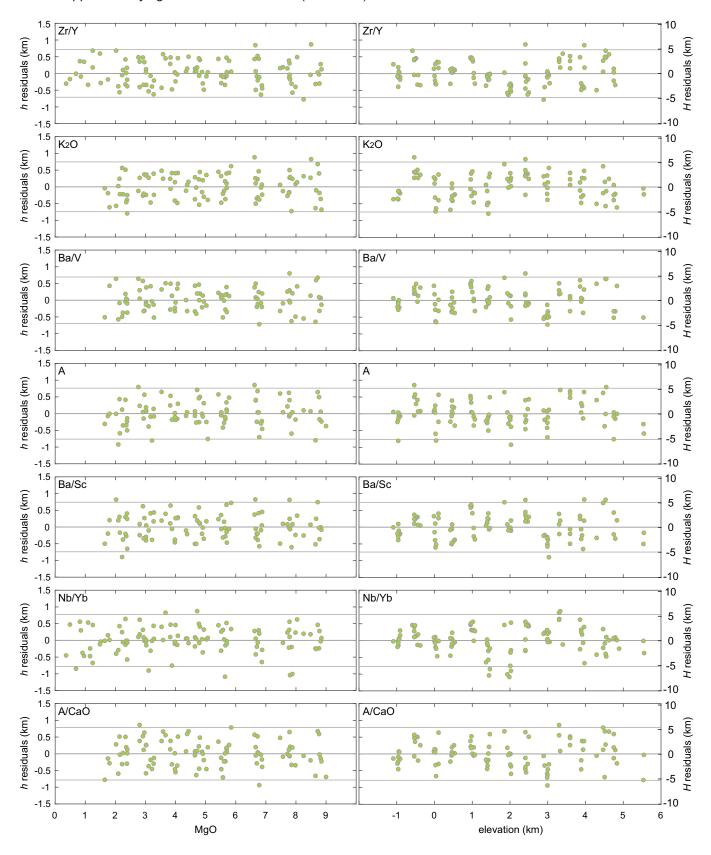


## Supplementary figure S1. Moho depth models (km) (continued)

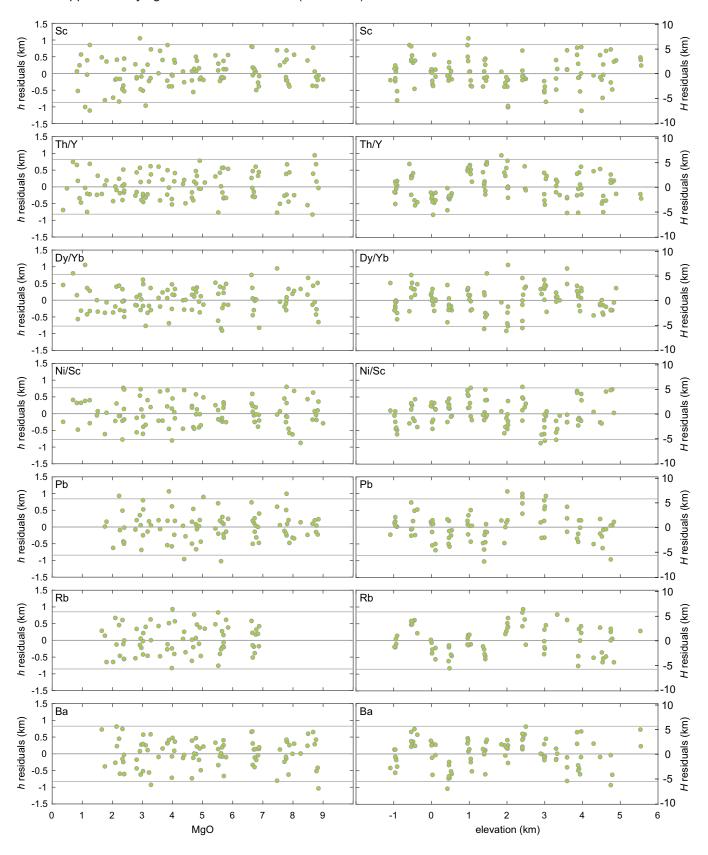


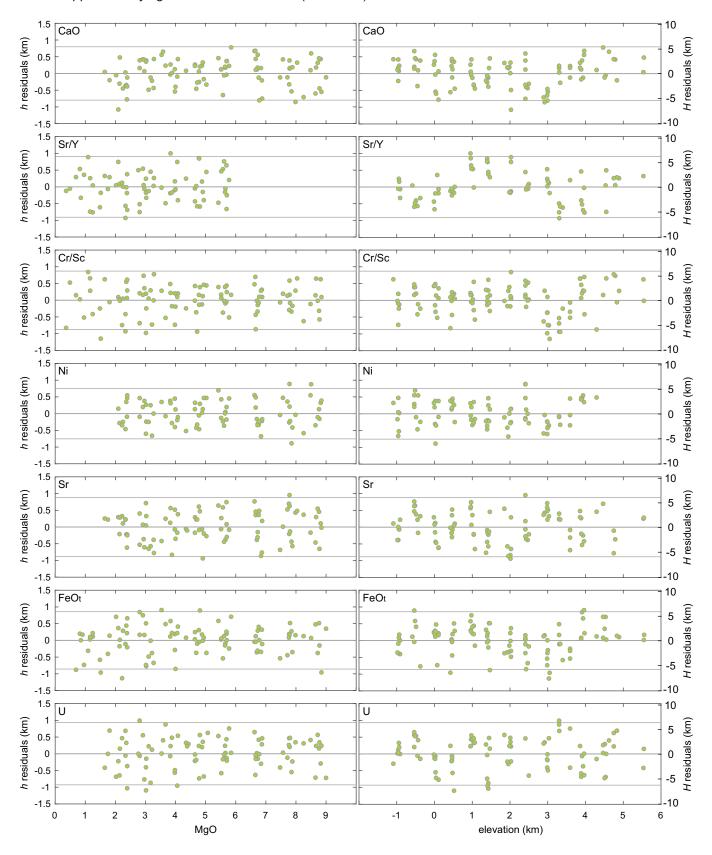






## Supplementary figure S1. REM residuals (continued)





## Supplementary figure S1. REM residuals (continued)

