

Supplementary data Table A: Detrital apatite fission-track data for Coastal Range sections.

Sample	Long. (°)	Lat. (°)	No. grains	Grain age distribution (Ma)		Age dispersion		Pooled Age (Ma)*	Depositional Age (Ma)	Age components		
				Min	Max	χ^2	RE%			<u>1st</u>	<u>2nd</u>	<u>3rd</u>
<i>SH1</i>	23.779	121.536	61	5.2	68.9	92.2	0.2	13.2±1.8	>3.79			
<i>SH2</i>	23.777	121.539	53	4.8	86.2	25.8	30.1	11.9±1.7	>3.79			
<i>SM1</i> ⁺	23.411	121.441	20	3.1	231.4	0.0	125.4	16.3±1.2	3.22-2.58	11.4±2.2 (90%)	204±70 (10%)	
<i>SM4</i> ⁺	23.410	121.444	28	1.0	123.5	0.0	79.8	19.0±1.5	3.22-2.58	14.4±3.1 (80%)	72±35 (20%)	
<i>HK1</i> ⁺	23.498	121.410	26	1.0	168.7	0.0	143.0	23.0±1.8	2.58-2.06	4.1±2.5 (65%)	33±11 (19%)	110±29 (16%)
<i>SC1</i>	23.139	121.366	12	1.8	22.2	0.0	72.2	5.6±1.0	1.95-1.75	3.1±1.6 (73%)	15.9±6.8 (27%)	
<i>MW3</i>	22.985	121.301	41	3.4	206.8	0.0	103.9	36.2±2.2	1.75-1.66	14.8±3.3 (28)	112±18 (13)	
<i>MW6</i>	22.999	121.281	45	0.6	25.5	0.0	77.8	4.5±0.4	1.3-1.4	2.9±0.5 (36)	12.7±5 (9)	

⁺data from Kirstein et al., 2010.