

Supporting Information

Accelerated lithium-ion diffusion via a ligand ‘hopping’ mechanism in lithium enriched solvate ionic liquids.

*Timothy Harte,^a Bhagya Dharmasiri,^{*a} Garima S. Dobhal,^a Tiffany R. Walsh,^{*a} and Luke C. Henderson^{*a}*

^a Institute for Frontier Materials, Deakin University, Waurn Ponds, Victoria 3216, Australia

* Email: luke.henderson@deakin.edu.au, tiffany.walsh@deakin.edu.au & k.dharmasiri@deakin.edu.au

Table S1. Standard deviation calculated from repeat PFG-NMR measurements. Reported Ln standard deviations are the standard deviation of diffusion measurements converted to Ln.

Glyme & Nuclei	Ratio				
	1:1	1:1.25	1:1.5	1:1.75	1:2
G4 Li	1.31×10^{-10}	8.90×10^{-11}	7.19×10^{-12}	7.14×10^{-12}	7.35×10^{-13}
G4 H	9.01×10^{-13}	5.26×10^{-13}	6.30×10^{-13}	2.61×10^{-13}	1.58×10^{-13}
G4 F	5.75×10^{-13}	1.78×10^{-13}	8.49×10^{-13}	3.67×10^{-13}	1.90×10^{-13}
Ln G4 Li	3.31×10^{-1}	4.85×10^{-1}	1.83×10^{-1}	3.49×10^{-1}	6.62×10^{-2}
Ln G4 H	1.45×10^{-2}	1.30×10^{-2}	3.25×10^{-2}	2.11×10^{-2}	2.36×10^{-2}
Ln G4 F	8.21×10^{-3}	4.13×10^{-2}	4.28×10^{-2}	2.82×10^{-2}	2.69×10^{-2}
G3 Li	1.83×10^{-11}	n.d.	1.69×10^{-13}	n.d.	6.65×10^{-14}
G3 H	6.45×10^{-12}	n.d.	3.25×10^{-13}	n.d.	1.34×10^{-13}
G3 F	6.83×10^{-12}	n.d.	2.50×10^{-13}	n.d.	1.16×10^{-13}
Ln G3 Li	2.78×10^{-1}	n.d.	9.23×10^{-2}	n.d.	1.61×10^{-2}
Ln G3 H	1.98×10^{-1}	n.d.	2.72×10^{-2}	n.d.	3.37×10^{-2}
Ln G3 F	2.43×10^{-1}	n.d.	2.78×10^{-2}	n.d.	3.88×10^{-2}

Table S2. Water content of SIL samples. Samples were dried by the same technique used in the synthesis prior to water content measurement using a Metrohm Karl-Fischer Coulometer 899.

Sample	Ratio				
	1:1	1:1.25	1:1.5	1:1.75	1:2
G3	0 ppm	n.d.	0 ppm	n.d.	0 ppm
G4	0 ppm	0 ppm	0 ppm	0 ppm	0 ppm
	1:2.5	1:3	1:3.5	1:4	
G3	0 ppm	0 ppm	0 ppm	0 ppm	
G4	0 ppm	0 ppm	n.d.	n.d.	

Table S3. Calculated Li transference numbers (t_{Li}) for G4 SIL samples.

Temperature	Ratio				
	1:1	1:1.25	1:1.5	1:1.75	1:2
20	0.49	0.50	0.50	0.50	n.d.
30	0.49	0.50	0.49	0.50	0.55
40	0.50	0.50	0.49	0.50	0.49
50	0.53	0.52	0.50	0.50	0.49
55	0.56	0.53	0.50	0.50	0.49
60	0.60	0.56	0.52	0.51	0.52
65	0.64	0.59	0.53	0.51	0.54
70	0.69	0.62	0.55	0.52	0.55
75	0.75	0.65	0.57	0.52	0.59
80	0.80	0.72	0.60	0.53	0.63
	Ratio				
Temperature	1:2.5	1:3			
40	0.68	n.d.			

50	0.55	0.75
60	0.51	0.62
70	0.52	0.59
80	0.58	0.66

Table S4. Calculated Li transference numbers (t_{Li}) for G3 SIL samples.

Temperature	Ratio				
	1:1	1:1.5	1:2	1:2.5	1:3
20	0.58	0.59	n.d.	n.d.	n.d.
30	0.57	0.59	n.d.	n.d.	n.d.
40	0.57	0.58	0.58	n.d.	n.d.
50	0.60	0.58	0.56	0.57	n.d.
55	0.61	0.58	0.57	n.d.	n.d.
60	0.64	0.59	0.57	0.55	0.58
65	0.67	0.60	0.57	n.d.	n.d.
70	0.71	0.61	0.60	0.55	0.56
75	0.75	0.63	0.57	n.d.	n.d.
80	0.80	0.67	0.59	0.55	0.56

Temperature	Ratio	
	1:3.5	1:4
70	0.60	n.d.
80	0.57	0.60

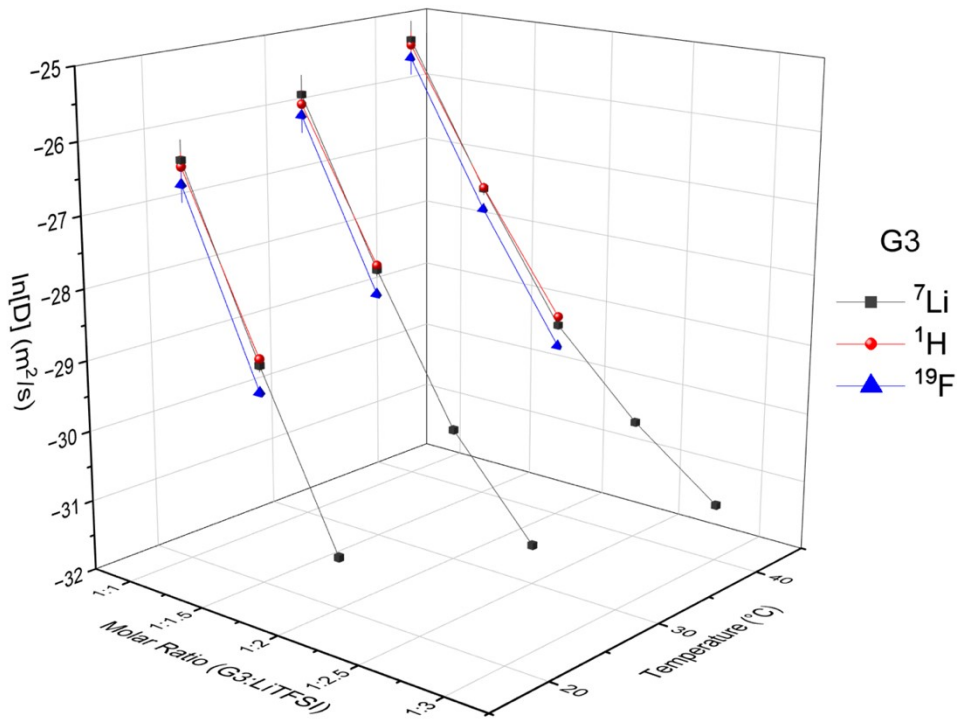


Fig S1. 3D plot showing Ln of diffusion coefficients of ^7Li , ^1H and ^{19}F nuclei present in Li, glyme & TFSI components of SIL samples G3-1:1 through to G3-1:3 across the 20-40 $^{\circ}\text{C}$ temperature range.

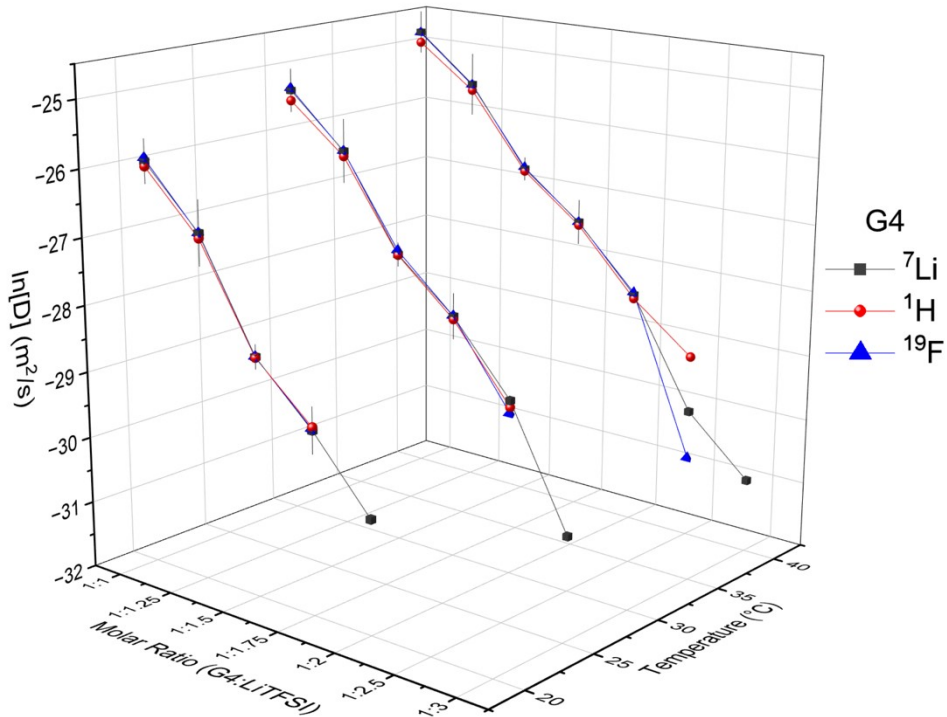


Fig S2. 3D plot showing Ln of diffusion coefficients of ^7Li , ^1H and ^{19}F nuclei present in SIL samples G4-1:1 through to G4-1:3 across the 20-40 $^{\circ}\text{C}$ temperature range.

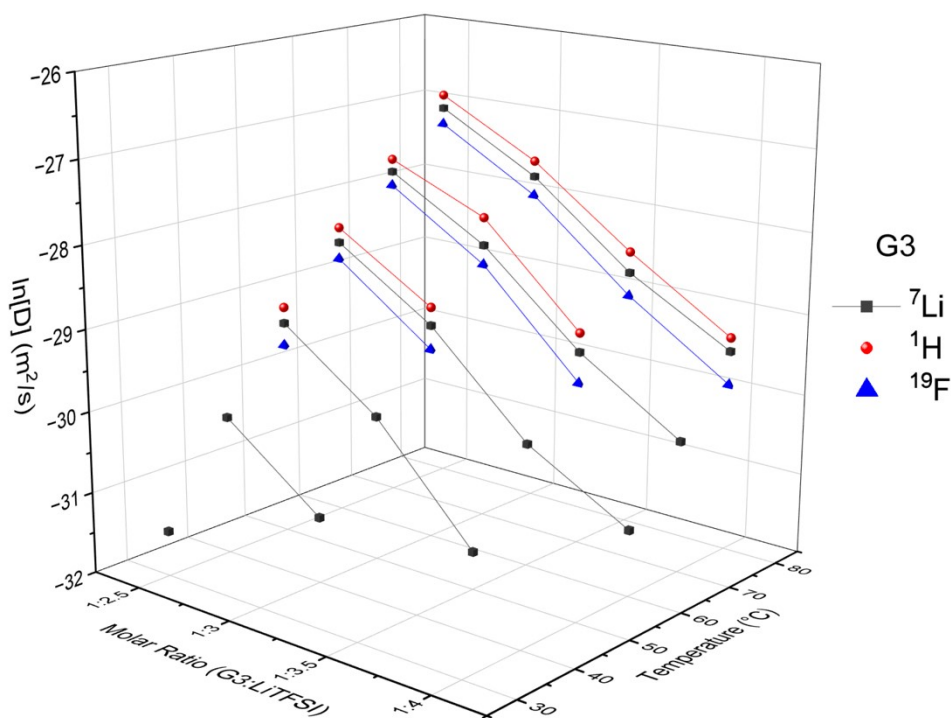


Fig S3. 3D plot showing Ln of diffusion coefficients of ^7Li , ^1H and ^{19}F in higher concentration SIL samples G3-1:2.5 through to G3-1:4 across the 30-80 °C temperature range.

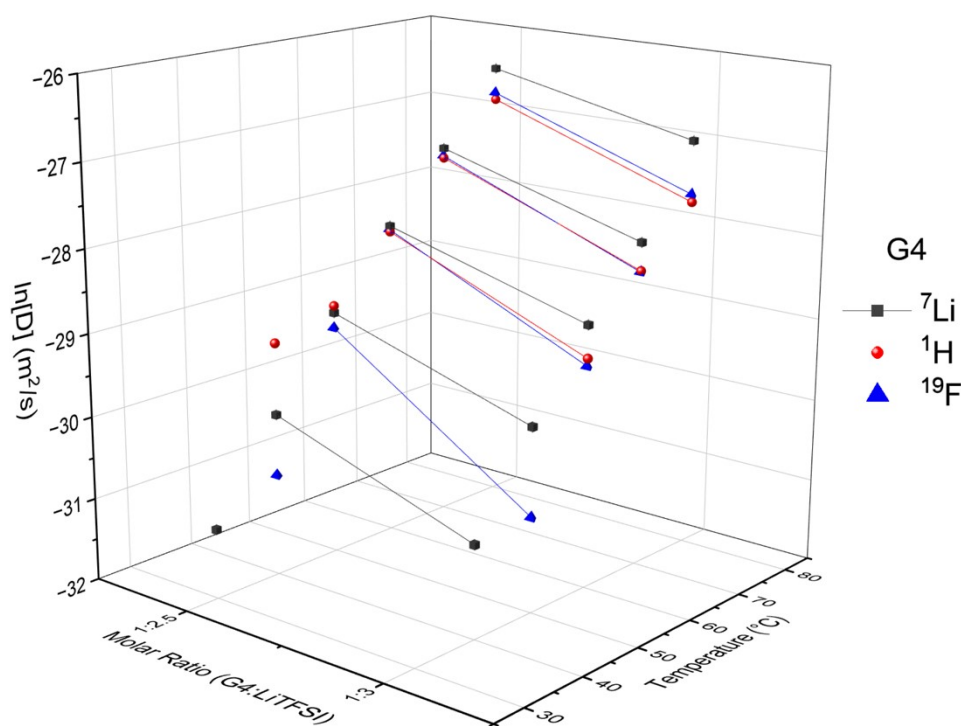


Fig S4. 3D plot showing Ln of diffusion coefficients of ^7Li , ^1H and ^{19}F in higher concentration SIL samples G4-1:2.5 and G4-1:3 across the 30-80 °C temperature range.

Data gaps explanation: gaps in diffusion coefficient data at lower temperatures and in Li higher concentration samples are due to diffusion speeds of nuclei being at or below the limit of accurate measurement on the NMR spectrometer.

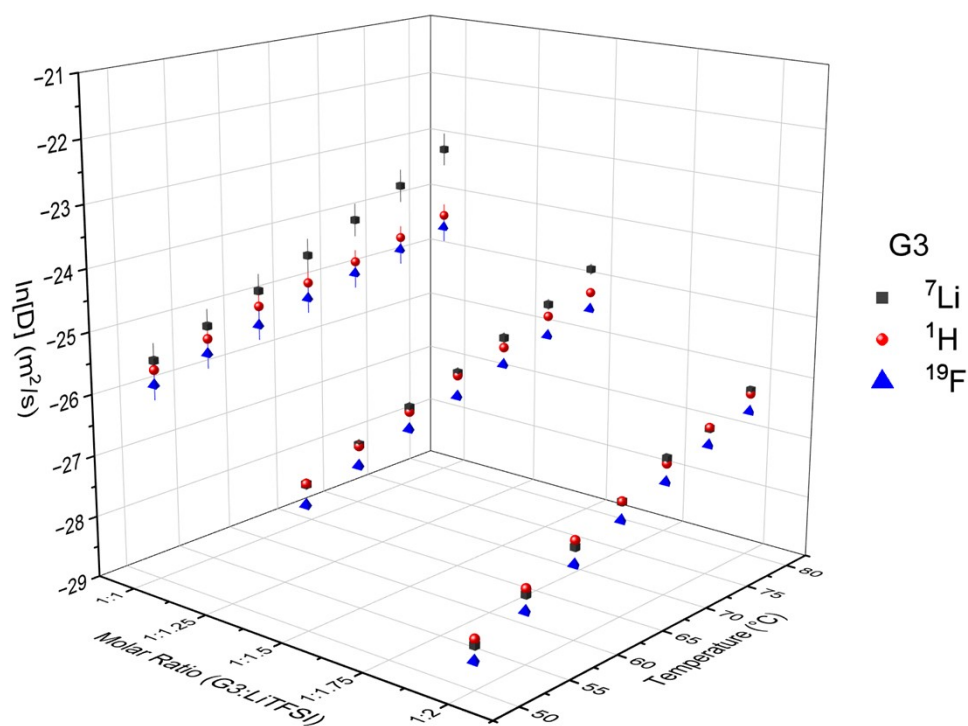


Fig S5. Plot without connecting lines, presented to avoid misleading false cusps line connected point graphs. A 3D plot showing \ln of diffusion coefficients of ^7Li , ^1H and ^{19}F nuclei present in Li, glyme & TFSI components of SIL samples G3-1:1 through to G3-1:2 across the 50-80 $^{\circ}\text{C}$ temperature range.

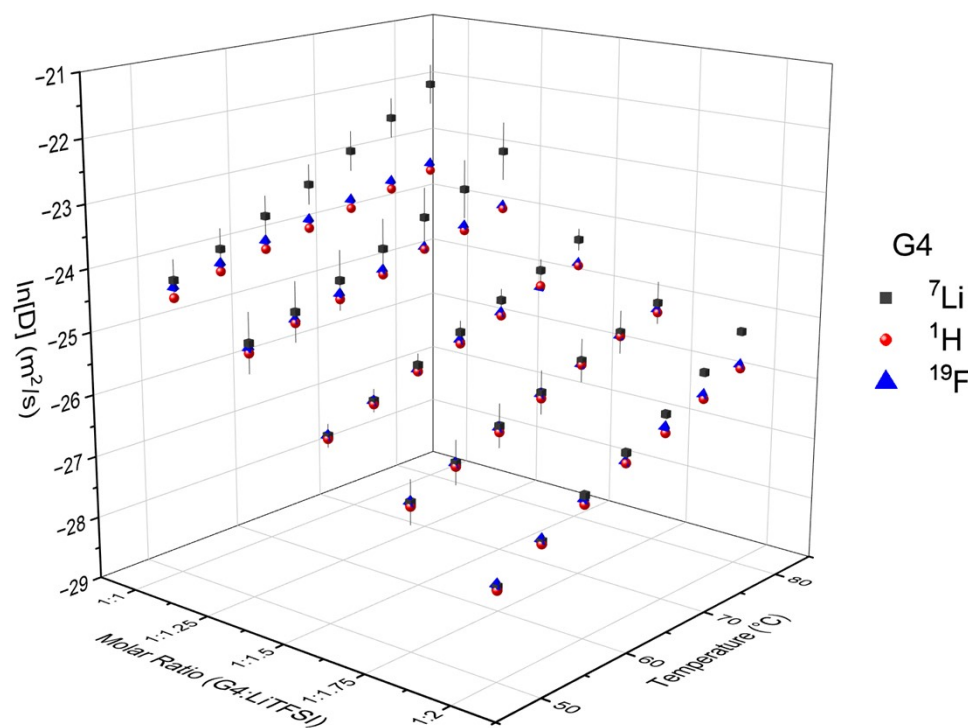


Fig S6. Plot without connecting lines, presented to avoid misleading false cusps line connected point graphs. A 3D plot showing 50-80 $^{\circ}\text{C}$ diffusion data for G4-1:1 through to G4-1:2 SIL samples.

