



AGU Advances

Supporting Information 2 for

**Strong Physical Contrasts across Two Mid-lithosphere
Discontinuities beneath the Northwestern United States: Evidence for
Cratonic Mantle Metasomatism**

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Contents of this file

- Table S1

Introduction

This supplementary information contains Supplementary Table 1

Surface heat flow (mW m^{-2})	45
Crustal heat production ($\mu\text{W m}^{-3}$)	0.4/0.5/0.6/0.7
Mantle heat production ($\mu\text{W m}^{-3}$)	0.03
Crustal thickness (km)	50
Crustal thermal conductivity ($\text{W m}^{-1}\text{K}^{-1}$)	2.6
Mantle thermal conductivity ($\text{W m}^{-1}\text{K}^{-1}$)	2.8

Table S1. Parameters for computing the geotherms in Fig. 8.