Table 1. Earthquake numbers and averaged magnitude for each magnitude bins.

Magnitude	Event number	Averaged magnitude
M=[0.7 0.9]	7924	0.7879
M=[1.0 1.7]	8754	1. 2647
M=[1.8 2.6]	2509	2. 0988
M>=2.7	768	3. 1924

Table 2. Correlated earthquake numbers within 12 hours for each distance and magnitude bin.

Magitude\Distance	0-8 km	8-11 km	11-14 km	14-17 km	17-20 km
M=[0.7 0.9]	25	52	77	91	105
M=[1.0 1.7]	23	62	90	96	113
M=[1.8 2.6]	5	21	29	42	33
M>=2.7	5	14	14	13	11

Table 3. Averaged magnitude of correlated earthquakes within 12 hours for several distance and magnitude bin.

Magnitude\Distance	0-8 km	8-11 km	11-14 km	14-17 km	17-20 km
M=[0.7 0.9]	0.7720	0.7885	0.7992	0.7912	0.8038
M=[1.0 1.7]	1.2348	1.2742	1.2756	1.3010	1.2805
M=[1.8 2.6]	2.0600	2.1810	2.1310	2.0786	2.1545
M>=2.7	3.1600	3.3143	3.2214	3.2000	3.6636

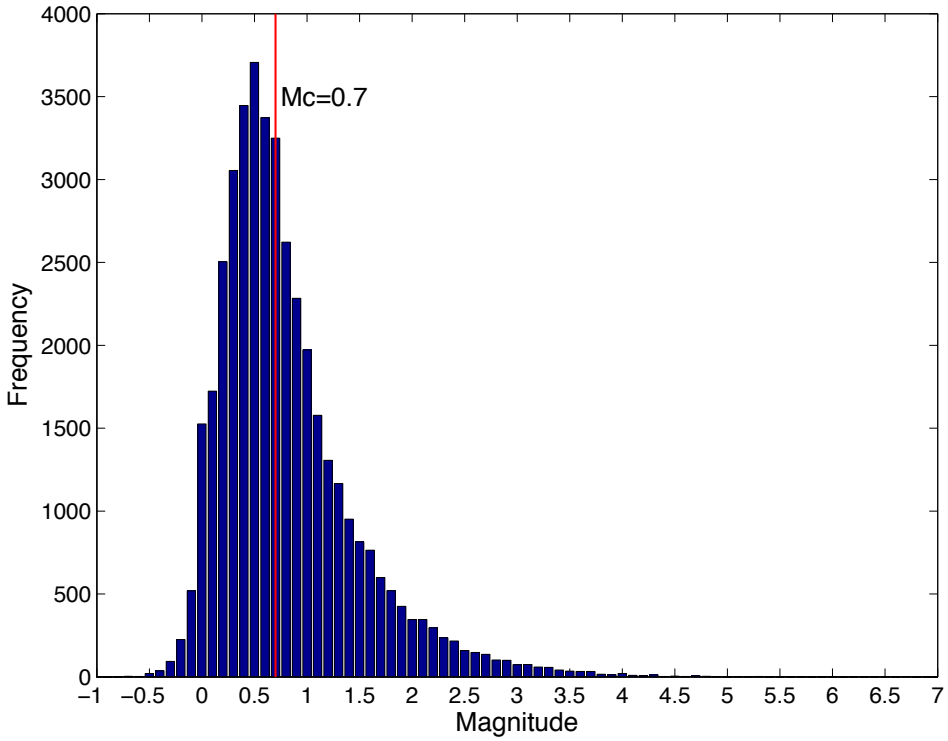

Figure S1. Intraslab earthquake magnitude histogram. We choose M=0.7 as magnitude of completeness.