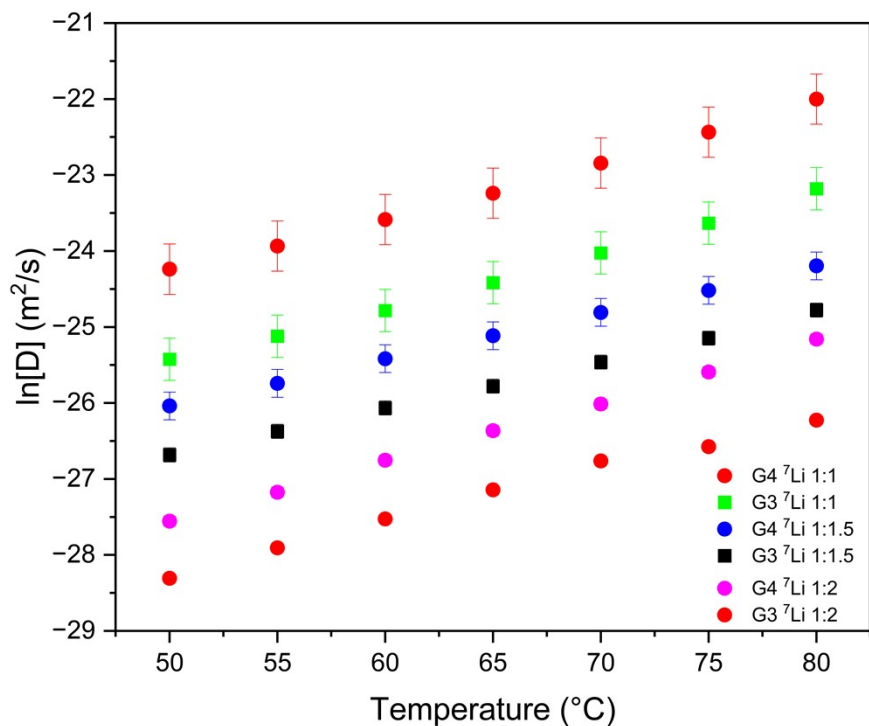


Fig S7. Plot without connecting lines, presented to avoid misleading false cusps line connected point graphs. A 2D plot showing Li nuclei 50-80 °C diffusion data for G3 and G4 samples 1:1 through to 1:2.

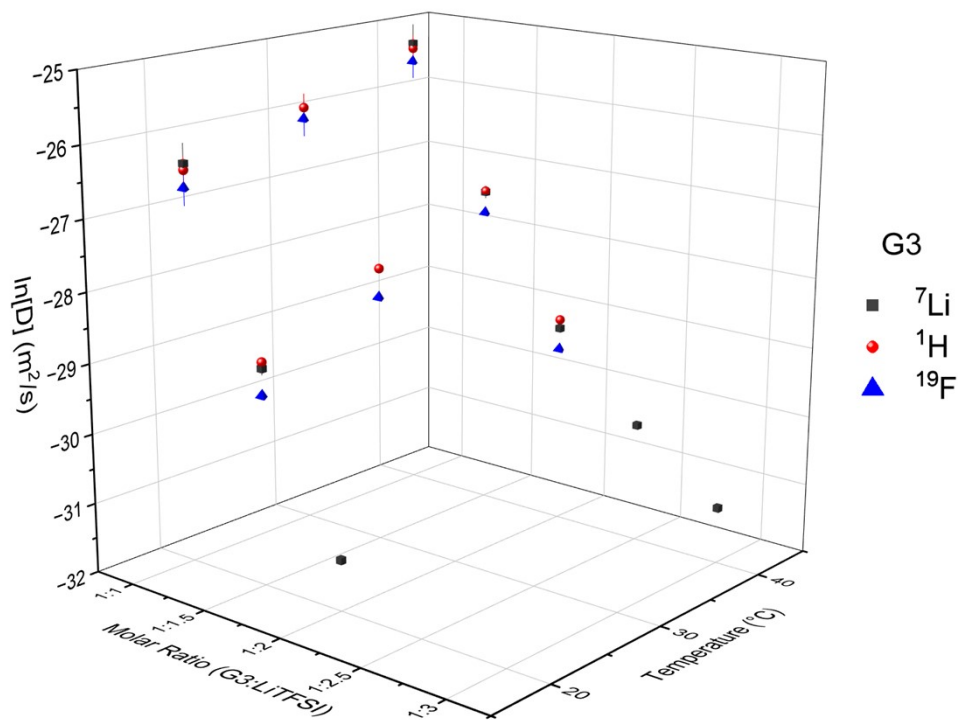


Fig S8. Plot without connecting lines, presented to avoid misleading false cusps line connected point graphs. SIL samples G3-1:1 through to G3-1:3 across the 20-40 °C temperature range.

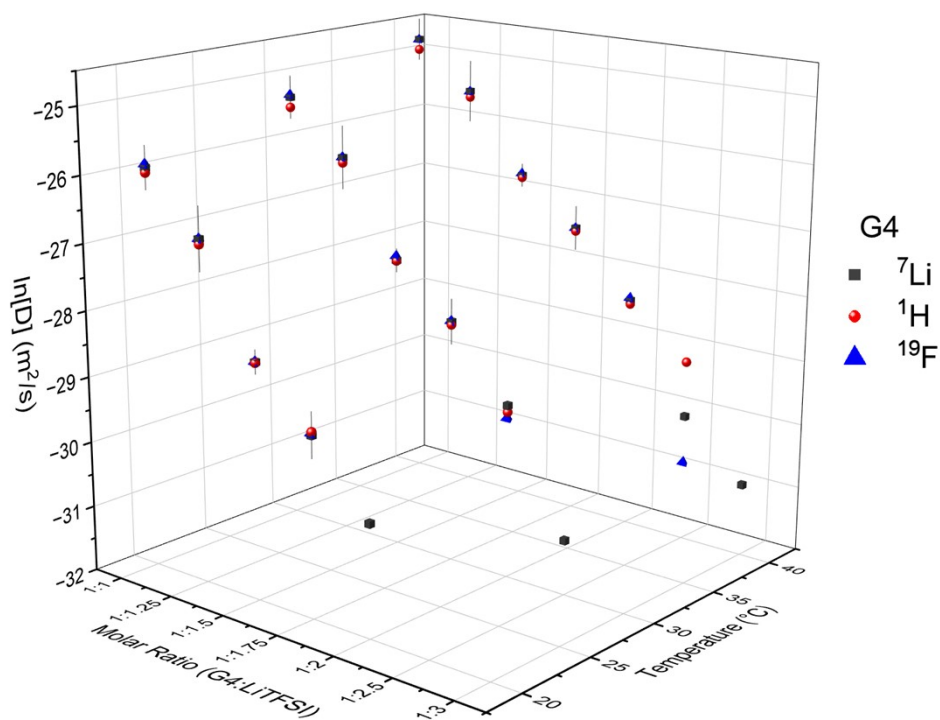


Fig S9. Plot without connecting lines, presented to avoid misleading false cusps line connected point graphs. SIL samples G4-1:1 through to G4-1:3 across the 20-40 °C temperature range.

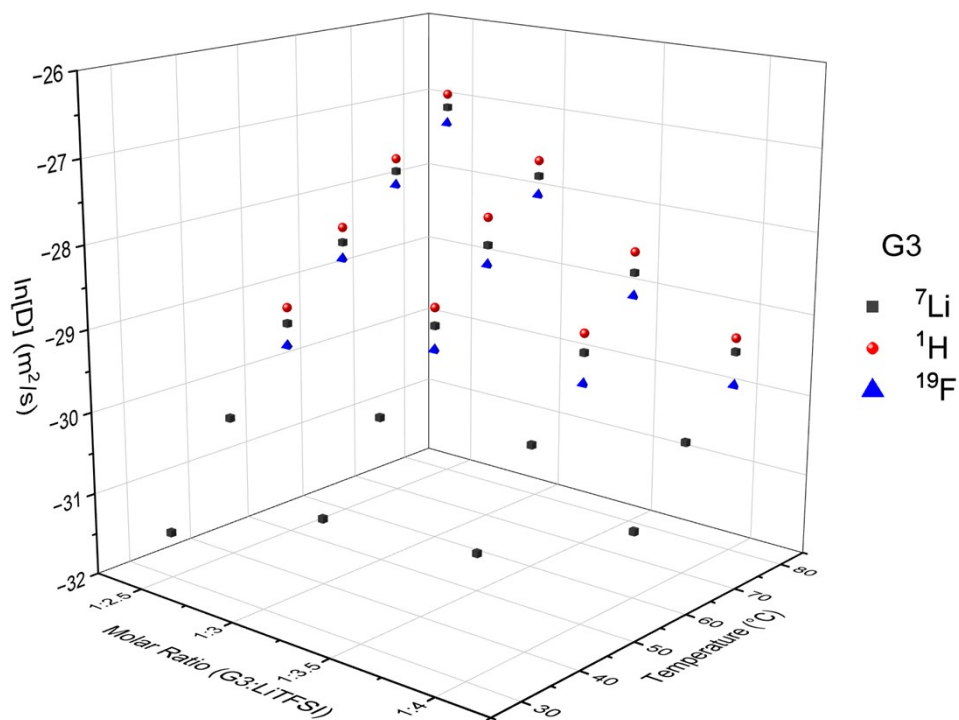


Fig S10. Plot without connecting lines, presented to avoid misleading false cusps line connected point graphs. SIL samples G3-1:2.5 through to G3-1:4 across the 30-80 °C temperature range.

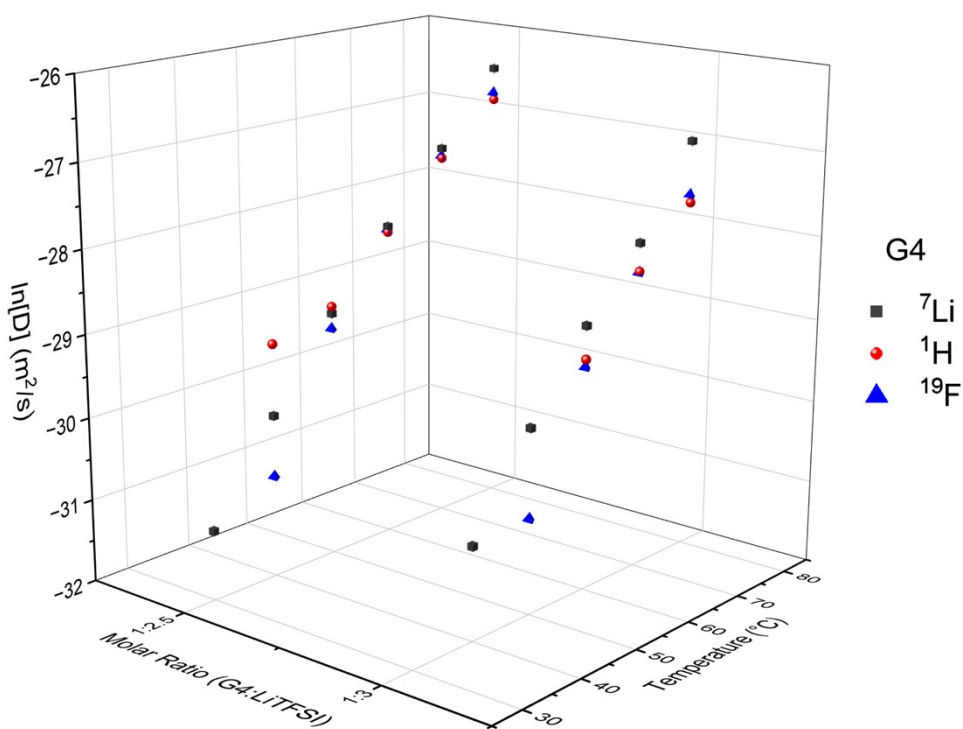


Fig 11. Plot without connecting lines, presented to avoid misleading false cusps line connected point graphs. SIL samples G4-1:2.5 and G4-1:3 across the 30-80 °C temperature range.

Table S5. Self-diffusion coefficients (m²/s) of ⁷Li nuclei in G4 samples.

Temperature	Ratio				
	1:1	1:1.25	1:1.5	1:1.75	1:2
20	5.476 x 10 ⁻¹²	2.276 x 10 ⁻¹²	4.581 x 10 ⁻¹³	1.967 x 10 ⁻¹³	6.996 x 10 ⁻¹⁴
30	1.012 x 10 ⁻¹¹	4.595 x 10 ⁻¹²	1.118 x 10 ⁻¹²	5.280 x 10 ⁻¹³	1.817 x 10 ⁻¹³
40	1.738 x 10 ⁻¹¹	8.436 x 10 ⁻¹²	2.504 x 10 ⁻¹²	1.260 x 10 ⁻¹²	4.749 x 10 ⁻¹³
50	2.972 x 10 ⁻¹¹	1.482 x 10 ⁻¹¹	4.912 x 10 ⁻¹²	2.571 x 10 ⁻¹²	1.079 x 10 ⁻¹²
55	4.027 x 10 ⁻¹¹	1.947 x 10 ⁻¹¹	6.615 x 10 ⁻¹²	3.586 x 10 ⁻¹²	1.579 x 10 ⁻¹²
60	5.713 x 10 ⁻¹¹	2.620 x 10 ⁻¹¹	9.153 x 10 ⁻¹²	4.883 x 10 ⁻¹²	2.405 x 10 ⁻¹²
65	8.077 x 10 ⁻¹¹	3.603 x 10 ⁻¹¹	1.238 x 10 ⁻¹¹	6.470 x 10 ⁻¹²	3.545 x 10 ⁻¹²
70	1.200 x 10 ⁻¹⁰	5.020 x 10 ⁻¹¹	1.682 x 10 ⁻¹¹	8.513 x 10 ⁻¹²	5.041 x 10 ⁻¹²
75	1.804 x 10 ⁻¹⁰	6.735 x 10 ⁻¹¹	2.250 x 10 ⁻¹¹	1.081 x 10 ⁻¹¹	7.683 x 10 ⁻¹²
80	2.790 x 10 ⁻¹⁰	1.087 x 10 ⁻¹⁰	3.103 x 10 ⁻¹¹	1.416 x 10 ⁻¹¹	1.185 x 10 ⁻¹¹
	1:2.5	1:3			
20	n.d.	n.d.			
30	2.943 x 10 ⁻¹⁴	n.d.			
40	9.141 x 10 ⁻¹⁴	3.890 x 10 ⁻¹⁴			
50	2.539 x 10 ⁻¹³	1.172 x 10 ⁻¹³			
60	6.097 x 10 ⁻¹³	3.071 x 10 ⁻¹³			
70	1.358 x 10 ⁻¹²	6.671 x 10 ⁻¹³			
80	3.217 x 10 ⁻¹²	1.893 x 10 ⁻¹²			

Table S6. Self-diffusion coefficients (m²/s) of ¹H nuclei in G4 samples.

Temperature	Ratio				
	1:1	1:1.25	1:1.5	1:1.75	1:2
20	5.080 x 10 ⁻¹²	2.103 x 10 ⁻¹²	4.531 x 10 ⁻¹³	2.062 x 10 ⁻¹³	n.d.
30	8.657 x 10 ⁻¹²	4.235 x 10 ⁻¹²	1.109 x 10 ⁻¹²	5.035 x 10 ⁻¹³	1.642 x 10 ⁻¹³
40	1.471 x 10 ⁻¹¹	7.661 x 10 ⁻¹²	2.416 x 10 ⁻¹²	1.198 x 10 ⁻¹²	4.476 x 10 ⁻¹³
50	2.244 x 10 ⁻¹¹	1.266 x 10 ⁻¹¹	4.698 x 10 ⁻¹²	2.415 x 10 ⁻¹²	1.026 x 10 ⁻¹²
55	2.810 x 10 ⁻¹¹	1.634 x 10 ⁻¹¹	6.259 x 10 ⁻¹²	3.373 x 10 ⁻¹²	1.521 x 10 ⁻¹²
60	3.336 x 10 ⁻¹¹	1.938 x 10 ⁻¹¹	8.268 x 10 ⁻¹²	4.437 x 10 ⁻¹²	2.084 x 10 ⁻¹²
65	3.926 x 10 ⁻¹¹	2.366 x 10 ⁻¹¹	1.030 x 10 ⁻¹¹	5.891 x 10 ⁻¹²	3.009 x 10 ⁻¹²
70	4.588 x 10 ⁻¹¹	2.975 x 10 ⁻¹¹	1.307 x 10 ⁻¹¹	7.955 x 10 ⁻¹²	3.729 x 10 ⁻¹²
75	5.383 x 10 ⁻¹¹	3.376 x 10 ⁻¹¹	1.738 x 10 ⁻¹¹	1.012 x 10 ⁻¹¹	5.018 x 10 ⁻¹²
80	6.328 x 10 ⁻¹¹	4.112 x 10 ⁻¹¹	2.007 x 10 ⁻¹¹	1.207 x 10 ⁻¹¹	6.509 x 10 ⁻¹²
	1:2.5	1:3			
20	n.d.	n.d.			
30	n.d.	n.d.			
40	2.175 x 10 ⁻¹³	n.d.			
50	2.764 x 10 ⁻¹³	n.d.			
60	5.679 x 10 ⁻¹³	2.061 x 10 ⁻¹³			
70	1.203 x 10 ⁻¹²	4.743 x 10 ⁻¹³			

80 2.177×10^{-12} 9.046×10^{-13}

Table S7. Self-diffusion coefficients (m^2/s) of ^{19}F nuclei in G4 samples.

