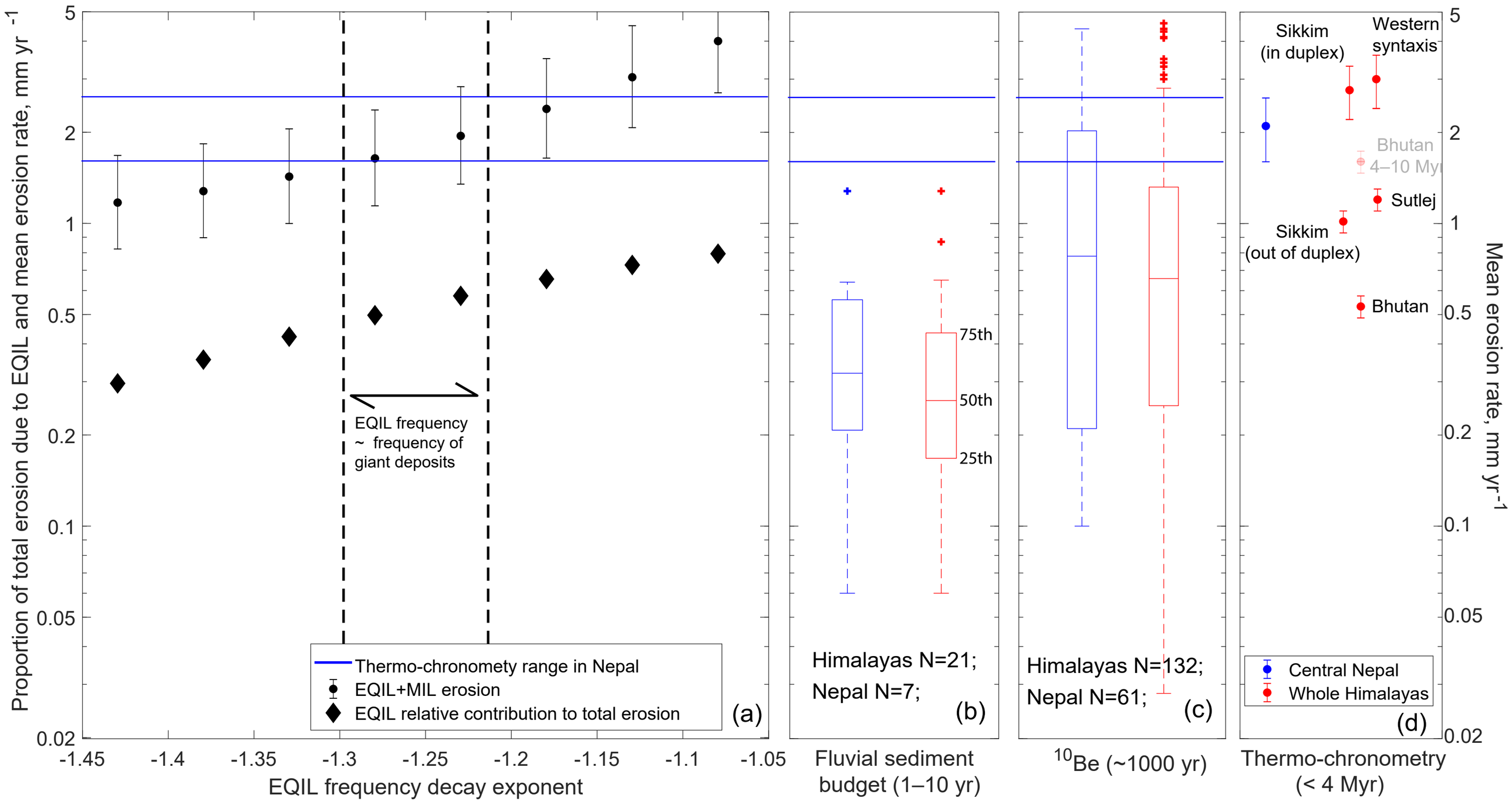
Proportion of total erosion due to EQIL and mean erosion rate, mm yr -1
5
2
1
0.5
0.2
0.1
0.05
0.02
-1.45
-1.4
-1.35
-1.3
-1.25
-1.2
-1.15
-1.1
-1.05
EQIL frequency decay exponent
EQIL frequency
~ frequency of
giant deposits
Thermo-chronometry range in Nepal
EQIL+MIL erosion
EQIL relative contribution to total erosion
(a)
75th
50th
25th
Himalayas N=21;
Nepal N=7;
(b)
Fluvial sediment
budget (1–10 yr)
Himalayas N=132;
Nepal N=61;
(c)
10Be (~1000 yr)
Sikkim
(in duplex)
Western
syntaxis
Bhutan
4–10 Myr
Sutlej
Sikkim
(out of duplex)
Bhutan
Central Nepal
Whole Himalayas
(d)
Thermo-chronometry
(< 4 Myr)
Mean erosion rate, mm yr-1