

Supplementary Materials: Trace Element Geochemistry in Quartz in the Jinqingding Gold Deposit, Jiaodong Peninsula, China: Implications for the Gold Precipitation Mechanism

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Table S1. EPMA-derived Al content in different types of quartz in the Jinqingding gold deposit.

Sample Number	Quartz Type	Al (wt %)
JQD15D4B3	a	0.086
		0.015
		0.052
		0.008
		0.057
JQD15D4B3	b	0.016
		0.005
		0.009
		0.019
		0.007
		0.023
		0.050
		0.064
		0.097
		0.284
		0.099
		0.027
		0.103
JQD15D6B3	c	0.146
		0.159
		0.004
		0.077
		0.005
		0.212
		0.180
JQD15D6B3	d	0.012
		0.007
		0.045
JQD15D4B3	c	0.003
		0.001
		0.025
JQD15D4B3	d	0.069
		0.167
		0.036

Table 2. LA-ICP-MS-derived trace element content in quartz and estimated formation temperatures of quartz in the Jinqingding gold deposit.

Sample Number	Trace Element	Grain A	Grain B
JQD15D25B1	Al (ppm)	131	101
		393	423
		54	35
		3310	197
		1548	26
		1870	56
	Ti (ppm)	48	61
		5.3	4.3
		5.7	4.78
		4.6	5
		7.9	5.24
		12.1	5
		8.3	5.8
		5.61	5.8