Temperature	Ratio				
	1:1	1:1.25	1:1.5	1:1.75	1:2
20	5.706×10^{-12}	2.255×10^{-12}	4.556×10^{-13}	2.003×10^{-13}	n.d.
30	1.039×10^{-11}	4.567×10^{-12}	1.183×10^{-12}	5.279×10^{-13}	1.490×10^{-13}
40	1.712×10^{-11}	8.313×10^{-12}	2.556×10^{-12}	1.247×10^{-12}	4.894×10^{-13}
50	2.642×10^{-11}	1.362×10^{-11}	4.895×10^{-12}	2.576×10^{-12}	1.113×10^{-12}
55	3.179×10^{-11}	1.713×10^{-11}	6.527×10^{-12}	3.525×10^{-12}	1.622×10^{-12}
60	3.804×10^{-11}	2.099×10^{-11}	8.464×10^{-12}	4.724×10^{-12}	2.244×10^{-12}
65	4.500×10^{-11}	2.537×10^{-11}	1.087×10^{-11}	6.256×10^{-12}	3.073×10^{-12}
70	5.270×10^{-11}	3.055×10^{-11}	1.365×10^{-11}	7.983×10^{-12}	4.086×10^{-12}
75	6.133×10^{-11}	3.635×10^{-11}	1.689×10^{-11}	1.013×10^{-11}	5.354×10^{-12}
80	7.081×10^{-11}	4.294×10^{-11}	2.074×10^{-11}	1.260×10^{-11}	6.886×10^{-12}
	1:2.5	1:3			
20	n.d.	n.d.			
30	n.d.	n.d.			
40	4.343×10^{-14}	n.d.			
50	2.103×10^{-13}	4.005×10^{-14}			
60	5.818×10^{-13}	1.877×10^{-13}			
70	1.231×10^{-12}	4.667×10^{-13}			
80	2.360×10^{-12}	9.923×10^{-13}			

Table S8. Self-diffusion coefficients (m^2/s) of 7Li nuclei in G3 samples.

Temperature	Ratio			
	1:1	1:1.5	1:2	
20	3.663×10^{-12}	2.767×10^{-13}	2.614×10^{-14}	
30	6.460×10^{-12}	6.479×10^{-13}	8.430×10^{-14}	
40	1.064×10^{-11}	1.388×10^{-12}	2.279×10^{-13}	
50	9.078×10^{-12}	2.581×10^{-12}	5.085×10^{-13}	
55	1.229×10^{-11}	3.518×10^{-12}	7.591×10^{-13}	
60	1.725×10^{-11}	4.785×10^{-12}	1.111×10^{-12}	
65	2.491×10^{-11}	6.373×10^{-12}	1.627×10^{-12}	
70	3.680×10^{-11}	8.746×10^{-12}	2.383×10^{-12}	
75	5.445×10^{-11}	1.199×10^{-11}	2.874×10^{-12}	
80	8.571×10^{-11}	1.734×10^{-11}	4.077×10^{-12}	
	1:2.5	1:3	1:3.5	1:4
20	n.d.	n.d.	n.d.	n.d.
30	2.210×10^{-14}	n.d.	n.d.	n.d.
40	7.069×10^{-14}	2.851×10^{-14}	n.d.	n.d.
50	1.844×10^{-13}	7.653×10^{-14}	2.021×10^{-14}	n.d.
60	4.215×10^{-13}	1.905×10^{-13}	5.863×10^{-14}	2.873×10^{-14}

70	8.803×10^{-13}	4.294×10^{-13}	1.451×10^{-13}	6.512×10^{-14}
80	1.730×10^{-12}	8.674×10^{-13}	3.207×10^{-13}	1.565×10^{-13}

Table S9. Self-diffusion coefficients (m^2/s) of $1H$ nuclei in G3 samples.

Temperature	Ratio			
	1:1	1:1.5	1:2	
20	3.346×10^{-12}	3.021×10^{-13}	n.d.	
30	5.635×10^{-12}	6.901×10^{-13}	n.d.	
40	9.853×10^{-12}	1.409×10^{-12}	2.585×10^{-13}	
50	7.800×10^{-12}	2.594×10^{-12}	5.571×10^{-13}	
55	9.978×10^{-12}	3.450×10^{-12}	8.284×10^{-13}	
60	1.334×10^{-11}	4.455×10^{-12}	1.233×10^{-12}	
65	1.567×10^{-11}	6.096×10^{-12}	1.631×10^{-12}	
70	1.798×10^{-11}	7.450×10^{-12}	2.180×10^{-12}	
75	2.212×10^{-11}	9.806×10^{-12}	2.907×10^{-12}	
80	2.665×10^{-11}	1.160×10^{-11}	3.836×10^{-12}	
	1:2.5	1:3	1:3.5	1:4
20	n.d.	n.d.	n.d.	n.d.
30	n.d.	n.d.	n.d.	n.d.
40	n.d.	n.d.	n.d.	n.d.
50	2.250×10^{-13}	n.d.	n.d.	n.d.
60	5.089×10^{-13}	2.393×10^{-13}	n.d.	n.d.
70	1.032×10^{-12}	6.094×10^{-13}	1.849×10^{-13}	n.d.
80	2.048×10^{-12}	1.056×10^{-12}	4.172×10^{-13}	1.854×10^{-13}

Table S10. Self-diffusion coefficients (m^2/s) of $19F$ nuclei in G3 samples.

Temperature	Ratio			
	1:1	1:1.5	1:2	
20	2.607×10^{-12}	1.886×10^{-13}	n.d.	
30	4.775×10^{-12}	4.545×10^{-13}	n.d.	
40	8.094×10^{-12}	1.017×10^{-12}	1.665×10^{-13}	
50	6.106×10^{-12}	1.863×10^{-12}	3.985×10^{-13}	
55	7.796×10^{-12}	2.524×10^{-12}	5.829×10^{-13}	
60	9.714×10^{-12}	3.372×10^{-12}	8.408×10^{-13}	
65	1.204×10^{-11}	4.329×10^{-12}	1.207×10^{-12}	
70	1.468×10^{-11}	5.596×10^{-12}	1.618×10^{-12}	
75	1.784×10^{-11}	7.061×10^{-12}	2.183×10^{-12}	
80	2.149×10^{-11}	8.727×10^{-12}	2.861×10^{-12}	
	1:2.5	1:3	1:3.5	1:4
20	n.d.	n.d.	n.d.	n.d.
30	n.d.	n.d.	n.d.	n.d.
40	n.d.	n.d.	n.d.	n.d.

50	1.387×10^{-13}	n.d.	n.d.	n.d.
60	3.409×10^{-13}	1.404×10^{-13}	n.d.	n.d.
70	7.346×10^{-13}	3.349×10^{-13}	9.796×10^{-14}	n.d.
80	1.402×10^{-12}	6.799×10^{-13}	2.388×10^{-13}	1.029×10^{-13}

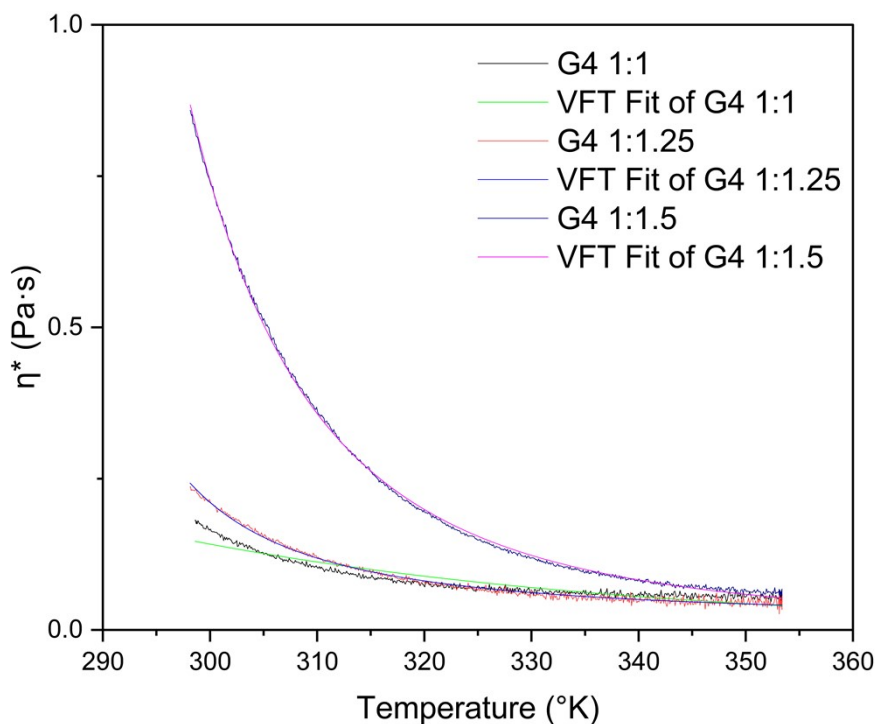


Fig S12. Complex viscosity vs temperature with VFT fitting curves for G4 SIL samples 1:1 through to 1:1.5.

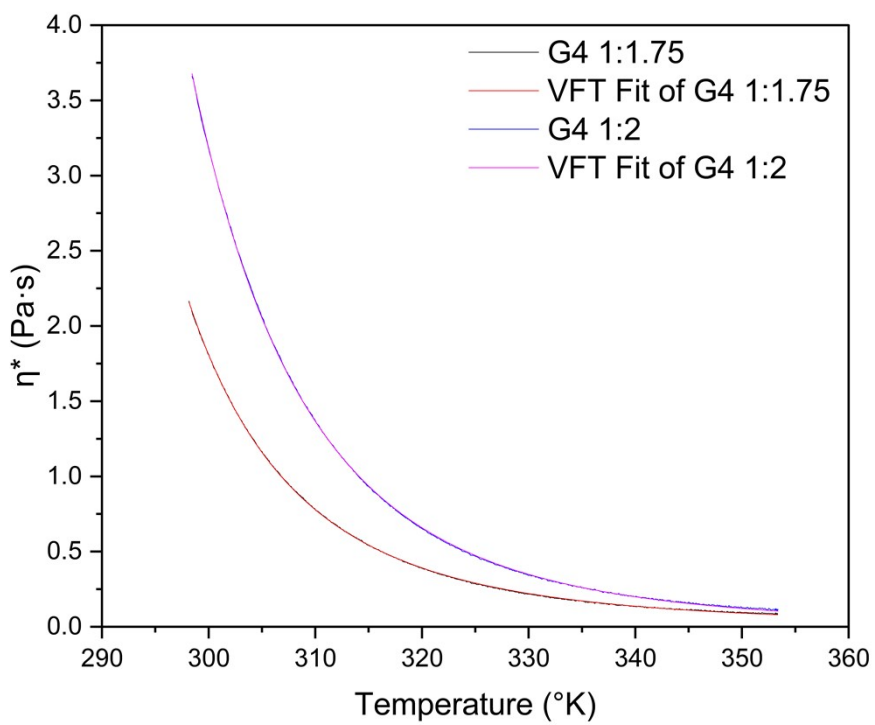


Fig S13. Complex viscosity vs temperature with VFT fitting curves for G4 SIL samples 1:1.75 through to 1:2.

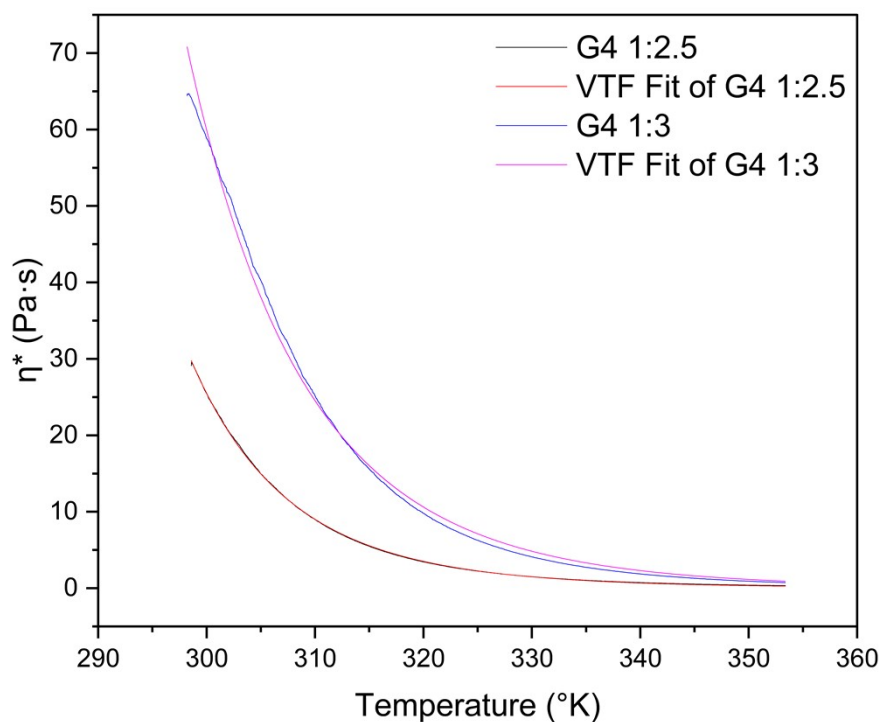


Fig S14. Complex viscosity vs temperature with VFT fitting curves for G4 SIL samples 1:2.5 through to 1:3.

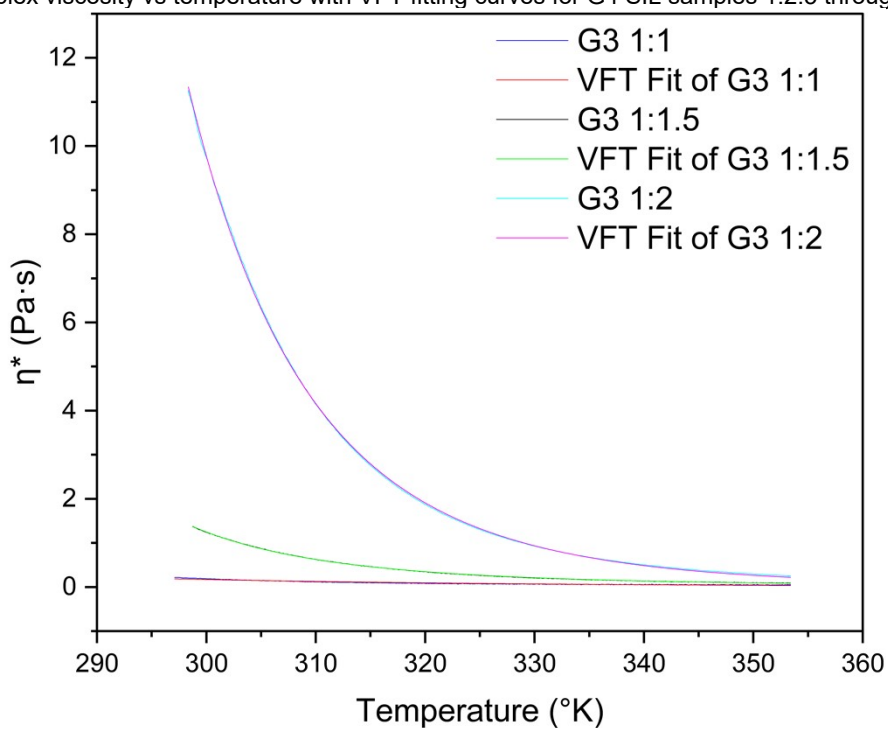


Fig S15. Complex viscosity vs temperature with VFT fitting curves for G3 SIL samples 1:1 through to 1:2.

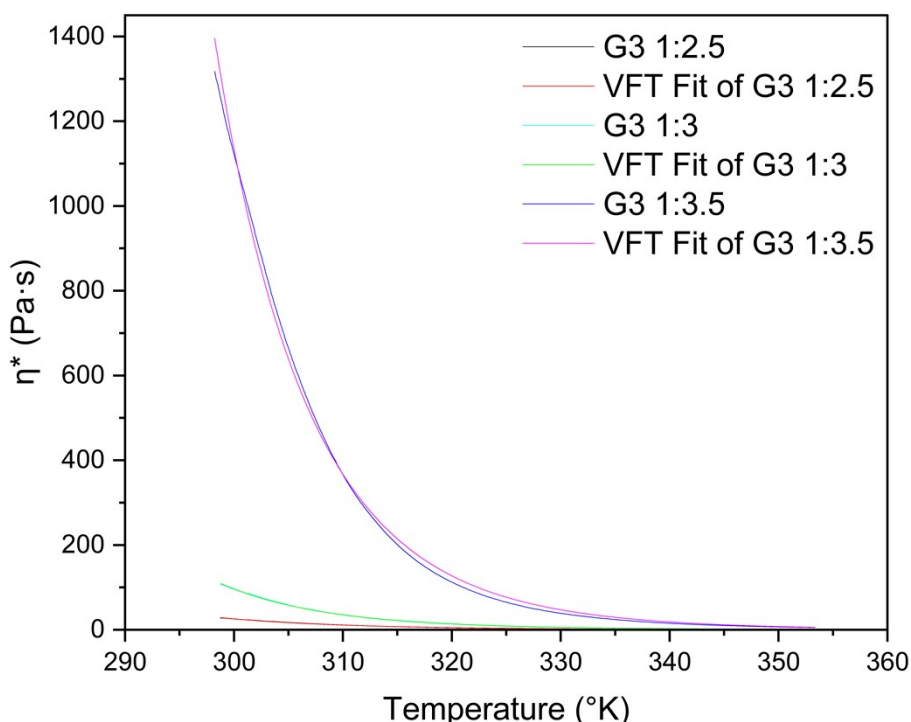


Fig S16. Complex viscosity vs temperature with VFT fitting curves for G3 SIL samples 1:2.5 through to 1:3.5. Complex viscosity vs temperature of G3-1:4 could not be measured by rheology as loading of this sample onto the rheometer without significant void formation, resulting in measurement errors, was not possible.

Highly viscous samples, G3-1:3.5 & G4-1:3, were loaded onto the rheometer at 140 °C and allowed to cool to RT on the lower parallel plate. This technique, termed 'hot loading', prevented void formation in these highly viscous samples that interferes with rheological measurements. After the gap distance was set to 525 μm (gap + trim distance) the side of the top parallel plate was cleared of any extruded sample to avoid interference in rheological measurements.

Table S11. VFT equation parameters of viscosity data.