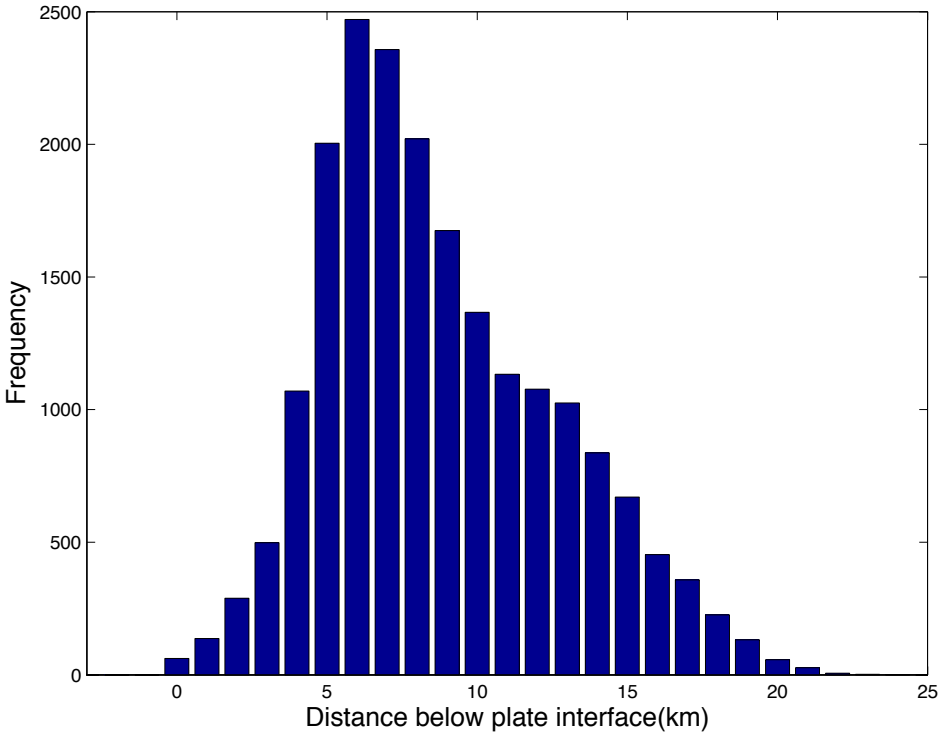

Figure S2. Histogram of intraslab earthquakes distance below plate interface. The total number of intraslab earthquakes we used in this study is 19955.

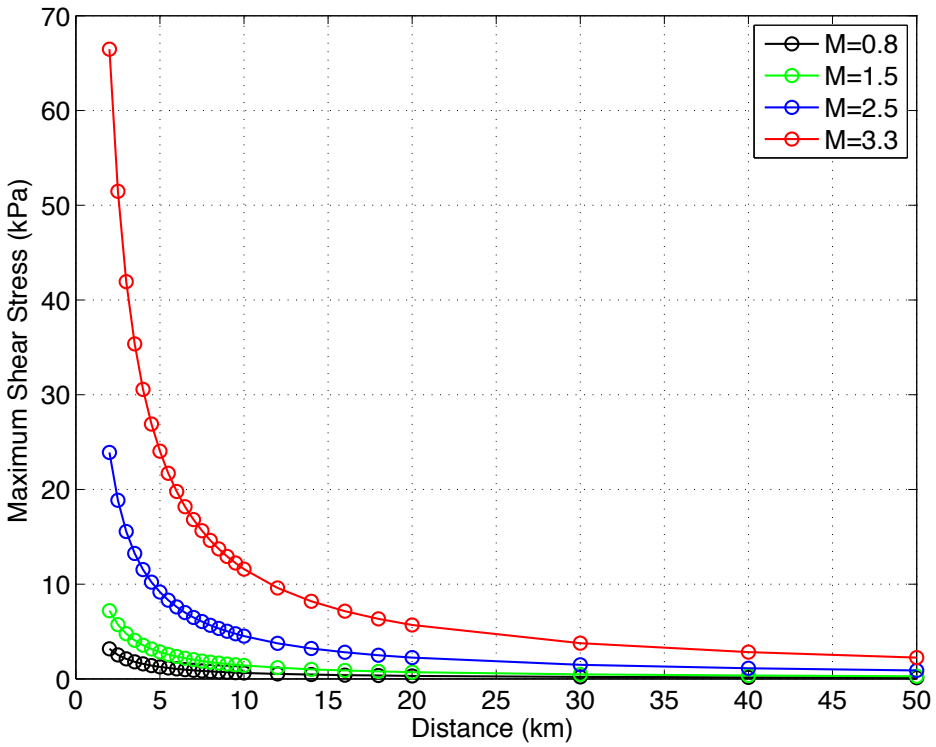

Figure S3. Maximum shear stresses of S-wave decrease as a function of distance.

