**Table s3**. Composition of experimental feldspars.

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Glass # 0 0 0 13 13 13 13 14 15 16

T (°C) 722 675 665 675 675 664 664 685 716 716

Feldspar Pl Pl Pl Pl Af Pl Af Af Af Af

*wt%*

SiO2 61.09 62.57 63.46 61.18 66.49 61.83 64.88 65.76 64.54 64.66

Al2O3 24.07 22.96 22.53 24.61 17.70 21.52 18.78 18.15 18.35 18.07

Na2O 7.68 8.15 8.69 7.72 2.53 8.04 3.04 1.38 0.72 0.28

K2O 0.37 0.55 0.87 0.46 11.61 0.93 12.01 14.88 15.81 16.04

CaO 6.26 4.80 3.79 5.89 0.34 3.41 0.38 0.07 0.04 0.03

Total 99.46 99.03 99.34 99.86 98.68 95.73 99.09 100.24 99.46 99.08

*cations*

Si 2.728 2.794 2.823 2.720 3.048 2.847 2.983 3.014 2.996 3.011

Al 1.267 1.209 1.182 1.290 0.957 1.168 1.018 0.981 1.004 0.992

Na 0.665 0.706 0.750 0.665 0.225 0.718 0.271 0.123 0.065 0.025

K 0.021 0.032 0.049 0.026 0.679 0.055 0.704 0.870 0.936 0.953

Ca 0.300 0.230 0.181 0.280 0.017 0.168 0.019 0.003 0.002 0.001

Total 4.981 4.970 4.985 4.981 4.926 4.955 4.996 4.992 5.003 4.982

Si+Al 3.996 4.003 4.005 4.009 4.005 4.015 4.001 3.995 4.000 4.003

Na+K+Ca 0.986 0.967 0.980 0.972 0.921 0.941 0.994 0.996 1.003 0.980

*mol%*

Ab 67.5 73.0 76.5 68.5 24.4 76.3 27.3 12.3 6.5 2.6

Or 2.1 3.3 5.0 2.7 73.7 5.8 70.8 87.3 93.3 97.3

An 30.4 23.7 18.4 28.8 1.8 17.9 1.9 0.3 0.2 0.2

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Data are averages of electron microprobe analyses.

Abbreviations: Pl: plagioclase, Af: alkali feldspar. Ab = 100\*Na / (Na+K+Ca),

Or = 100\*K / (Na+K+Ca), An = 100\*Ca / (Na+K+Ca).

Structural formulae calculated on the basis of 8 oxygens.

See Table 1 for experimental conditions.