	η^{*0} (Pa·s)	η^{*0} StD Error	B (°K)	B StD Error	T ⁰ (°K)	T ⁰ StD Error	R ²
G4-1:1	2.7×10^1	7.9×10^1	7.8×10^4	4.3×10^5	3.1×10^3	7.7×10^3	0.8718
G4-1:1.25	-1.9×10^0	1.6×10^{-2}	4.9×10^1	1.7×10^0	2.6×10^2	9.0×10^{-1}	0.9909
G4-1:1.5	-3.0×10^0	2.4×10^{-2}	2.3×10^2	4.4×10^0	2.2×10^2	8.8×10^{-1}	0.9993
G4-1:1.75	-3.3×10^0	1.1×10^{-2}	3.2×10^2	2.3×10^0	2.1×10^2	3.5×10^{-1}	0.9999
G4-1:2	-4.5×10^0	2.1×10^{-2}	6.2×10^2	5.6×10^0	1.7×10^2	6.1×10^{-1}	1.0000
G4-1:2.5	-7.8×10^0	1.2×10^{-1}	1.8×10^3	5.0×10^1	1.1×10^2	2.8×10^0	0.9999
G4-1:3	-1.0×10^1	1.2×10^0	3.6×10^3	7.3×10^2	0.0×10^0	3.1×10^1	0.9964
G3-1:1	1.5×10^1	1.5×10^1	2.0×10^4	3.7×10^4	1.6×10^3	1.1×10^3	0.9329
G3-1:1.5	-3.4×10^0	2.0×10^{-2}	3.8×10^2	4.7×10^0	1.9×10^2	7.4×10^{-1}	0.9998
G3-1:2	-7.0×10^0	9.6×10^{-2}	1.7×10^3	4.1×10^1	9.4×10^1	2.7×10^0	0.9999
G3-1:2.5	-9.9×10^0	5.4×10^{-1}	3.4×10^3	3.4×10^2	0.0×10^0	1.5×10^1	0.9990
G3-1:3	-1.1×10^1	4.6×10^{-1}	4.0×10^3	2.8×10^2	0.0×10^0	1.1×10^1	0.9997
G3-1:3.5	-1.2×10^1	1.5×10^0	4.6×10^3	8.9×10^2	1.3×10^{-203}	3.0×10^1	0.9980

Table S12. Complex viscosity (Pa·s) vs. temperature (°C) raw data for G3 samples 1:1 through to 1:3.5.

1:1		1:1.5		1:2		1:2.5		1:3		1:3.5	
Temp	η^*	Temp	η^*	Temp	η^*	Temp	η^*	Temp	η^*	Temp	η^*
23.95	0.218	25.60	1.368	25.23	11.241	25.62	26.962	25.65	105.988	25.08	1317.70
24.21	0.216	25.60	1.374	25.20	11.265	25.62	27.175	25.66	106.144	25.14	1310.08
24.45	0.218	25.62	1.370	25.20	11.254	25.62	27.230	25.66	106.633	25.22	1299.57
24.70	0.203	25.62	1.364	25.22	11.220	25.62	27.384	25.68	106.817	25.35	1287.76
24.92	0.207	25.63	1.372	25.26	11.195	25.63	27.527	25.68	107.376	25.44	1276.72
25.13	0.206	25.63	1.368	25.30	11.155	25.64	27.656	25.68	107.642	25.56	1261.83
25.33	0.202	25.66	1.371	25.37	11.102	25.66	27.897	25.69	107.854	25.67	1248.71
25.55	0.202	25.67	1.369	25.44	11.033	25.65	27.906	25.72	107.393	25.80	1234.07
25.73	0.199	25.69	1.360	25.56	10.938	25.71	27.896	25.77	106.955	25.90	1220.49
25.90	0.201	25.76	1.354	25.64	10.861	25.75	27.915	25.82	106.338	26.02	1207.25
26.05	0.193	25.83	1.346	25.74	10.747	25.82	27.838	25.88	105.866	26.14	1193.61
26.20	0.198	25.91	1.341	25.85	10.618	25.89	27.694	25.95	104.848	26.27	1180.23
26.33	0.195	26.00	1.325	25.97	10.494	25.98	27.554	26.04	103.971	26.39	1168.98
26.46	0.194	26.10	1.315	26.09	10.334	26.09	27.335	26.14	102.715	26.49	1156.83
26.56	0.189	26.19	1.301	26.24	10.215	26.18	27.064	26.25	101.660	26.62	1145.86
26.68	0.191	26.30	1.297	26.34	10.098	26.30	26.784	26.35	100.444	26.72	1135.60
26.77	0.189	26.42	1.287	26.48	10.003	26.41	26.535	26.47	99.182	26.82	1125.11
26.85	0.190	26.52	1.274	26.62	9.918	26.53	26.238	26.57	98.097	26.92	1115.21
26.94	0.186	26.66	1.257	26.73	9.816	26.64	25.955	26.70	96.890	27.01	1106.27
27.03	0.184	26.79	1.246	26.85	9.736	26.77	25.688	26.82	95.825	27.11	1097.30
27.09	0.183	26.91	1.239	26.95	9.673	26.90	25.489	26.94	94.862	27.20	1088.21
27.18	0.188	27.01	1.231	27.07	9.588	26.99	25.266	27.05	93.602	27.31	1079.40
27.27	0.183	27.12	1.216	27.18	9.484	27.12	25.079	27.18	92.562	27.38	1070.62
27.33	0.183	27.24	1.210	27.28	9.392	27.25	24.873	27.29	91.568	27.47	1060.86
27.41	0.182	27.36	1.204	27.36	9.331	27.34	24.592	27.40	90.565	27.58	1052.05
27.49	0.186	27.45	1.190	27.47	9.223	27.47	24.408	27.50	89.737	27.67	1042.88
27.57	0.183	27.56	1.182	27.58	9.126	27.56	24.173	27.60	89.176	27.79	1033.96
27.67	0.181	27.67	1.168	27.67	9.068	27.66	24.030	27.72	88.160	27.86	1025.37
27.73	0.180	27.75	1.165	27.78	9.015	27.75	23.846	27.82	87.420	27.95	1017.05
27.82	0.178	27.86	1.151	27.85	8.961	27.86	23.635	27.93	86.808	28.04	1007.02
27.92	0.182	27.97	1.150	27.95	8.909	27.97	23.495	28.01	86.175	28.15	998.96
28.01	0.177	28.06	1.142	28.07	8.858	28.05	23.372	28.12	85.613	28.25	988.54
28.11	0.178	28.16	1.133	28.13	8.775	28.15	23.195	28.21	84.884	28.34	979.66
28.20	0.169	28.23	1.125	28.24	8.697	28.23	23.185	28.29	84.386	28.43	970.36
28.29	0.174	28.33	1.116	28.33	8.638	28.32	23.038	28.39	83.607	28.54	961.30
28.39	0.174	28.43	1.112	28.43	8.552	28.42	22.950	28.48	83.135	28.65	951.82
28.49	0.170	28.53	1.101	28.52	8.478	28.52	22.768	28.57	82.571	28.73	942.99
28.60	0.173	28.63	1.100	28.59	8.410	28.60	22.637	28.67	81.887	28.81	933.11

28.69	0.172	28.71	1.090	28.67	8.350	28.69	22.423	28.75	81.238	28.91	922.89
28.78	0.170	28.81	1.082	28.75	8.306	28.79	22.241	28.83	80.510	29.01	913.99
28.90	0.173	28.88	1.075	28.86	8.239	28.88	22.072	28.92	79.919	29.11	904.07
28.99	0.172	28.99	1.068	28.94	8.195	28.97	21.880	29.02	79.112	29.22	894.48
29.10	0.169	29.09	1.062	29.07	8.130	29.07	21.708	29.11	78.254	29.31	885.71
29.20	0.166	29.18	1.054	29.14	8.044	29.15	21.543	29.19	77.663	29.42	876.64
29.29	0.164	29.27	1.047	29.22	7.991	29.24	21.371	29.28	76.722	29.51	867.07
29.37	0.162	29.37	1.042	29.34	7.933	29.34	21.238	29.37	75.921	29.61	858.20
29.48	0.166	29.47	1.030	29.43	7.855	29.43	21.064	29.46	75.275	29.70	848.99
29.58	0.164	29.57	1.027	29.53	7.780	29.54	20.902	29.55	74.456	29.80	839.08
29.67	0.163	29.65	1.016	29.62	7.708	29.63	20.675	29.65	73.633	29.89	830.38
29.75	0.162	29.74	1.013	29.72	7.636	29.73	20.532	29.76	72.886	30.00	821.50
29.83	0.160	29.84	1.004	29.82	7.579	29.81	20.328	29.85	72.172	30.08	813.18
29.96	0.162	29.95	0.998	29.90	7.529	29.91	20.194	29.93	71.398	30.18	804.43
30.05	0.157	30.03	0.988	29.99	7.461	30.01	20.064	30.03	70.857	30.26	795.22
30.14	0.157	30.12	0.982	30.09	7.387	30.11	19.907	30.11	69.983	30.37	786.06
30.24	0.156	30.21	0.976	30.19	7.356	30.19	19.777	30.23	69.490	30.47	777.96
30.34	0.161	30.33	0.973	30.28	7.314	30.29	19.639	30.31	68.748	30.56	768.56
30.44	0.155	30.42	0.963	30.36	7.254	30.38	19.603	30.41	68.075	30.66	760.95
30.53	0.160	30.52	0.957	30.47	7.173	30.48	19.450	30.51	67.402	30.76	752.70
30.61	0.154	30.61	0.956	30.56	7.119	30.58	19.322	30.62	66.880	30.84	744.32
30.71	0.155	30.72	0.943	30.66	7.063	30.67	19.205	30.70	66.180	30.94	737.20
30.79	0.155	30.82	0.942	30.76	6.978	30.76	19.011	30.79	65.618	31.06	728.57
30.91	0.158	30.89	0.932	30.83	6.942	30.85	18.832	30.89	64.877	31.14	720.83
30.99	0.152	31.00	0.924	30.93	6.876	30.94	18.674	30.97	64.306	31.24	712.77
31.09	0.150	31.08	0.925	31.04	6.811	31.04	18.538	31.06	63.833	31.33	704.79
31.19	0.152	31.18	0.913	31.13	6.763	31.12	18.382	31.17	63.059	31.44	697.69
31.30	0.149	31.28	0.907	31.22	6.717	31.23	18.197	31.25	62.541	31.52	689.45
31.40	0.153	31.38	0.907	31.34	6.675	31.33	18.041	31.35	61.763	31.62	682.50
31.47	0.148	31.46	0.901	31.42	6.614	31.42	17.912	31.45	61.260	31.71	674.19
31.58	0.153	31.56	0.888	31.52	6.550	31.51	17.758	31.55	60.624	31.82	667.36
31.67	0.144	31.66	0.889	31.61	6.500	31.61	17.541	31.64	60.088	31.91	660.17
31.75	0.148	31.78	0.877	31.70	6.426	31.70	17.397	31.73	59.401	32.00	653.23
31.87	0.140	31.84	0.870	31.77	6.385	31.80	17.250	31.84	58.765	32.11	646.28
31.96	0.149	31.96	0.866	31.87	6.331	31.90	17.119	31.92	58.207	32.19	638.78
32.05	0.148	32.06	0.858	31.99	6.281	31.99	17.015	32.02	57.566	32.30	631.90
32.16	0.149	32.13	0.856	32.08	6.227	32.07	16.887	32.11	56.897	32.39	624.04
32.24	0.142	32.24	0.857	32.16	6.191	32.18	16.806	32.21	56.343	32.48	617.65
32.35	0.142	32.35	0.842	32.24	6.145	32.28	16.686	32.31	55.739	32.58	610.57
32.44	0.140	32.42	0.838	32.36	6.093	32.36	16.591	32.39	55.264	32.69	604.42
32.54	0.140	32.53	0.834	32.45	6.050	32.46	16.502	32.47	54.584	32.79	597.85
32.64	0.144	32.62	0.828	32.53	5.991	32.56	16.420	32.58	54.038	32.87	591.13

32.73	0.143	32.71	0.821	32.64	5.957	32.65	16.260	32.68	53.526	32.97	584.45
32.80	0.139	32.81	0.820	32.73	5.899	32.73	16.141	32.76	53.101	33.07	577.56
32.91	0.142	32.90	0.808	32.81	5.835	32.84	15.965	32.86	52.660	33.18	570.54
33.01	0.139	33.01	0.806	32.90	5.796	32.92	15.820	32.95	52.079	33.25	564.30
33.11	0.137	33.09	0.801	33.02	5.752	33.01	15.634	33.04	51.697	33.37	558.10
33.20	0.135	33.20	0.794	33.12	5.699	33.11	15.511	33.13	51.230	33.45	551.96
33.29	0.142	33.29	0.792	33.22	5.647	33.21	15.415	33.22	50.954	33.57	545.21
33.41	0.139	33.39	0.784	33.31	5.619	33.31	15.261	33.32	50.500	33.64	539.75
33.49	0.135	33.48	0.785	33.39	5.566	33.39	15.146	33.43	50.087	33.75	533.36
33.58	0.133	33.56	0.780	33.50	5.535	33.49	14.996	33.51	49.662	33.83	527.34
33.67	0.136	33.66	0.771	33.58	5.489	33.58	14.865	33.60	49.313	33.94	521.03
33.78	0.137	33.76	0.758	33.68	5.442	33.68	14.719	33.72	48.644	34.03	515.27
33.86	0.136	33.86	0.766	33.76	5.406	33.79	14.600	33.79	48.410	34.13	509.16
33.96	0.135	33.94	0.754	33.84	5.345	33.85	14.513	33.89	48.165	34.23	503.27
34.06	0.135	34.05	0.752	33.95	5.304	33.96	14.402	34.00	47.621	34.33	497.54
34.16	0.132	34.13	0.748	34.06	5.252	34.07	14.323	34.07	47.192	34.42	491.82
34.26	0.133	34.24	0.742	34.15	5.216	34.15	14.217	34.18	46.744	34.51	486.62
34.35	0.132	34.33	0.740	34.26	5.181	34.24	14.144	34.27	46.325	34.61	480.48
34.44	0.133	34.43	0.733	34.35	5.144	34.34	14.013	34.36	45.772	34.71	475.04
34.54	0.130	34.52	0.728	34.42	5.105	34.44	13.932	34.45	45.337	34.81	469.41
34.64	0.132	34.62	0.728	34.52	5.058	34.54	13.832	34.55	44.855	34.91	464.30
34.74	0.130	34.71	0.722	34.64	5.013	34.62	13.691	34.64	44.408	35.00	458.54
34.85	0.126	34.80	0.714	34.69	4.988	34.71	13.568	34.73	43.930	35.10	453.29
34.91	0.131	34.90	0.710	34.82	4.939	34.80	13.435	34.83	43.405	35.20	448.20
35.04	0.132	34.99	0.708	34.91	4.901	34.90	13.304	34.95	42.925	35.29	442.96
35.13	0.129	35.11	0.701	34.99	4.862	35.01	13.200	35.01	42.444	35.38	437.86
35.21	0.131	35.18	0.701	35.10	4.812	35.11	13.098	35.11	41.972	35.47	433.37
35.30	0.130	35.28	0.696	35.19	4.779	35.18	12.964	35.22	41.590	35.57	428.06
35.41	0.124	35.37	0.693	35.29	4.731	35.29	12.859	35.31	41.177	35.67	422.82
35.49	0.126	35.47	0.686	35.38	4.708	35.39	12.731	35.40	40.725	35.75	417.92
35.59	0.126	35.57	0.678	35.47	4.663	35.48	12.628	35.50	40.433	35.86	412.95
35.66	0.122	35.67	0.680	35.57	4.631	35.58	12.550	35.59	39.963	35.96	408.05
35.76	0.125	35.75	0.667	35.66	4.586	35.66	12.457	35.68	39.669	36.07	403.14
35.87	0.119	35.86	0.666	35.77	4.547	35.76	12.404	35.78	39.346	36.17	398.80
35.96	0.120	35.94	0.660	35.86	4.510	35.85	12.291	35.89	38.983	36.25	393.97
36.06	0.120	36.04	0.660	35.96	4.487	35.93	12.207	35.97	38.552	36.34	389.01
36.16	0.119	36.15	0.650	36.05	4.454	36.05	12.107	36.07	38.201	36.45	384.43
36.24	0.126	36.24	0.653	36.14	4.408	36.15	12.000	36.16	37.837	36.55	379.78
36.34	0.119	36.34	0.647	36.24	4.371	36.23	11.941	36.25	37.501	36.65	375.39
36.44	0.119	36.45	0.644	36.33	4.336	36.33	11.851	36.34	37.056	36.74	370.98
36.53	0.124	36.55	0.641	36.43	4.301	36.42	11.779	36.42	36.742	36.84	367.08
36.63	0.122	36.63	0.634	36.52	4.265	36.51	11.648	36.52	36.327	36.93	362.68

36.74	0.119	36.73	0.631	36.60	4.236	36.62	11.525	36.63	35.939	37.03	358.07
36.83	0.119	36.82	0.630	36.70	4.201	36.69	11.429	36.72	35.601	37.12	354.12
36.93	0.117	36.92	0.625	36.79	4.161	36.81	11.340	36.82	35.279	37.21	349.72
37.03	0.118	37.00	0.618	36.91	4.131	36.91	11.202	36.91	34.809	37.31	346.41
37.11	0.116	37.11	0.609	36.99	4.104	36.99	11.146	37.00	34.533	37.41	342.13
37.21	0.121	37.21	0.616	37.08	4.072	37.08	11.017	37.11	34.229	37.51	338.26
37.32	0.119	37.31	0.607	37.18	4.037	37.19	10.935	37.19	33.888	37.59	334.38
37.41	0.111	37.38	0.601	37.28	4.006	37.28	10.834	37.29	33.583	37.69	330.04
37.52	0.109	37.48	0.606	37.37	3.979	37.37	10.757	37.38	33.280	37.81	326.71
37.61	0.116	37.58	0.597	37.47	3.946	37.46	10.698	37.47	32.950	37.89	322.71
37.71	0.112	37.65	0.597	37.58	3.914	37.55	10.590	37.57	32.711	37.98	319.25
37.79	0.111	37.77	0.590	37.65	3.889	37.65	10.546	37.67	32.490	38.08	315.21
37.89	0.109	37.85	0.588	37.76	3.846	37.74	10.447	37.76	32.286	38.18	312.06
37.99	0.114	37.96	0.584	37.84	3.821	37.84	10.356	37.87	32.106	38.27	308.66
38.08	0.112	38.06	0.578	37.94	3.782	37.94	10.294	37.95	31.793	38.37	304.69
38.18	0.114	38.14	0.578	38.04	3.763	38.04	10.226	38.05	31.605	38.47	300.90
38.27	0.118	38.23	0.579	38.13	3.735	38.12	10.140	38.14	31.326	38.57	298.05
38.36	0.107	38.33	0.572	38.23	3.703	38.23	10.062	38.22	30.984	38.68	294.32
38.48	0.111	38.44	0.572	38.31	3.671	38.31	9.961	38.32	30.691	38.75	290.90
38.55	0.107	38.53	0.562	38.42	3.655	38.41	9.911	38.42	30.349	38.86	287.71
38.65	0.115	38.63	0.563	38.52	3.624	38.49	9.825	38.52	30.017	38.95	284.35
38.76	0.109	38.72	0.556	38.62	3.593	38.60	9.695	38.60	29.743	39.06	281.10
38.82	0.106	38.82	0.554	38.68	3.557	38.69	9.660	38.70	29.398	39.14	278.08
38.93	0.108	38.92	0.547	38.79	3.534	38.78	9.563	38.80	28.978	39.25	274.83
39.02	0.105	39.01	0.548	38.88	3.515	38.90	9.455	38.91	28.724	39.35	271.76
39.13	0.105	39.10	0.544	38.97	3.480	38.99	9.365	38.99	28.502	39.43	268.87
39.24	0.107	39.20	0.545	39.07	3.450	39.06	9.302	39.08	28.149	39.51	265.54
39.32	0.104	39.30	0.535	39.15	3.433	39.17	9.227	39.19	27.923	39.64	262.52
39.42	0.104	39.39	0.535	39.26	3.396	39.26	9.147	39.28	27.639	39.72	259.57
39.51	0.107	39.50	0.533	39.34	3.374	39.37	9.062	39.38	27.420	39.82	256.89
39.62	0.106	39.58	0.530	39.46	3.350	39.45	9.016	39.47	27.168	39.92	253.86
39.72	0.106	39.68	0.528	39.53	3.321	39.53	8.963	39.57	26.937	40.01	250.73
39.80	0.107	39.78	0.527	39.62	3.298	39.65	8.891	39.66	26.695	40.11	248.37
39.90	0.106	39.88	0.521	39.72	3.278	39.74	8.832	39.75	26.466	40.20	245.41
40.00	0.109	39.98	0.519	39.83	3.249	39.83	8.757	39.85	26.168	40.30	242.71
40.10	0.108	40.06	0.514	39.91	3.216	39.94	8.683	39.93	25.949	40.39	239.96
40.18	0.105	40.15	0.504	40.02	3.200	40.03	8.628	40.02	25.677	40.49	236.75
40.28	0.106	40.26	0.507	40.10	3.173	40.11	8.563	40.13	25.347	40.59	234.29
40.38	0.102	40.35	0.501	40.21	3.146	40.22	8.517	40.22	25.100	40.69	231.52
40.47	0.103	40.44	0.501	40.30	3.136	40.31	8.430	40.30	24.890	40.77	228.69
40.58	0.099	40.53	0.499	40.39	3.100	40.42	8.347	40.41	24.582	40.87	226.07
40.67	0.101	40.64	0.497	40.47	3.084	40.50	8.289	40.50	24.431	40.97	223.43