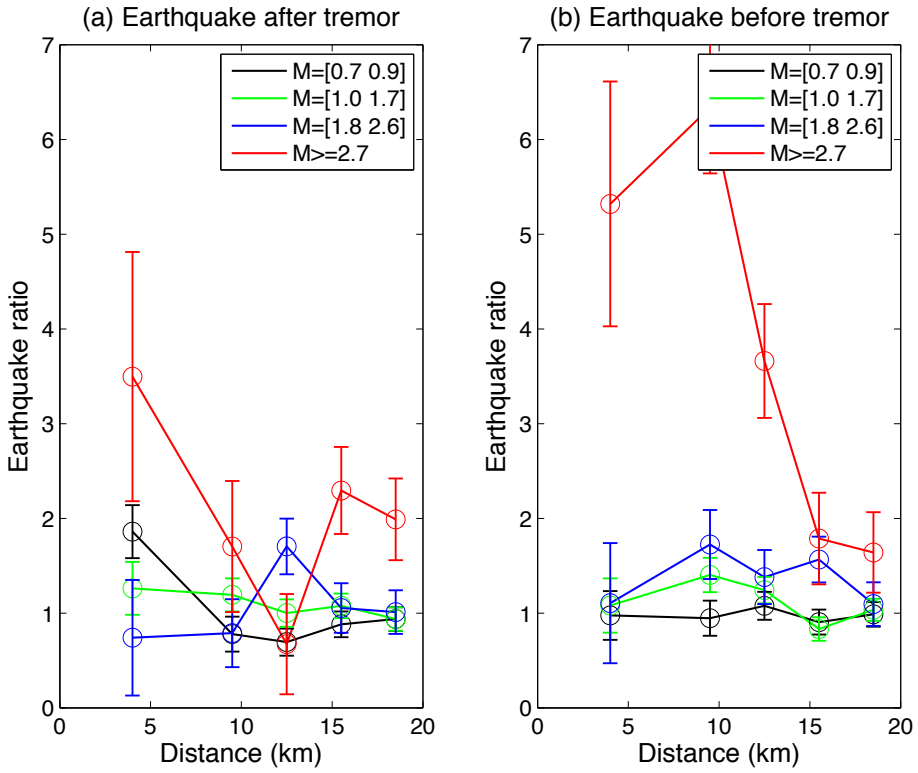

Figure S4. Same as figure 2, but time is within 6 hours.

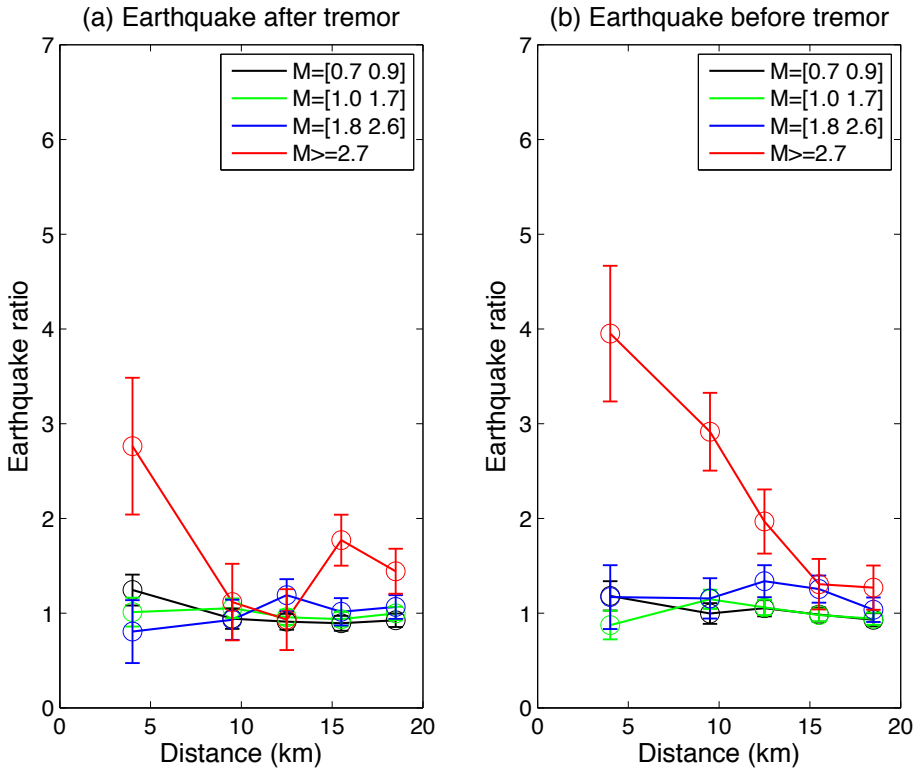

Figure S5. Same as figure 2, but time is within 24 hours.

