

| Period (sec) | Rayleigh wave | | Love wave | |
|--------------|-----------------------------|---------------------------------|-----------------------------|---------------------------------|
| | Damping factor (α) | Correlation length (σ) | Damping factor (α) | Correlation length (σ) |
| 1 to 7 | 44 | 26 | 46 | 20 |
| 8 to 15 | 46 | 28 | 46 | 20 |
| 16 to 25 | 48 | 28 | 48 | 24 |
| 26 to 35 | 48 | 32 | 48 | 26 |
| 36 to 50 | 50 | 34 | 50 | 26 |

Table S2. Values selected for damping factor (α) and correlation length (σ) in km for each period rang during the group velocity inversion.