40.75	0.102	40.74	0.494	40.58	3.058	40.59	8.215	40.60	24.224	41.07	220.81
40.86	0.103	40.82	0.495	40.67	3.037	40.68	8.128	40.69	24.065	41.15	218.17
40.96	0.100	40.92	0.489	40.75	3.010	40.80	8.062	40.79	23.845	41.27	215.97
41.05	0.103	41.02	0.479	40.87	2.988	40.87	7.993	40.87	23.721	41.36	213.18
41.15	0.095	41.12	0.480	40.96	2.960	40.97	7.919	40.98	23.593	41.46	210.87
41.25	0.103	41.23	0.485	41.05	2.944	41.05	7.851	41.08	23.407	41.56	208.43
41.33	0.101	41.32	0.471	41.13	2.920	41.17	7.800	41.17	23.206	41.65	206.13
41.43	0.096	41.40	0.475	41.23	2.895	41.27	7.744	41.27	22.984	41.74	203.63
41.52	0.092	41.50	0.474	41.33	2.881	41.34	7.675	41.37	22.797	41.83	201.42
41.62	0.101	41.59	0.468	41.43	2.849	41.44	7.615	41.44	22.634	41.94	198.87
41.72	0.100	41.70	0.470	41.51	2.833	41.55	7.568	41.54	22.323	42.03	196.71
41.82	0.101	41.79	0.461	41.62	2.816	41.64	7.504	41.63	22.081	42.13	194.44
41.92	0.093	41.89	0.463	41.71	2.789	41.73	7.452	41.74	21.835	42.23	192.07
42.01	0.097	41.98	0.460	41.81	2.772	41.84	7.394	41.81	21.638	42.33	189.87
42.12	0.094	42.07	0.456	41.90	2.745	41.93	7.330	41.92	21.444	42.41	187.55
42.20	0.096	42.18	0.454	42.00	2.729	42.03	7.281	42.01	21.230	42.50	185.44
42.30	0.096	42.28	0.451	42.08	2.709	42.13	7.234	42.11	21.033	42.62	183.38
42.39	0.097	42.36	0.448	42.19	2.693	42.21	7.189	42.19	20.852	42.72	181.37
42.50	0.097	42.46	0.447	42.28	2.672	42.31	7.120	42.28	20.695	42.81	179.26
42.58	0.094	42.57	0.446	42.36	2.651	42.38	7.064	42.39	20.466	42.90	177.10
42.67	0.096	42.66	0.440	42.46	2.632	42.50	6.992	42.48	20.304	43.01	175.17
42.78	0.099	42.76	0.437	42.54	2.616	42.60	6.920	42.58	20.073	43.10	173.08
42.86	0.092	42.83	0.437	42.62	2.593	42.68	6.873	42.67	19.854	43.19	171.30
42.97	0.095	42.93	0.434	42.75	2.577	42.79	6.814	42.75	19.675	43.29	169.31
43.05	0.094	43.03	0.430	42.82	2.558	42.87	6.762	42.86	19.483	43.38	167.27
43.15	0.095	43.13	0.429	42.93	2.535	42.98	6.722	42.95	19.259	43.48	165.43
43.27	0.092	43.23	0.426	43.02	2.518	43.07	6.656	43.03	19.115	43.57	163.57
43.34	0.092	43.33	0.426	43.12	2.501	43.17	6.610	43.14	18.960	43.67	161.60
43.46	0.093	43.42	0.417	43.21	2.478	43.24	6.554	43.24	18.819	43.76	159.70
43.54	0.088	43.52	0.421	43.29	2.453	43.34	6.512	43.33	18.755	43.86	158.26
43.64	0.090	43.61	0.418	43.40	2.449	43.45	6.457	43.44	18.610	43.97	156.20
43.73	0.090	43.70	0.415	43.49	2.429	43.54	6.426	43.53	18.506	44.06	154.48
43.84	0.092	43.80	0.415	43.60	2.410	43.65	6.366	43.61	18.431	44.16	152.85
43.91	0.088	43.90	0.407	43.69	2.392	43.72	6.303	43.71	18.191	44.25	151.13
44.02	0.092	43.99	0.404	43.79	2.370	43.83	6.268	43.79	17.996	44.35	149.53
44.12	0.091	44.09	0.407	43.86	2.353	43.93	6.209	43.89	17.817	44.44	147.85
44.22	0.086	44.18	0.404	43.97	2.336	44.02	6.154	43.99	17.663	44.55	145.94
44.31	0.088	44.27	0.401	44.06	2.318	44.10	6.124	44.09	17.476	44.63	144.67
44.40	0.089	44.38	0.395	44.15	2.307	44.21	6.063	44.16	17.258	44.73	143.02
44.50	0.087	44.47	0.392	44.25	2.290	44.29	6.025	44.28	17.135	44.84	141.49
44.59	0.093	44.56	0.397	44.33	2.268	44.40	5.974	44.36	16.966	44.91	139.96
44.69	0.085	44.66	0.391	44.43	2.250	44.50	5.913	44.48	16.823	45.02	138.35

44.78	0.085	44.76	0.392	44.53	2.238	44.59	5.881	44.56	16.642	45.11	136.93
44.88	0.089	44.86	0.388	44.63	2.224	44.67	5.820	44.67	16.513	45.21	135.41
44.97	0.087	44.95	0.387	44.70	2.200	44.76	5.789	44.75	16.360	45.31	133.84
45.07	0.086	45.06	0.385	44.82	2.187	44.86	5.752	44.84	16.164	45.40	132.45
45.17	0.087	45.15	0.380	44.90	2.173	44.95	5.698	44.93	16.030	45.49	130.88
45.24	0.089	45.24	0.378	45.02	2.159	45.05	5.659	45.03	15.860	45.60	129.43
45.35	0.091	45.34	0.376	45.10	2.137	45.13	5.620	45.13	15.716	45.69	128.33
45.45	0.093	45.44	0.370	45.19	2.132	45.23	5.570	45.22	15.625	45.79	126.74
45.55	0.082	45.53	0.372	45.28	2.115	45.33	5.536	45.32	15.511	45.89	125.41
45.65	0.087	45.63	0.369	45.37	2.103	45.42	5.485	45.41	15.423	45.99	124.06
45.73	0.093	45.70	0.369	45.46	2.089	45.50	5.443	45.51	15.328	46.07	122.68
45.84	0.084	45.82	0.364	45.55	2.067	45.61	5.401	45.60	15.240	46.17	121.26
45.93	0.087	45.91	0.364	45.65	2.050	45.71	5.368	45.70	15.097	46.27	119.98
46.02	0.088	46.00	0.361	45.77	2.038	45.80	5.327	45.79	14.948	46.38	118.69
46.12	0.086	46.11	0.361	45.84	2.023	45.89	5.290	45.89	14.840	46.47	117.41
46.22	0.083	46.21	0.359	45.93	2.012	46.00	5.246	45.96	14.708	46.56	116.03
46.31	0.081	46.29	0.354	46.05	1.995	46.09	5.214	46.07	14.558	46.66	114.77
46.41	0.088	46.38	0.352	46.14	1.977	46.18	5.164	46.16	14.420	46.78	113.43
46.49	0.082	46.49	0.356	46.22	1.966	46.27	5.125	46.26	14.288	46.87	112.50
46.60	0.086	46.58	0.351	46.32	1.951	46.36	5.087	46.35	14.146	46.96	111.41
46.68	0.084	46.67	0.345	46.42	1.936	46.45	5.046	46.45	13.981	47.04	110.05
46.78	0.086	46.77	0.346	46.51	1.922	46.54	5.013	46.54	13.895	47.16	108.81
46.89	0.083	46.87	0.349	46.60	1.914	46.65	4.975	46.65	13.761	47.24	107.53
46.98	0.077	46.96	0.345	46.70	1.897	46.73	4.936	46.73	13.602	47.35	106.61
47.07	0.084	47.06	0.339	46.80	1.876	46.83	4.896	46.83	13.476	47.44	105.19
47.17	0.078	47.16	0.336	46.88	1.874	46.92	4.868	46.91	13.355	47.54	104.13
47.27	0.082	47.26	0.338	46.98	1.860	47.04	4.824	47.02	13.240	47.63	103.04
47.37	0.080	47.36	0.337	47.07	1.845	47.11	4.797	47.10	13.150	47.72	102.03
47.46	0.077	47.45	0.334	47.17	1.829	47.21	4.764	47.21	13.086	47.83	101.01
47.55	0.083	47.54	0.327	47.29	1.822	47.30	4.709	47.31	12.995	47.91	99.92
47.65	0.077	47.64	0.333	47.35	1.802	47.40	4.695	47.40	12.882	48.01	98.88
47.74	0.083	47.74	0.324	47.47	1.794	47.48	4.653	47.47	12.801	48.12	97.60
47.84	0.081	47.81	0.328	47.57	1.781	47.57	4.614	47.59	12.706	48.21	96.63
47.94	0.081	47.91	0.323	47.65	1.772	47.68	4.573	47.69	12.607	48.31	95.50
48.03	0.076	48.00	0.325	47.73	1.763	47.77	4.534	47.77	12.497	48.39	94.59
48.14	0.077	48.11	0.322	47.82	1.749	47.87	4.503	47.88	12.396	48.49	93.38
48.23	0.078	48.20	0.322	47.93	1.738	47.96	4.479	47.97	12.261	48.59	92.51
48.32	0.080	48.28	0.317	48.01	1.721	48.05	4.442	48.06	12.108	48.70	91.61
48.41	0.081	48.39	0.313	48.11	1.709	48.14	4.405	48.17	11.999	48.79	90.73
48.50	0.079	48.48	0.319	48.20	1.695	48.24	4.377	48.24	11.899	48.88	89.76
48.60	0.075	48.58	0.318	48.29	1.687	48.34	4.341	48.35	11.795	48.98	88.67
48.70	0.081	48.67	0.308	48.39	1.668	48.43	4.311	48.44	11.681	49.07	87.94

48.78	0.077	48.78	0.308	48.48	1.655	48.53	4.280	48.54	11.573	49.18	86.77
48.88	0.080	48.87	0.307	48.57	1.651	48.61	4.245	48.64	11.471	49.27	85.99
48.98	0.080	48.97	0.311	48.69	1.643	48.71	4.216	48.71	11.397	49.36	84.79
49.08	0.073	49.06	0.311	48.75	1.628	48.80	4.178	48.81	11.301	49.46	84.39
49.19	0.078	49.16	0.301	48.86	1.617	48.89	4.161	48.90	11.249	49.56	83.32
49.28	0.075	49.25	0.305	48.95	1.607	49.00	4.134	48.98	11.182	49.66	82.15
49.37	0.078	49.33	0.301	49.06	1.594	49.08	4.103	49.09	11.084	49.76	81.58
49.47	0.076	49.44	0.303	49.13	1.580	49.18	4.072	49.19	10.976	49.85	80.70
49.56	0.076	49.55	0.296	49.24	1.571	49.26	4.042	49.29	10.875	49.94	79.87
49.65	0.083	49.62	0.297	49.35	1.560	49.37	4.018	49.37	10.823	50.03	78.82
49.76	0.075	49.72	0.302	49.43	1.550	49.44	3.978	49.47	10.744	50.14	78.12
49.85	0.067	49.84	0.296	49.53	1.544	49.55	3.954	49.56	10.629	50.21	77.28
49.95	0.074	49.92	0.296	49.63	1.529	49.63	3.922	49.66	10.552	50.34	76.83
50.05	0.076	50.00	0.288	49.70	1.518	49.73	3.884	49.76	10.469	50.42	75.83
50.13	0.075	50.11	0.292	49.81	1.509	49.83	3.855	49.83	10.337	50.53	74.94
50.22	0.082	50.20	0.286	49.91	1.502	49.93	3.834	49.93	10.258	50.61	74.32
50.33	0.082	50.28	0.286	50.01	1.487	50.03	3.803	50.04	10.144	50.72	73.60
50.41	0.072	50.41	0.285	50.10	1.477	50.12	3.770	50.12	10.062	50.82	72.68
50.51	0.078	50.48	0.283	50.19	1.468	50.22	3.752	50.23	9.969	50.92	72.04
50.59	0.076	50.59	0.288	50.28	1.458	50.31	3.722	50.31	9.914	51.02	71.31
50.70	0.074	50.68	0.284	50.38	1.452	50.40	3.685	50.41	9.814	51.10	70.55
50.79	0.078	50.78	0.276	50.46	1.439	50.51	3.664	50.51	9.729	51.21	69.82
50.88	0.075	50.87	0.280	50.56	1.432	50.59	3.641	50.62	9.668	51.29	69.09
50.98	0.069	50.97	0.274	50.66	1.422	50.69	3.612	50.69	9.602	51.39	68.29
51.09	0.077	51.05	0.273	50.74	1.409	50.78	3.584	50.78	9.532	51.50	67.47
51.18	0.070	51.15	0.277	50.84	1.406	50.87	3.563	50.89	9.460	51.59	67.05
51.27	0.075	51.25	0.276	50.94	1.387	50.97	3.530	50.98	9.363	51.68	66.16
51.38	0.070	51.34	0.270	51.02	1.379	51.06	3.503	51.09	9.305	51.79	65.62
51.48	0.076	51.44	0.270	51.12	1.375	51.16	3.491	51.17	9.265	51.89	65.10
51.58	0.073	51.53	0.269	51.21	1.364	51.26	3.455	51.25	9.180	51.97	64.19
51.67	0.073	51.63	0.269	51.30	1.357	51.33	3.437	51.38	9.080	52.07	63.57
51.76	0.076	51.73	0.267	51.39	1.347	51.43	3.402	51.46	8.982	52.17	62.84
51.87	0.075	51.82	0.263	51.51	1.338	51.53	3.385	51.56	8.911	52.27	62.28
51.96	0.077	51.91	0.260	51.59	1.325	51.63	3.363	51.65	8.818	52.35	61.58
52.04	0.067	52.01	0.263	51.68	1.315	51.72	3.328	51.74	8.753	52.46	61.24
52.13	0.075	52.11	0.265	51.77	1.315	51.80	3.307	51.83	8.691	52.56	60.30
52.24	0.071	52.20	0.259	51.87	1.304	51.89	3.293	51.93	8.614	52.66	59.75
52.33	0.073	52.30	0.257	51.97	1.291	52.00	3.261	52.03	8.540	52.75	59.09
52.44	0.071	52.40	0.256	52.08	1.282	52.09	3.242	52.12	8.472	52.85	58.53
52.52	0.067	52.51	0.255	52.14	1.275	52.20	3.218	52.22	8.449	52.96	58.07
52.62	0.070	52.59	0.253	52.25	1.269	52.31	3.189	52.30	8.346	53.04	57.23
52.72	0.071	52.68	0.251	52.35	1.259	52.39	3.161	52.39	8.291	53.15	56.87