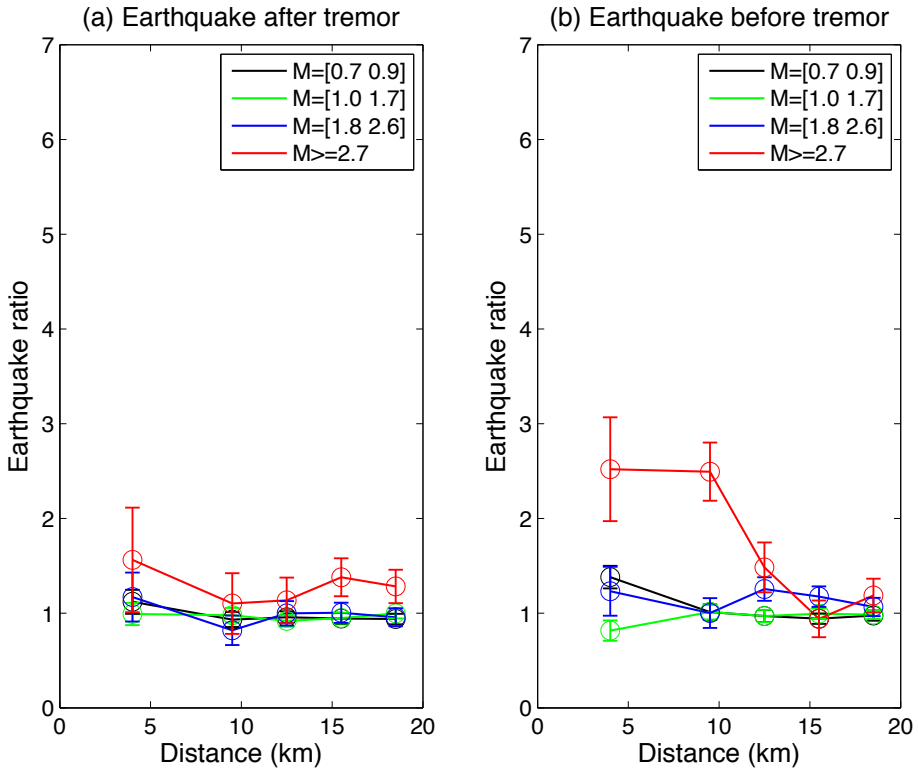

Figure S6. Same as figure 2, but time is within 48 hours.

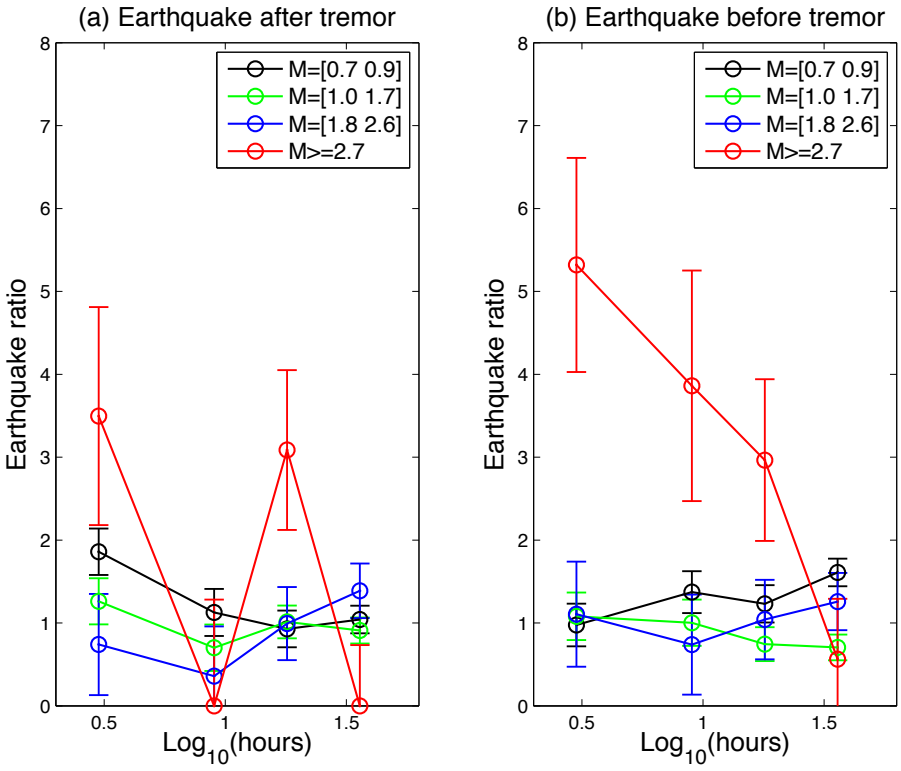

Figure S7. Same as figure 3, but distance is within 8 km.

