

Supplementary Table 1. Microfracture aperture cumulative frequency Chi-square statistical results.

MicroScanline	Fracture Set Measured	N	Scanline Length (mm)	Power Law*	Exponential	Normal	Lognormal
R16-3-2C-1	A	181	42.15	4.7913	159.7057	Inf	1502.921
	C	66		4.5933	13.6436	4.69E+10	858.3883
R13-3-2C-2	D	80	44.11	5.7936	6.6906	1906755.2	3.6469
R16-3-2B	A	243	41.19	7.5123	254.5954	Inf	215.7559
BR-21-3	A	45	20.11	1.3351	6.2074	56.5353	4.2053
	B	40		4.2916	1.2569	1.2654	0.21618
	C	30		2.8642	0.776	0.80167	0.22406
RR-4	A	31	34.30	1.3082	0.5101	0.20922	0.1626
	B	92		20.4865	7.2446	1.1103	0.35905
	C	126		26.4422	3.0196	40.8906	1.177

*Each microfracture population was best-fit with power law, exponential, normal, and lognormal equations; relative quality of fit of each equation was evaluated using the chi-square error (e.g., Hooker et al., 2014). The fit producing the lowest error is the closest fit to the data. Numbers in bold are chi-square best fit.