52.83	0.074	52.79	0.253	52.45	1.252	52.49	3.150	52.49	8.239	53.23	56.17
52.91	0.072	52.88	0.253	52.55	1.247	52.58	3.126	52.60	8.189	53.33	55.63
53.00	0.070	52.98	0.253	52.65	1.234	52.69	3.096	52.68	8.130	53.42	55.09
53.10	0.066	53.07	0.251	52.73	1.225	52.76	3.081	52.78	8.060	53.52	54.59
53.20	0.065	53.15	0.242	52.83	1.220	52.87	3.056	52.87	7.985	53.61	53.80
53.29	0.070	53.26	0.247	52.92	1.212	52.97	3.036	52.97	7.930	53.70	53.28
53.40	0.076	53.34	0.244	53.01	1.204	53.06	3.007	53.06	7.837	53.80	52.85
53.48	0.068	53.43	0.240	53.12	1.193	53.15	2.990	53.17	7.791	53.91	52.18
53.57	0.069	53.54	0.244	53.21	1.190	53.23	2.979	53.25	7.709	53.99	51.72
53.68	0.069	53.63	0.239	53.32	1.176	53.35	2.947	53.36	7.643	54.11	51.40
53.77	0.070	53.72	0.243	53.40	1.172	53.43	2.933	53.44	7.594	54.19	50.93
53.87	0.070	53.81	0.239	53.48	1.166	53.51	2.918	53.54	7.551	54.28	50.26
53.97	0.065	53.91	0.234	53.59	1.156	53.61	2.887	53.64	7.491	54.40	49.68
54.05	0.075	54.01	0.239	53.67	1.149	53.70	2.872	53.72	7.442	54.48	49.23
54.16	0.070	54.10	0.237	53.79	1.138	53.79	2.848	53.81	7.385	54.58	48.78
54.26	0.067	54.20	0.238	53.88	1.132	53.89	2.836	53.90	7.332	54.70	48.30
54.35	0.070	54.30	0.235	53.98	1.126	53.99	2.819	54.01	7.257	54.78	47.87
54.44	0.074	54.40	0.231	54.08	1.120	54.09	2.790	54.08	7.202	54.86	47.39
54.53	0.063	54.48	0.231	54.16	1.113	54.19	2.778	54.19	7.165	54.98	47.09
54.64	0.069	54.58	0.232	54.27	1.106	54.28	2.749	54.29	7.078	55.07	46.62
54.74	0.074	54.67	0.234	54.36	1.093	54.37	2.734	54.39	7.021	55.16	45.98
54.83	0.066	54.78	0.227	54.45	1.092	54.46	2.716	54.50	6.972	55.26	45.58
54.92	0.067	54.86	0.225	54.55	1.088	54.55	2.689	54.57	6.895	55.33	45.16
55.01	0.062	54.96	0.225	54.65	1.075	54.65	2.673	54.68	6.854	55.45	44.73
55.11	0.071	55.05	0.220	54.75	1.069	54.74	2.653	54.77	6.801	55.54	44.37
55.21	0.063	55.14	0.224	54.83	1.063	54.84	2.638	54.85	6.758	55.64	43.87
55.31	0.069	55.24	0.227	54.92	1.053	54.92	2.619	54.96	6.716	55.73	43.40
55.39	0.071	55.35	0.219	55.01	1.050	55.02	2.597	55.06	6.653	55.83	43.07
55.48	0.065	55.43	0.222	55.10	1.041	55.12	2.585	55.14	6.620	55.93	42.56
55.58	0.069	55.53	0.220	55.20	1.040	55.20	2.566	55.23	6.559	56.04	42.36
55.68	0.071	55.62	0.220	55.30	1.028	55.31	2.543	55.33	6.513	56.12	41.76
55.77	0.072	55.73	0.222	55.38	1.025	55.39	2.532	55.43	6.455	56.23	41.43
55.87	0.067	55.82	0.214	55.49	1.015	55.51	2.508	55.51	6.404	56.32	41.08
55.98	0.071	55.92	0.214	55.57	1.016	55.60	2.499	55.61	6.350	56.42	40.72
56.07	0.069	56.02	0.216	55.66	1.003	55.69	2.476	55.70	6.305	56.51	40.14
56.17	0.064	56.10	0.213	55.77	0.996	55.77	2.466	55.81	6.253	56.61	39.85
56.25	0.065	56.19	0.214	55.85	0.995	55.88	2.447	55.90	6.205	56.70	39.64
56.33	0.064	56.30	0.210	55.94	0.991	55.97	2.430	56.00	6.164	56.79	39.05
56.43	0.063	56.38	0.208	56.04	0.981	56.06	2.416	56.10	6.106	56.89	38.64
56.53	0.068	56.49	0.209	56.14	0.975	56.15	2.397	56.18	6.070	56.97	38.44
56.63	0.067	56.58	0.209	56.24	0.965	56.24	2.379	56.28	6.010	57.08	38.11
56.73	0.062	56.67	0.209	56.33	0.962	56.34	2.360	56.35	5.988	57.17	37.76

56.82	0.062	56.79	0.205	56.42	0.953	56.42	2.349	56.46	5.944	57.26	37.31
56.91	0.065	56.88	0.205	56.52	0.950	56.53	2.330	56.55	5.908	57.36	37.15
57.01	0.068	56.95	0.209	56.62	0.938	56.63	2.313	56.63	5.863	57.47	36.75
57.09	0.069	57.06	0.201	56.73	0.937	56.70	2.292	56.73	5.817	57.56	36.35
57.20	0.064	57.15	0.204	56.82	0.931	56.82	2.285	56.83	5.768	57.65	36.01
57.30	0.060	57.24	0.200	56.91	0.928	56.90	2.267	56.91	5.734	57.75	35.60
57.40	0.069	57.35	0.206	57.00	0.919	57.01	2.254	57.01	5.686	57.86	35.32
57.49	0.068	57.44	0.203	57.09	0.912	57.10	2.239	57.09	5.628	57.95	34.96
57.57	0.063	57.54	0.198	57.18	0.909	57.20	2.224	57.21	5.592	58.04	34.67
57.68	0.067	57.63	0.198	57.29	0.902	57.29	2.206	57.29	5.546	58.15	34.52
57.76	0.060	57.72	0.200	57.39	0.898	57.38	2.190	57.40	5.513	58.22	34.13
57.86	0.062	57.83	0.200	57.48	0.891	57.49	2.171	57.48	5.465	58.32	34.00
57.96	0.059	57.92	0.201	57.55	0.885	57.57	2.158	57.58	5.422	58.42	33.38
58.06	0.064	58.02	0.196	57.65	0.878	57.67	2.150	57.69	5.377	58.52	33.11
58.15	0.063	58.12	0.194	57.79	0.875	57.76	2.132	57.79	5.340	58.62	32.87
58.25	0.063	58.21	0.195	57.84	0.867	57.86	2.115	57.88	5.299	58.71	32.53
58.35	0.061	58.31	0.196	57.94	0.865	57.94	2.096	57.98	5.272	58.82	32.35
58.44	0.067	58.39	0.188	58.04	0.863	58.04	2.089	58.06	5.229	58.89	31.98
58.53	0.062	58.50	0.188	58.13	0.853	58.15	2.073	58.15	5.183	59.00	31.61
58.64	0.067	58.59	0.190	58.24	0.847	58.23	2.057	58.24	5.153	59.08	31.39
58.73	0.062	58.69	0.191	58.33	0.842	58.35	2.049	58.35	5.107	59.19	31.05
58.82	0.061	58.78	0.191	58.44	0.842	58.43	2.031	58.45	5.073	59.27	30.89
58.93	0.057	58.86	0.189	58.50	0.834	58.52	2.016	58.53	5.028	59.40	30.47
59.03	0.065	58.98	0.190	58.61	0.826	58.62	2.003	58.66	4.986	59.48	30.24
59.12	0.069	59.07	0.188	58.72	0.823	58.71	1.991	58.72	4.944	59.59	29.93
59.20	0.068	59.17	0.189	58.80	0.818	58.81	1.977	58.82	4.916	59.66	29.76
59.31	0.059	59.25	0.183	58.90	0.811	58.89	1.962	58.90	4.890	59.77	29.42
59.41	0.063	59.36	0.183	58.99	0.810	58.98	1.949	59.02	4.844	59.87	29.14
59.49	0.067	59.44	0.184	59.09	0.805	59.09	1.943	59.11	4.819	59.97	28.90
59.60	0.062	59.56	0.186	59.19	0.802	59.20	1.922	59.19	4.789	60.05	28.62
59.69	0.059	59.65	0.188	59.28	0.792	59.29	1.909	59.29	4.755	60.16	28.31
59.79	0.063	59.73	0.182	59.37	0.787	59.38	1.901	59.37	4.704	60.25	27.97
59.88	0.059	59.83	0.184	59.47	0.783	59.48	1.886	59.47	4.673	60.35	27.77
59.97	0.060	59.92	0.186	59.56	0.780	59.56	1.880	59.57	4.646	60.46	27.54
60.05	0.059	60.02	0.181	59.65	0.775	59.67	1.867	59.67	4.612	60.54	27.23
60.16	0.063	60.11	0.179	59.76	0.771	59.76	1.853	59.76	4.574	60.63	27.22
60.26	0.069	60.21	0.177	59.84	0.763	59.85	1.837	59.86	4.545	60.73	26.84
60.36	0.062	60.31	0.177	59.95	0.761	59.95	1.828	59.95	4.502	60.85	26.67
60.46	0.059	60.38	0.177	60.02	0.759	60.06	1.810	60.05	4.473	60.93	26.33
60.54	0.060	60.49	0.178	60.12	0.755	60.14	1.805	60.13	4.434	61.02	26.14
60.65	0.057	60.59	0.176	60.21	0.747	60.24	1.786	60.23	4.410	61.13	25.92
60.74	0.058	60.68	0.176	60.30	0.743	60.33	1.777	60.34	4.379	61.24	25.65

60.83	0.057	60.79	0.172	60.40	0.738	60.43	1.765	60.43	4.348	61.33	25.34
60.94	0.065	60.88	0.172	60.49	0.732	60.53	1.757	60.51	4.315	61.41	25.14
61.03	0.057	60.97	0.172	60.60	0.729	60.63	1.742	60.63	4.283	61.51	24.95
61.11	0.051	61.05	0.174	60.69	0.725	60.70	1.732	60.72	4.243	61.59	24.77
61.21	0.058	61.16	0.170	60.78	0.720	60.81	1.720	60.81	4.208	61.69	24.46
61.31	0.057	61.26	0.168	60.87	0.716	60.91	1.702	60.90	4.191	61.79	24.32
61.42	0.063	61.35	0.170	61.00	0.713	61.01	1.707	60.97	4.158	61.88	24.06
61.50	0.060	61.44	0.167	61.08	0.711	61.08	1.688	61.09	4.131	61.99	23.78
61.60	0.065	61.54	0.165	61.18	0.707	61.19	1.672	61.15	4.105	62.07	23.55
61.72	0.060	61.63	0.164	61.28	0.703	61.28	1.662	61.28	4.072	62.18	23.41
61.79	0.057	61.74	0.167	61.36	0.695	61.38	1.654	61.36	4.044	62.27	23.15
61.89	0.058	61.83	0.164	61.44	0.695	61.47	1.644	61.46	4.007	62.36	23.11
61.98	0.055	61.92	0.167	61.54	0.689	61.56	1.640	61.54	3.986	62.46	22.65
62.10	0.062	62.02	0.162	61.65	0.683	61.66	1.621	61.65	3.964	62.56	22.59
62.17	0.056	62.12	0.166	61.73	0.682	61.74	1.609	61.75	3.928	62.66	22.40
62.28	0.059	62.21	0.165	61.82	0.677	61.84	1.600	61.83	3.903	62.74	22.17
62.36	0.062	62.32	0.164	61.92	0.670	61.95	1.591	61.93	3.866	62.86	22.06
62.46	0.055	62.40	0.161	62.02	0.669	62.04	1.583	62.01	3.846	62.96	21.80
62.56	0.057	62.51	0.164	62.11	0.663	62.13	1.563	62.12	3.825	63.05	21.68
62.64	0.062	62.60	0.160	62.21	0.662	62.22	1.563	62.21	3.793	63.15	21.34
62.74	0.050	62.70	0.162	62.31	0.655	62.32	1.550	62.30	3.759	63.24	21.28
62.85	0.053	62.79	0.159	62.40	0.653	62.41	1.538	62.39	3.741	63.33	21.00
62.93	0.060	62.89	0.159	62.49	0.650	62.50	1.530	62.48	3.716	63.43	20.78
63.04	0.060	62.98	0.159	62.59	0.646	62.62	1.518	62.61	3.690	63.52	20.69
63.12	0.061	63.08	0.155	62.68	0.645	62.70	1.513	62.68	3.666	63.62	20.50
63.22	0.057	63.16	0.158	62.77	0.644	62.81	1.503	62.78	3.628	63.73	20.26
63.30	0.056	63.27	0.163	62.87	0.635	62.89	1.491	62.88	3.608	63.80	20.19
63.42	0.061	63.36	0.154	62.96	0.633	62.99	1.481	62.96	3.586	63.93	20.02
63.51	0.062	63.47	0.151	63.07	0.628	63.08	1.475	63.05	3.562	64.00	19.74
63.61	0.061	63.55	0.156	63.15	0.626	63.16	1.463	63.15	3.539	64.12	19.57
63.71	0.060	63.64	0.158	63.26	0.620	63.26	1.449	63.24	3.506	64.20	19.45
63.81	0.050	63.75	0.151	63.32	0.618	63.36	1.441	63.34	3.488	64.31	19.32
63.89	0.066	63.83	0.153	63.44	0.612	63.45	1.437	63.44	3.455	64.40	19.09
63.99	0.055	63.94	0.157	63.54	0.611	63.56	1.428	63.54	3.436	64.49	18.90
64.08	0.051	64.04	0.147	63.62	0.607	63.65	1.420	63.60	3.418	64.59	18.74
64.17	0.052	64.14	0.155	63.73	0.605	63.75	1.408	63.74	3.391	64.69	18.66
64.26	0.056	64.24	0.152	63.81	0.604	63.85	1.400	63.82	3.360	64.79	18.53
64.37	0.059	64.32	0.153	63.91	0.598	63.94	1.388	63.91	3.349	64.87	18.27
64.45	0.055	64.43	0.149	64.01	0.596	64.03	1.386	64.01	3.323	64.95	18.16
64.55	0.057	64.51	0.148	64.10	0.590	64.14	1.368	64.11	3.295	65.08	17.98
64.66	0.062	64.61	0.151	64.20	0.588	64.22	1.367	64.19	3.273	65.16	17.82
64.77	0.059	64.71	0.146	64.30	0.585	64.31	1.361	64.28	3.252	65.26	17.71

64.85	0.054	64.79	0.145	64.38	0.583	64.42	1.348	64.38	3.230	65.36	17.47
64.96	0.053	64.90	0.147	64.50	0.578	64.49	1.339	64.47	3.213	65.45	17.32
65.05	0.062	64.98	0.149	64.58	0.574	64.60	1.331	64.56	3.188	65.55	17.20
65.15	0.061	65.09	0.150	64.68	0.572	64.68	1.324	64.67	3.163	65.64	17.04
65.23	0.060	65.18	0.142	64.78	0.568	64.79	1.317	64.76	3.142	65.74	16.95
65.34	0.054	65.29	0.146	64.86	0.564	64.87	1.304	64.85	3.129	65.83	16.85
65.44	0.057	65.38	0.146	64.97	0.557	64.96	1.300	64.96	3.097	65.93	16.65
65.53	0.050	65.49	0.145	65.06	0.558	65.07	1.294	65.05	3.073	66.03	16.47
65.61	0.060	65.58	0.148	65.16	0.557	65.15	1.281	65.13	3.052	66.12	16.37
65.72	0.064	65.67	0.144	65.24	0.551	65.26	1.274	65.23	3.034	66.22	16.33
65.80	0.057	65.76	0.143	65.34	0.551	65.34	1.269	65.32	3.018	66.30	16.10
65.91	0.052	65.86	0.142	65.43	0.547	65.44	1.259	65.42	2.989	66.43	15.90
66.00	0.051	65.95	0.140	65.54	0.543	65.52	1.252	65.51	2.973	66.51	15.86
66.12	0.049	66.05	0.143	65.61	0.542	65.61	1.246	65.61	2.955	66.60	15.73
66.19	0.055	66.16	0.140	65.71	0.536	65.73	1.237	65.70	2.929	66.70	15.57
66.29	0.051	66.25	0.137	65.82	0.532	65.82	1.232	65.80	2.902	66.80	15.45
66.38	0.056	66.33	0.142	65.90	0.533	65.91	1.220	65.90	2.892	66.89	15.33
66.48	0.063	66.43	0.136	65.99	0.533	66.00	1.213	66.00	2.867	66.98	15.20
66.59	0.047	66.54	0.140	66.09	0.525	66.09	1.207	66.08	2.849	67.09	15.07
66.67	0.057	66.63	0.138	66.18	0.523	66.20	1.200	66.19	2.832	67.17	14.90
66.78	0.047	66.73	0.134	66.29	0.517	66.28	1.194	66.27	2.814	67.26	14.82
66.86	0.054	66.81	0.138	66.39	0.520	66.39	1.185	66.37	2.801	67.36	14.69
66.98	0.060	66.92	0.134	66.46	0.511	66.48	1.177	66.45	2.777	67.46	14.59
67.07	0.049	67.01	0.136	66.57	0.509	66.58	1.172	66.55	2.757	67.56	14.47
67.16	0.054	67.11	0.135	66.66	0.510	66.67	1.166	66.64	2.738	67.65	14.37
67.26	0.054	67.21	0.136	66.75	0.506	66.76	1.153	66.72	2.723	67.74	14.26
67.34	0.063	67.30	0.136	66.84	0.501	66.86	1.143	66.84	2.701	67.84	14.14
67.45	0.049	67.37	0.135	66.96	0.501	66.95	1.142	66.92	2.696	67.94	14.05
67.53	0.060	67.49	0.129	67.05	0.501	67.05	1.134	67.02	2.666	68.03	13.91
67.64	0.062	67.58	0.135	67.14	0.491	67.13	1.126	67.12	2.652	68.12	13.73
67.74	0.054	67.67	0.132	67.24	0.490	67.21	1.120	67.19	2.636	68.23	13.63
67.83	0.045	67.77	0.126	67.32	0.491	67.31	1.115	67.30	2.617	68.33	13.54
67.91	0.059	67.87	0.129	67.41	0.487	67.40	1.103	67.39	2.607	68.42	13.42
68.02	0.059	67.95	0.131	67.53	0.493	67.50	1.101	67.48	2.583	68.53	13.29
68.12	0.045	68.06	0.129	67.61	0.481	67.61	1.099	67.57	2.564	68.60	13.25
68.22	0.061	68.15	0.129	67.72	0.480	67.70	1.088	67.66	2.549	68.70	13.08
68.32	0.054	68.25	0.134	67.81	0.477	67.78	1.088	67.76	2.525	68.80	12.99
68.41	0.054	68.34	0.128	67.91	0.478	67.87	1.075	67.87	2.511	68.90	12.94
68.51	0.050	68.44	0.127	68.01	0.473	67.97	1.071	67.95	2.495	68.98	12.79
68.59	0.055	68.53	0.131	68.10	0.472	68.07	1.062	68.04	2.483	69.08	12.72
68.68	0.054	68.64	0.127	68.19	0.465	68.17	1.058	68.14	2.461	69.17	12.54
68.78	0.054	68.73	0.130	68.29	0.463	68.25	1.052	68.23	2.449	69.27	12.50