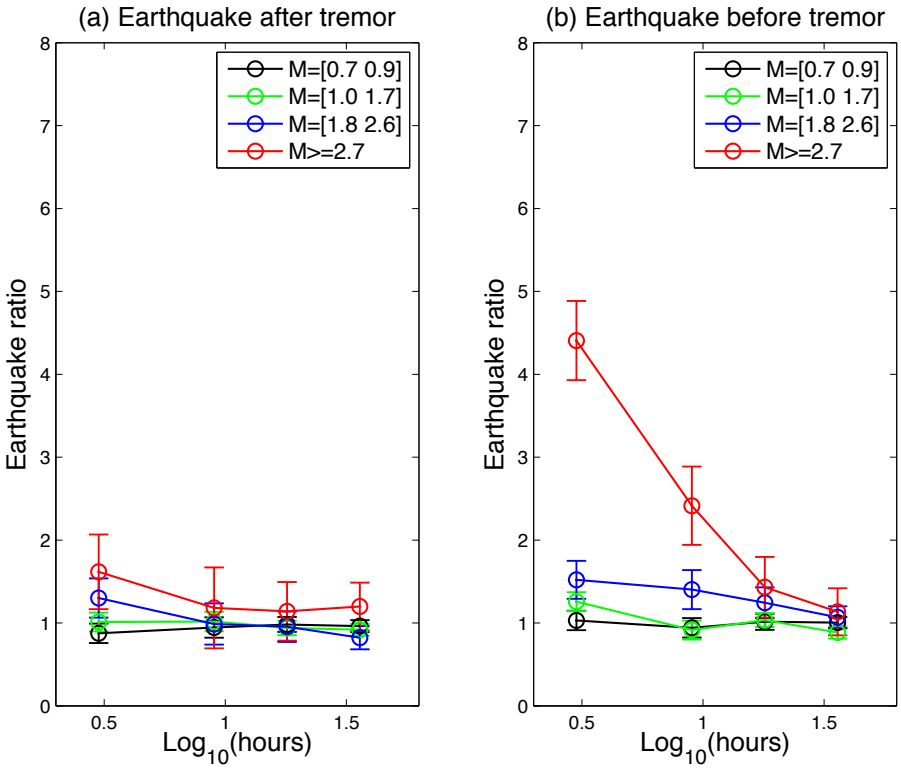

Figure S8. Same as figure 3, but distance is within 14 km.

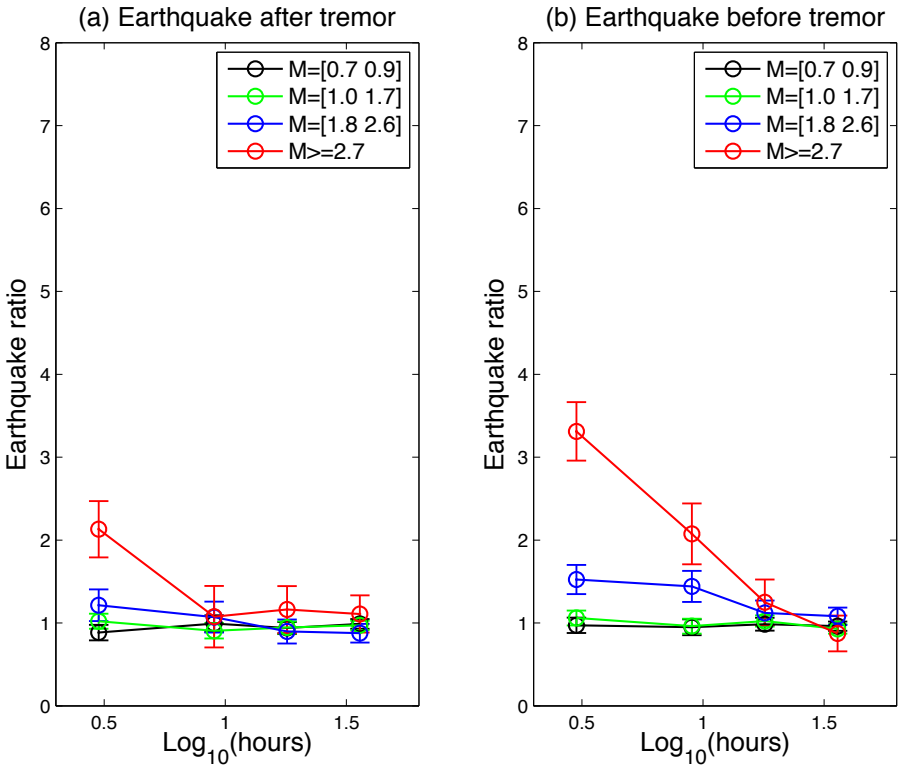

Figure S9. Same as figure 3, but distance is within 17 km.