68.87	0.054	68.82	0.133	68.38	0.462	68.35	1.044	68.32	2.436	69.36	12.34
68.97	0.058	68.90	0.130	68.47	0.457	68.45	1.041	68.43	2.413	69.46	12.29
69.07	0.058	68.99	0.125	68.57	0.454	68.53	1.029	68.52	2.401	69.56	12.21
69.17	0.051	69.09	0.124	68.65	0.458	68.65	1.026	68.62	2.386	69.64	12.08
69.26	0.056	69.19	0.126	68.76	0.452	68.71	1.022	68.73	2.376	69.75	11.97
69.35	0.056	69.28	0.122	68.85	0.448	68.81	1.013	68.79	2.355	69.86	11.88
69.45	0.052	69.36	0.119	68.94	0.451	68.92	1.007	68.91	2.335	69.95	11.81
69.56	0.057	69.47	0.122	69.06	0.445	69.00	1.005	68.99	2.323	70.04	11.69
69.62	0.055	69.56	0.121	69.13	0.439	69.10	1.000	69.08	2.312	70.14	11.60
69.73	0.050	69.66	0.121	69.24	0.443	69.21	0.989	69.19	2.298	70.23	11.56
69.82	0.056	69.77	0.123	69.34	0.440	69.28	0.984	69.27	2.277	70.34	11.39
69.91	0.042	69.86	0.124	69.44	0.433	69.37	0.978	69.37	2.272	70.42	11.29
70.01	0.051	69.95	0.122	69.53	0.432	69.47	0.981	69.47	2.245	70.51	11.23
70.12	0.057	70.04	0.119	69.62	0.432	69.56	0.969	69.56	2.238	70.61	11.13
70.21	0.052	70.14	0.123	69.72	0.431	69.68	0.964	69.66	2.216	70.71	11.05
70.30	0.052	70.25	0.119	69.79	0.430	69.76	0.956	69.74	2.208	70.82	10.95
70.40	0.053	70.33	0.112	69.91	0.424	69.85	0.951	69.83	2.187	70.89	10.89
70.48	0.048	70.44	0.120	69.98	0.420	69.96	0.942	69.95	2.174	71.00	10.81
70.59	0.057	70.53	0.121	70.08	0.424	70.04	0.939	70.03	2.157	71.10	10.73
70.67	0.057	70.63	0.121	70.18	0.418	70.14	0.938	70.15	2.147	71.20	10.66
70.78	0.054	70.73	0.118	70.26	0.417	70.24	0.926	70.22	2.134	71.29	10.56
70.87	0.046	70.81	0.121	70.37	0.412	70.33	0.923	70.32	2.121	71.40	10.47
70.96	0.042	70.90	0.111	70.48	0.408	70.41	0.917	70.42	2.099	71.48	10.35
71.07	0.051	71.00	0.118	70.55	0.409	70.51	0.910	70.51	2.095	71.59	10.30
71.18	0.059	71.07	0.116	70.66	0.408	70.62	0.909	70.60	2.081	71.68	10.23
71.27	0.047	71.19	0.122	70.77	0.407	70.70	0.900	70.72	2.064	71.77	10.14
71.35	0.047	71.27	0.116	70.85	0.403	70.80	0.895	70.80	2.052	71.85	10.01
71.45	0.059	71.37	0.114	70.94	0.400	70.90	0.896	70.90	2.041	71.97	9.96
71.56	0.055	71.48	0.114	71.05	0.398	70.99	0.886	70.99	2.033	72.05	9.88
71.66	0.054	71.57	0.122	71.13	0.399	71.08	0.881	71.10	2.012	72.17	9.84
71.75	0.049	71.68	0.114	71.23	0.394	71.17	0.876	71.18	1.997	72.25	9.77
71.83	0.048	71.76	0.115	71.33	0.395	71.28	0.871	71.28	1.986	72.34	9.71
71.94	0.053	71.85	0.112	71.43	0.390	71.35	0.864	71.37	1.978	72.45	9.60
72.03	0.051	71.96	0.113	71.53	0.387	71.44	0.863	71.47	1.960	72.54	9.51
72.12	0.053	72.05	0.117	71.61	0.385	71.53	0.852	71.57	1.948	72.64	9.45
72.22	0.050	72.14	0.116	71.71	0.388	71.65	0.855	71.66	1.935	72.74	9.37
72.32	0.050	72.24	0.114	71.80	0.379	71.73	0.854	71.75	1.925	72.83	9.31
72.41	0.050	72.33	0.114	71.89	0.379	71.82	0.846	71.84	1.909	72.92	9.26
72.50	0.046	72.45	0.116	71.99	0.376	71.92	0.838	71.93	1.899	73.03	9.11
72.61	0.045	72.51	0.108	72.09	0.375	72.01	0.832	72.04	1.888	73.12	9.06
72.71	0.058	72.62	0.111	72.17	0.371	72.11	0.825	72.13	1.874	73.22	9.01
72.80	0.059	72.70	0.110	72.27	0.376	72.21	0.827	72.23	1.870	73.30	8.92

72.89	0.049	72.81	0.113	72.37	0.371	72.30	0.820	72.31	1.856	73.41	8.85
72.99	0.053	72.91	0.112	72.45	0.371	72.38	0.813	72.42	1.840	73.49	8.83
73.09	0.048	72.99	0.107	72.55	0.365	72.48	0.810	72.50	1.830	73.59	8.73
73.18	0.060	73.10	0.114	72.66	0.365	72.56	0.803	72.60	1.821	73.70	8.66
73.28	0.054	73.19	0.100	72.75	0.368	72.67	0.802	72.71	1.806	73.78	8.62
73.39	0.054	73.29	0.109	72.84	0.360	72.76	0.800	72.77	1.794	73.89	8.55
73.48	0.043	73.37	0.112	72.94	0.358	72.85	0.790	72.88	1.785	73.98	8.52
73.58	0.052	73.48	0.109	73.03	0.358	72.93	0.788	72.98	1.769	74.07	8.42
73.66	0.046	73.57	0.109	73.12	0.356	73.03	0.783	73.07	1.756	74.17	8.34
73.78	0.048	73.67	0.111	73.23	0.355	73.13	0.784	73.17	1.749	74.26	8.30
73.87	0.052	73.76	0.112	73.30	0.356	73.22	0.776	73.25	1.740	74.35	8.21
73.96	0.056	73.88	0.110	73.39	0.355	73.32	0.773	73.37	1.725	74.46	8.15
74.03	0.055	73.98	0.103	73.49	0.348	73.41	0.768	73.44	1.717	74.56	8.11
74.15	0.056	74.06	0.109	73.60	0.354	73.50	0.763	73.54	1.705	74.66	8.01
74.24	0.052	74.15	0.110	73.68	0.346	73.60	0.756	73.65	1.700	74.77	7.95
74.34	0.048	74.25	0.105	73.78	0.347	73.69	0.758	73.75	1.685	74.85	7.93
74.43	0.046	74.34	0.107	73.87	0.340	73.77	0.751	73.84	1.677	74.96	7.87
74.52	0.044	74.44	0.106	73.98	0.345	73.88	0.745	73.92	1.665	75.03	7.80
74.62	0.047	74.52	0.102	74.06	0.341	73.98	0.746	74.03	1.657	75.15	7.74
74.72	0.059	74.62	0.104	74.17	0.340	74.07	0.744	74.11	1.645	75.24	7.66
74.81	0.059	74.73	0.102	74.26	0.340	74.16	0.737	74.21	1.633	75.33	7.61
74.89	0.054	74.82	0.105	74.36	0.342	74.26	0.731	74.31	1.626	75.43	7.57
74.99	0.048	74.93	0.103	74.44	0.335	74.35	0.725	74.39	1.616	75.52	7.50
75.09	0.042	75.01	0.099	74.53	0.334	74.46	0.721	74.50	1.607	75.63	7.45
75.20	0.050	75.12	0.112	74.64	0.331	74.56	0.718	74.57	1.599	75.72	7.39
75.28	0.053	75.20	0.102	74.72	0.329	74.64	0.713	74.69	1.588	75.80	7.35
75.39	0.051	75.31	0.103	74.82	0.329	74.73	0.711	74.77	1.578	75.89	7.26
75.48	0.050	75.39	0.102	74.93	0.323	74.84	0.705	74.86	1.570	75.99	7.24
75.59	0.054	75.49	0.104	75.02	0.321	74.92	0.700	74.97	1.560	76.09	7.18
75.66	0.052	75.60	0.099	75.11	0.323	75.02	0.698	75.06	1.543	76.21	7.12
75.77	0.047	75.69	0.101	75.22	0.325	75.11	0.694	75.15	1.539	76.28	7.08
75.87	0.041	75.79	0.102	75.30	0.316	75.21	0.690	75.24	1.529	76.38	7.00
75.96	0.055	75.87	0.098	75.40	0.315	75.31	0.690	75.33	1.527	76.48	6.98
76.06	0.047	75.96	0.103	75.48	0.315	75.40	0.683	75.43	1.511	76.58	6.89
76.15	0.049	76.06	0.101	75.59	0.316	75.48	0.680	75.51	1.503	76.68	6.85
76.26	0.050	76.17	0.097	75.68	0.314	75.58	0.674	75.61	1.493	76.77	6.77
76.35	0.054	76.26	0.098	75.79	0.310	75.67	0.670	75.72	1.480	76.87	6.78
76.44	0.041	76.37	0.098	75.85	0.311	75.77	0.667	75.81	1.474	76.97	6.71
76.54	0.044	76.45	0.095	75.96	0.311	75.87	0.664	75.90	1.462	77.05	6.68
76.64	0.047	76.55	0.096	76.05	0.309	75.96	0.661	75.99	1.459	77.15	6.60
76.73	0.044	76.66	0.092	76.15	0.311	76.06	0.660	76.09	1.450	77.26	6.55
76.83	0.054	76.74	0.100	76.24	0.306	76.14	0.655	76.19	1.440	77.35	6.50

76.93	0.052	76.84	0.099	76.34	0.301	76.23	0.648	76.28	1.431	77.45	6.46
77.02	0.049	76.94	0.099	76.43	0.303	76.33	0.647	76.37	1.423	77.55	6.40
77.11	0.041	77.02	0.094	76.54	0.302	76.44	0.643	76.46	1.414	77.64	6.38
77.20	0.060	77.11	0.100	76.63	0.299	76.53	0.637	76.56	1.404	77.74	6.33
77.30	0.049	77.21	0.098	76.72	0.298	76.63	0.637	76.65	1.399	77.85	6.28
77.39	0.047	77.31	0.093	76.82	0.296	76.72	0.634	76.75	1.384	77.92	6.24
77.50	0.045	77.40	0.093	76.91	0.293	76.80	0.630	76.85	1.378	78.02	6.19
77.58	0.047	77.49	0.099	77.00	0.293	76.90	0.628	76.93	1.372	78.12	6.13
77.69	0.046	77.60	0.099	77.10	0.292	77.00	0.622	77.03	1.364	78.22	6.10
77.78	0.045	77.69	0.093	77.21	0.289	77.10	0.617	77.11	1.352	78.32	6.05
77.89	0.042	77.78	0.098	77.28	0.289	77.20	0.616	77.21	1.345	78.41	6.02
77.98	0.050	77.87	0.089	77.39	0.288	77.29	0.615	77.32	1.343	78.52	5.97
78.08	0.050	77.96	0.096	77.49	0.284	77.39	0.609	77.39	1.334	78.60	5.94
78.17	0.055	78.08	0.091	77.56	0.287	77.49	0.608	77.50	1.327	78.71	5.88
78.25	0.046	78.16	0.095	77.66	0.287	77.57	0.604	77.59	1.314	78.79	5.83
78.36	0.044	78.28	0.095	77.77	0.283	77.67	0.599	77.68	1.311	78.87	5.79
78.46	0.042	78.36	0.096	77.85	0.277	77.78	0.600	77.79	1.303	78.98	5.75
78.55	0.049	78.47	0.094	77.94	0.278	77.86	0.592	77.88	1.292	79.08	5.71
78.65	0.045	78.56	0.100	78.04	0.275	77.96	0.589	77.99	1.283	79.18	5.67
78.73	0.045	78.65	0.087	78.14	0.278	78.05	0.590	78.07	1.278	79.28	5.64
78.84	0.045	78.74	0.096	78.24	0.277	78.14	0.582	78.17	1.270	79.36	5.61
78.93	0.045	78.84	0.087	78.32	0.272	78.25	0.581	78.25	1.263	79.47	5.57
79.02	0.048	78.93	0.093	78.42	0.272	78.34	0.577	78.35	1.254	79.55	5.54
79.12	0.045	79.03	0.094	78.52	0.273	78.42	0.575	78.45	1.251	79.67	5.48
79.22	0.052	79.13	0.091	78.61	0.269	78.52	0.570	78.54	1.243	79.75	5.46
79.31	0.047	79.22	0.092	78.71	0.266	78.61	0.569	78.64	1.230	79.86	5.38
79.42	0.048	79.32	0.088	78.80	0.271	78.71	0.567	78.72	1.229	79.93	5.34
79.52	0.054	79.41	0.089	78.90	0.267	78.81	0.564	78.83	1.215	80.04	5.33
79.60	0.042	79.50	0.093	78.99	0.267	78.88	0.561	78.92	1.217	80.12	5.29
79.70	0.051	79.58	0.099	79.09	0.266	78.98	0.556	79.02	1.202	80.13	5.28
79.80	0.053	79.69	0.087	79.18	0.263	79.08	0.554	79.12	1.194	80.18	5.29
79.89	0.050	79.79	0.091	79.28	0.262	79.18	0.554	79.20	1.190	80.20	5.28
79.99	0.046	79.90	0.093	79.37	0.259	79.26	0.548	79.31	1.182	80.21	5.30
80.08	0.048	79.99	0.093	79.45	0.261	79.36	0.548	79.40	1.174	80.20	5.27
80.13	0.053	80.07	0.090	79.55	0.258	79.45	0.543	79.50	1.171	80.18	5.30
80.19	0.047	80.16	0.093	79.66	0.259	79.56	0.540	79.58	1.164	80.18	5.30
80.21	0.056	80.18	0.083	79.73	0.256	79.65	0.538	79.70	1.160	80.14	5.30
80.22	0.049	80.21	0.090	79.82	0.254	79.74	0.539	79.78	1.150	80.13	5.33
80.23	0.054	80.25	0.089	79.93	0.256	79.83	0.535	79.86	1.138	80.11	5.32
80.23	0.047	80.25	0.088	80.02	0.252	79.94	0.531	79.96	1.136	80.09	5.35
80.24	0.049	80.25	0.090	80.10	0.248	80.02	0.527	80.06	1.129	80.07	5.36
80.21	0.055	80.23	0.093	80.16	0.248	80.11	0.528	80.13	1.126	80.05	5.35

80.19	0.048	80.21	0.090	80.20	0.254	80.15	0.525	80.18	1.128	80.02	5.36
80.18	0.051	80.19	0.089	80.22	0.250	80.19	0.526	80.21	1.127	80.01	5.36
80.15	0.051	80.18	0.087	80.24	0.253	80.21	0.527	80.24	1.125	79.99	5.36
80.12	0.052	80.15	0.087	80.24	0.252	80.23	0.529	80.24	1.124	79.99	5.37
80.11	0.040	80.13	0.091	80.23	0.252	80.25	0.524	80.24	1.124	80.00	5.36
80.07	0.051	80.09	0.089	80.23	0.254	80.23	0.527	80.24	1.123	79.99	5.39
80.06	0.045	80.07	0.090	80.20	0.255	80.23	0.525	80.23	1.128	79.96	5.38
80.04	0.048	80.04	0.091	80.21	0.252	80.21	0.528	80.21	1.131	79.98	5.37
80.01	0.048	80.04	0.092	80.16	0.253	80.18	0.529	80.21	1.131	79.99	5.36
80.01	0.061	80.03	0.091	80.17	0.253	80.18	0.525	80.18	1.134	79.99	5.36
79.98	0.047	80.00	0.094	80.15	0.252	80.15	0.527	80.16	1.134	79.97	5.38
79.98	0.047	79.99	0.089	80.11	0.257	80.13	0.530	80.12	1.135	79.99	5.37
79.99	0.047	79.98	0.093	80.08	0.256	80.10	0.530	80.10	1.138	79.98	5.36
79.98	0.057	79.98	0.086	80.05	0.256	80.09	0.534	80.08	1.143	80.00	5.37
79.97	0.045	79.97	0.090	80.05	0.256	80.08	0.534	80.05	1.135	79.99	5.37
79.97	0.050	79.97	0.087	80.01	0.256	80.03	0.536	80.04	1.144	80.00	5.38
79.97	0.050	79.97	0.087	80.01	0.258	80.03	0.532	80.02	1.145	80.00	5.37
79.97	0.047	79.95	0.091	80.00	0.257	80.02	0.533	80.00	1.147	80.00	5.38
79.97	0.056	79.96	0.088	79.97	0.257	80.00	0.530	79.99	1.150	79.99	5.37
79.99	0.049	79.98	0.088	79.99	0.255	79.99	0.535	79.98	1.151	80.00	5.38
80.00	0.051	79.97	0.092	79.96	0.257	79.98	0.537	79.97	1.154	79.99	5.36
79.99	0.049	79.98	0.086	79.96	0.253	79.98	0.537	79.97	1.149	80.01	5.38
80.00	0.052	79.99	0.095	79.96	0.256	79.98	0.532	79.97	1.151	80.01	5.38
80.00	0.046	79.98	0.094	79.97	0.256	79.98	0.536	79.98	1.153	80.01	5.38
80.00	0.053	79.99	0.089	79.96	0.255	79.96	0.534	79.96	1.150	80.00	5.39
79.99	0.047	79.99	0.091	79.98	0.254	79.97	0.541	79.97	1.147	80.00	5.37
80.00	0.050	79.99	0.090	79.97	0.254	79.97	0.541	79.98	1.150	80.00	5.39
80.01	0.048	80.00	0.095	79.98	0.257	79.98	0.539	79.97	1.151	80.00	5.37
80.00	0.051	80.00	0.088	79.97	0.254	79.97	0.534	79.98	1.153	80.00	5.39
80.00	0.041	80.01	0.092	79.98	0.258	79.97	0.536	79.99	1.148	80.02	5.38
80.01	0.040	80.00	0.092	79.98	0.252	79.99	0.535	79.98	1.148	80.01	5.39
80.01	0.050	80.02	0.090	80.00	0.257	79.97	0.536	79.98	1.152	80.01	5.39
80.01	0.052	80.01	0.096	80.00	0.256	79.99	0.533	80.00	1.148	80.00	5.40
80.02	0.051	80.01	0.088	80.01	0.255	79.99	0.537	80.00	1.149	80.01	5.38
80.01	0.048	80.00	0.090	80.00	0.255	79.99	0.538	80.01	1.149	80.01	5.38
80.02	0.053	80.01	0.087	80.01	0.255	80.00	0.534	80.00	1.154	80.00	5.40
80.01	0.049	80.01	0.093	80.00	0.256	80.00	0.535	79.99	1.143	80.00	5.39
80.01	0.046	80.01	0.093	80.02	0.256	80.01	0.540	80.00	1.149	80.01	5.38
80.01	0.053	80.01	0.089	80.00	0.253	80.00	0.535	80.01	1.147		
80.01	0.048	80.00	0.088	80.02	0.257	80.01	0.535	80.00	1.147		
80.00	0.047	80.02	0.086	80.01	0.254	80.00	0.537	80.00	1.147		
80.00	0.049	80.01	0.091	80.01	0.257	80.01	0.540	80.02	1.145		

80.00	0.049	80.01	0.088	80.02	0.256	80.00	0.538	80.01	1.149
80.00	0.058	80.03	0.092	80.01	0.259	80.01	0.538	80.01	1.149
		80.01	0.088	80.01	0.254	80.01	0.538	80.01	1.150
				80.02	0.260	80.02	0.537	80.01	1.147
				80.00	0.259	80.02	0.535	80.02	1.149
				80.00	0.253	79.99	0.536	80.01	1.152
				80.01	0.255	80.00	0.535	80.02	1.148
				80.01	0.253	80.01	0.536	80.01	1.150
				80.01	0.256	80.00	0.534	80.01	1.146
						80.00	0.541	80.02	1.147

Table S13. Complex viscosity (Pa·s) vs. temperature (°C) raw data for G4 samples 1:1 through to 1:3.