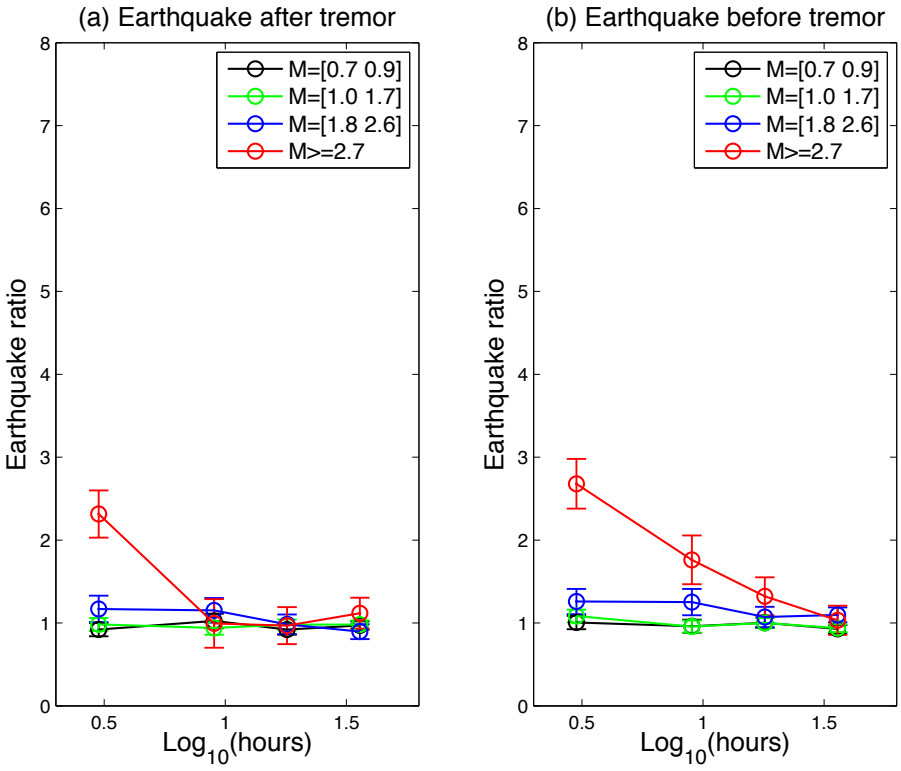

Figure S10. Same as figure 3, but distance is within 20 km.

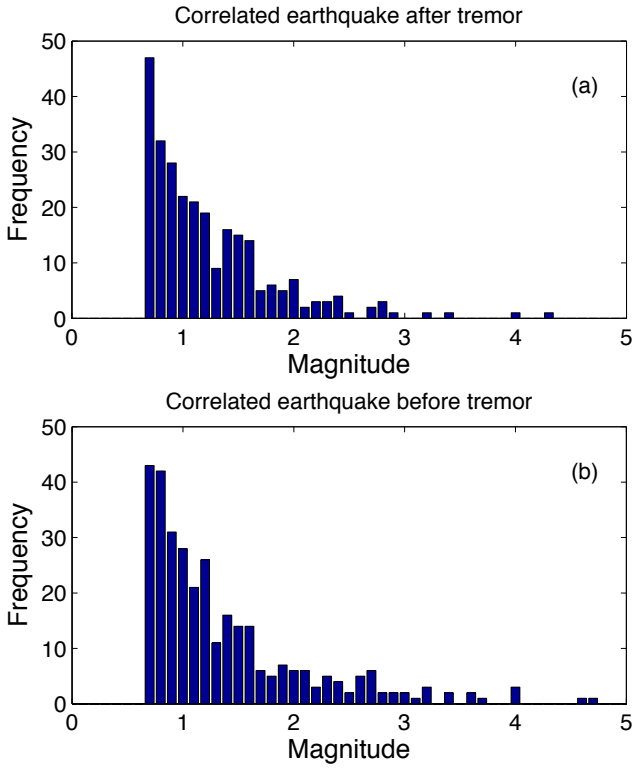

Figure S11. Correlated earthquake magnitude histogram.