1:1		1:1.25		1:1.5		1:1.75		1:2		1:2.5		1:3	
Temp	η^*	Temp	η^*	Temp	η^*	Temp	η^*	Temp	η^*	Temp	η^*	Temp	η^*
25.46	0.181	24.99	0.236	25.01	0.859	25.01	2.165	25.30	3.661	25.44	29.108	25.05	64.431
25.50	0.181	25.04	0.237	25.02	0.858	25.05	2.151	25.35	3.644	25.45	29.242	25.09	64.676
25.53	0.180	25.08	0.231	25.05	0.856	25.11	2.133	25.37	3.648	25.45	29.365	25.15	64.593
25.55	0.176	25.15	0.232	25.11	0.850	25.19	2.122	25.40	3.649	25.46	29.441	25.23	64.710
25.59	0.178	25.21	0.231	25.17	0.852	25.26	2.103	25.43	3.630	25.45	29.450	25.30	64.472
25.61	0.179	25.31	0.231	25.26	0.836	25.36	2.076	25.48	3.612	25.46	29.546	25.41	64.234
25.63	0.175	25.40	0.230	25.37	0.836	25.45	2.059	25.53	3.595	25.48	29.522	25.54	63.777
25.67	0.176	25.53	0.233	25.46	0.827	25.55	2.039	25.60	3.570	25.52	29.387	25.63	63.418
25.72	0.180	25.62	0.226	25.57	0.816	25.67	2.015	25.68	3.548	25.60	29.237	25.77	62.987
25.79	0.178	25.74	0.225	25.69	0.814	25.80	1.998	25.76	3.513	25.68	28.971	25.89	62.624
25.86	0.175	25.85	0.221	25.81	0.805	25.90	1.977	25.85	3.474	25.77	28.673	25.99	61.999
25.94	0.176	25.97	0.219	25.95	0.793	26.01	1.949	25.95	3.448	25.87	28.446	26.13	61.469
26.04	0.173	26.10	0.217	26.08	0.785	26.13	1.936	26.06	3.415	25.97	28.099	26.24	61.061
26.13	0.174	26.21	0.221	26.20	0.773	26.23	1.910	26.17	3.369	26.08	27.809	26.38	60.435
26.24	0.168	26.35	0.214	26.32	0.773	26.34	1.893	26.26	3.350	26.20	27.425	26.48	60.125
26.33	0.168	26.44	0.217	26.45	0.765	26.46	1.875	26.38	3.310	26.32	27.052	26.62	59.737
26.46	0.167	26.58	0.214	26.54	0.756	26.57	1.856	26.51	3.275	26.44	26.671	26.71	59.434
26.55	0.172	26.70	0.212	26.67	0.750	26.67	1.839	26.62	3.247	26.56	26.258	26.82	58.915
26.66	0.168	26.80	0.216	26.78	0.746	26.78	1.816	26.73	3.214	26.69	25.841	26.92	58.695
26.78	0.165	26.92	0.210	26.91	0.737	26.87	1.809	26.83	3.187	26.82	25.532	27.03	58.386
26.89	0.167	27.03	0.208	27.00	0.733	26.96	1.790	26.95	3.148	26.93	25.242	27.13	57.890
26.99	0.163	27.13	0.208	27.11	0.733	27.06	1.773	27.07	3.121	27.04	24.842	27.25	57.666
27.11	0.162	27.22	0.205	27.19	0.722	27.16	1.761	27.18	3.089	27.16	24.605	27.33	57.172
27.20	0.163	27.33	0.205	27.29	0.715	27.24	1.740	27.27	3.064	27.28	24.258	27.42	56.690
27.32	0.161	27.43	0.201	27.40	0.710	27.34	1.722	27.40	3.033	27.40	24.062	27.52	56.511
27.42	0.162	27.53	0.194	27.49	0.700	27.44	1.711	27.49	3.003	27.50	23.790	27.62	56.162
27.52	0.160	27.63	0.200	27.58	0.701	27.52	1.699	27.59	2.979	27.61	23.512	27.70	55.657
27.63	0.158	27.73	0.198	27.68	0.693	27.62	1.685	27.69	2.952	27.71	23.362	27.80	55.105

27.73	0.158	27.83	0.199	27.77	0.693	27.72	1.672	27.79	2.923	27.82	23.104	27.90	54.969
27.82	0.153	27.91	0.202	27.86	0.684	27.80	1.657	27.89	2.893	27.90	22.792	27.99	54.605
27.92	0.158	27.99	0.195	27.95	0.684	27.89	1.645	27.98	2.878	28.01	22.577	28.07	54.032
28.03	0.154	28.09	0.195	28.03	0.679	27.98	1.630	28.07	2.853	28.09	22.416	28.17	53.679
28.11	0.148	28.18	0.195	28.11	0.669	28.07	1.613	28.17	2.835	28.19	22.213	28.26	53.294
28.21	0.154	28.27	0.195	28.21	0.665	28.17	1.601	28.26	2.804	28.28	21.954	28.35	53.134
28.31	0.149	28.36	0.191	28.31	0.670	28.28	1.587	28.35	2.786	28.38	21.736	28.45	52.875
28.40	0.153	28.46	0.193	28.38	0.664	28.36	1.580	28.45	2.761	28.46	21.451	28.54	52.597
28.49	0.149	28.57	0.189	28.50	0.650	28.45	1.559	28.56	2.743	28.54	21.320	28.64	52.398
28.59	0.152	28.66	0.190	28.58	0.645	28.56	1.546	28.64	2.716	28.66	21.047	28.73	51.775
28.68	0.150	28.75	0.187	28.67	0.644	28.66	1.536	28.73	2.688	28.76	20.750	28.84	51.685
28.77	0.149	28.85	0.184	28.76	0.641	28.74	1.524	28.83	2.667	28.84	20.639	28.93	51.389
28.87	0.147	28.94	0.186	28.87	0.637	28.82	1.509	28.93	2.657	28.94	20.368	29.04	51.117
28.95	0.144	29.03	0.186	28.95	0.625	28.93	1.496	29.02	2.626	29.03	20.223	29.12	50.854
29.04	0.143	29.12	0.182	29.05	0.619	29.02	1.487	29.12	2.606	29.12	20.049	29.23	50.244
29.15	0.144	29.23	0.184	29.14	0.620	29.09	1.471	29.21	2.579	29.21	19.904	29.31	49.971
29.23	0.144	29.32	0.182	29.23	0.617	29.20	1.458	29.30	2.567	29.31	19.758	29.41	49.408
29.34	0.148	29.42	0.181	29.33	0.612	29.29	1.445	29.39	2.538	29.40	19.531	29.51	49.024
29.41	0.138	29.50	0.182	29.42	0.616	29.39	1.435	29.51	2.513	29.48	19.376	29.61	48.482
29.52	0.139	29.61	0.180	29.53	0.601	29.49	1.419	29.60	2.493	29.60	19.195	29.72	48.288
29.61	0.145	29.70	0.178	29.60	0.593	29.59	1.412	29.70	2.478	29.70	18.999	29.80	47.744
29.70	0.141	29.80	0.172	29.71	0.597	29.68	1.400	29.79	2.461	29.78	18.835	29.91	47.469
29.78	0.142	29.89	0.171	29.80	0.594	29.77	1.387	29.90	2.437	29.87	18.722	29.99	47.039
29.87	0.144	30.00	0.175	29.89	0.580	29.85	1.378	29.99	2.413	29.97	18.478	30.08	46.850
29.97	0.141	30.10	0.170	29.99	0.586	29.97	1.367	30.09	2.394	30.06	18.278	30.18	46.298
30.07	0.137	30.22	0.173	30.08	0.585	30.06	1.352	30.18	2.376	30.17	18.045	30.27	46.016
30.18	0.140	30.28	0.172	30.17	0.570	30.14	1.347	30.27	2.359	30.27	17.792	30.37	45.519
30.26	0.141	30.38	0.174	30.28	0.568	30.24	1.329	30.38	2.338	30.37	17.635	30.46	45.303
30.36	0.134	30.49	0.172	30.36	0.566	30.32	1.320	30.46	2.320	30.46	17.439	30.55	44.761
30.45	0.137	30.58	0.169	30.47	0.569	30.44	1.313	30.57	2.302	30.56	17.294	30.67	44.482
30.53	0.140	30.69	0.168	30.56	0.559	30.53	1.301	30.66	2.286	30.65	17.126	30.75	44.054
30.64	0.135	30.77	0.168	30.63	0.550	30.63	1.286	30.77	2.266	30.76	16.892	30.86	43.509
30.73	0.137	30.87	0.162	30.73	0.554	30.72	1.280	30.86	2.241	30.85	16.756	30.95	43.169
30.83	0.133	30.98	0.162	30.84	0.541	30.83	1.267	30.96	2.229	30.95	16.618	31.04	42.683
30.93	0.133	31.06	0.168	30.93	0.549	30.92	1.258	31.05	2.206	31.04	16.421	31.14	42.103
31.02	0.134	31.15	0.163	31.01	0.537	31.01	1.249	31.13	2.189	31.13	16.247	31.24	41.932
31.11	0.132	31.27	0.163	31.12	0.540	31.09	1.244	31.24	2.168	31.23	16.079	31.33	41.692
31.20	0.128	31.35	0.160	31.21	0.538	31.20	1.230	31.33	2.153	31.33	15.927	31.45	41.259
31.30	0.132	31.45	0.158	31.32	0.527	31.28	1.222	31.43	2.141	31.42	15.713	31.53	41.168
31.39	0.131	31.53	0.156	31.41	0.526	31.38	1.208	31.54	2.119	31.52	15.625	31.64	40.857
31.48	0.127	31.64	0.161	31.50	0.522	31.48	1.197	31.62	2.103	31.62	15.436	31.73	40.600
31.58	0.128	31.75	0.155	31.59	0.523	31.59	1.188	31.73	2.087	31.71	15.252	31.82	40.365

31.68	0.128	31.84	0.154	31.67	0.518	31.68	1.177	31.81	2.064	31.80	15.040	31.91	40.031
31.77	0.128	31.94	0.158	31.78	0.511	31.78	1.169	31.91	2.051	31.88	14.928	32.02	39.723
31.87	0.125	32.03	0.156	31.87	0.515	31.85	1.166	32.01	2.040	32.01	14.778	32.10	39.415
31.96	0.127	32.13	0.152	31.98	0.509	31.95	1.151	32.10	2.011	32.09	14.614	32.20	39.029
32.05	0.127	32.23	0.149	32.07	0.503	32.06	1.143	32.22	1.992	32.20	14.473	32.29	38.510
32.15	0.126	32.31	0.153	32.18	0.504	32.14	1.137	32.30	1.982	32.29	14.340	32.40	38.200
32.23	0.124	32.42	0.151	32.25	0.501	32.24	1.125	32.40	1.964	32.39	14.228	32.50	37.963
32.34	0.125	32.51	0.150	32.33	0.500	32.33	1.119	32.51	1.946	32.48	14.021	32.61	37.537
32.43	0.122	32.61	0.146	32.44	0.489	32.44	1.107	32.61	1.930	32.58	13.954	32.69	37.133
32.53	0.123	32.72	0.151	32.52	0.485	32.52	1.105	32.70	1.917	32.68	13.820	32.79	36.921
32.63	0.121	32.81	0.146	32.61	0.478	32.61	1.087	32.78	1.903	32.79	13.670	32.89	36.593
32.71	0.124	32.89	0.142	32.74	0.483	32.72	1.081	32.88	1.886	32.87	13.521	32.97	36.316
32.82	0.120	32.99	0.147	32.82	0.480	32.79	1.073	32.97	1.873	32.98	13.430	33.07	35.844
32.91	0.119	33.11	0.149	32.91	0.472	32.91	1.066	33.07	1.862	33.07	13.264	33.17	35.486
33.01	0.118	33.19	0.149	32.99	0.472	33.00	1.055	33.17	1.843	33.17	13.133	33.26	35.143
33.10	0.122	33.28	0.146	33.10	0.463	33.08	1.052	33.28	1.833	33.26	13.062	33.37	34.738
33.19	0.125	33.38	0.144	33.19	0.461	33.18	1.039	33.37	1.811	33.36	12.879	33.47	34.333
33.29	0.121	33.49	0.144	33.28	0.462	33.27	1.037	33.47	1.805	33.44	12.774	33.56	34.015
33.40	0.118	33.57	0.143	33.38	0.455	33.38	1.028	33.56	1.792	33.54	12.601	33.66	33.739
33.49	0.117	33.68	0.141	33.49	0.457	33.46	1.021	33.66	1.773	33.65	12.489	33.77	33.404
33.58	0.118	33.76	0.137	33.58	0.450	33.56	1.010	33.75	1.755	33.73	12.363	33.86	33.174
33.66	0.113	33.84	0.141	33.67	0.450	33.64	1.002	33.83	1.743	33.84	12.255	33.95	33.033
33.74	0.116	33.95	0.135	33.78	0.449	33.73	0.995	33.94	1.728	33.95	12.100	34.04	32.766
33.86	0.114	34.07	0.139	33.88	0.435	33.83	0.987	34.05	1.712	34.03	11.986	34.15	32.504
33.95	0.116	34.14	0.135	33.98	0.436	33.93	0.979	34.15	1.696	34.13	11.846	34.22	32.460
34.04	0.115	34.24	0.133	34.05	0.431	34.03	0.974	34.25	1.689	34.22	11.754	34.33	32.074
34.13	0.113	34.34	0.138	34.15	0.433	34.12	0.966	34.33	1.674	34.33	11.592	34.43	31.742
34.23	0.118	34.45	0.133	34.25	0.424	34.21	0.960	34.43	1.667	34.41	11.487	34.53	31.413
34.31	0.116	34.55	0.135	34.34	0.425	34.31	0.953	34.53	1.653	34.52	11.397	34.63	31.197
34.42	0.113	34.62	0.130	34.43	0.417	34.40	0.942	34.62	1.637	34.61	11.270	34.71	30.853
34.52	0.113	34.74	0.133	34.51	0.424	34.49	0.936	34.73	1.628	34.72	11.178	34.81	30.656
34.60	0.111	34.83	0.129	34.63	0.421	34.59	0.932	34.82	1.608	34.80	11.060	34.91	30.236
34.71	0.111	34.93	0.135	34.72	0.418	34.68	0.922	34.90	1.598	34.91	10.938	35.00	29.998
34.81	0.115	35.03	0.133	34.80	0.419	34.79	0.916	35.01	1.586	35.00	10.824	35.11	29.736
34.90	0.112	35.13	0.131	34.90	0.409	34.89	0.908	35.11	1.578	35.09	10.697	35.20	29.422
34.99	0.112	35.21	0.131	34.98	0.410	34.96	0.902	35.21	1.559	35.20	10.582	35.29	29.089
35.08	0.112	35.34	0.129	35.10	0.403	35.07	0.899	35.30	1.548	35.29	10.490	35.39	28.806
35.18	0.111	35.43	0.130	35.18	0.402	35.14	0.893	35.41	1.536	35.38	10.393	35.50	28.530
35.27	0.110	35.51	0.128	35.27	0.401	35.25	0.883	35.48	1.528	35.47	10.309	35.59	28.238
35.37	0.109	35.61	0.126	35.37	0.399	35.35	0.877	35.59	1.512	35.59	10.210	35.69	27.835
35.45	0.113	35.70	0.129	35.45	0.398	35.44	0.872	35.69	1.498	35.68	10.107	35.77	27.624
35.55	0.109	35.80	0.125	35.57	0.392	35.54	0.865	35.78	1.489	35.77	10.013	35.87	27.412

35.65	0.108	35.92	0.126	35.67	0.388	35.62	0.861	35.88	1.478	35.87	9.899	35.98	27.241
35.75	0.105	35.99	0.122	35.75	0.388	35.74	0.856	35.97	1.466	35.97	9.833	36.08	26.934
35.85	0.113	36.09	0.126	35.85	0.390	35.83	0.843	36.08	1.461	36.06	9.710	36.16	26.812
35.92	0.107	36.19	0.124	35.94	0.384	35.92	0.842	36.17	1.442	36.16	9.619	36.28	26.556
36.02	0.104	36.28	0.123	36.02	0.386	36.00	0.831	36.26	1.433	36.26	9.543	36.36	26.437
36.11	0.108	36.39	0.120	36.14	0.379	36.13	0.825	36.37	1.425	36.36	9.439	36.45	26.112
36.20	0.108	36.48	0.127	36.23	0.375	36.19	0.821	36.48	1.412	36.44	9.321	36.57	25.950
36.30	0.104	36.57	0.124	36.32	0.374	36.30	0.814	36.56	1.408	36.54	9.240	36.64	25.638
36.39	0.106	36.66	0.122	36.41	0.372	36.40	0.808	36.64	1.390	36.65	9.176	36.76	25.448
36.49	0.105	36.78	0.123	36.50	0.371	36.50	0.805	36.76	1.380	36.75	9.092	36.85	25.188
36.58	0.104	36.86	0.118	36.59	0.366	36.58	0.797	36.84	1.371	36.83	9.010	36.94	24.892
36.67	0.104	36.96	0.120	36.71	0.364	36.68	0.789	36.95	1.356	36.95	8.896	37.03	24.745
36.77	0.106	37.05	0.118	36.80	0.368	36.76	0.788	37.03	1.349	37.04	8.798	37.12	24.446
36.87	0.103	37.14	0.118	36.88	0.361	36.86	0.778	37.14	1.342	37.12	8.727	37.22	24.265
36.95	0.102	37.24	0.117	36.98	0.356	36.96	0.771	37.22	1.333	37.24	8.662	37.33	24.080
37.05	0.105	37.33	0.116	37.07	0.356	37.05	0.770	37.33	1.317	37.31	8.590	37.41	23.738
37.13	0.101	37.43	0.113	37.18	0.353	37.14	0.765	37.42	1.310	37.42	8.479	37.51	23.613
37.23	0.104	37.54	0.113	37.27	0.355	37.24	0.758	37.50	1.296	37.51	8.397	37.60	23.270
37.33	0.102	37.62	0.114	37.36	0.353	37.34	0.753	37.62	1.288	37.60	8.308	37.72	23.005
37.41	0.101	37.73	0.114	37.47	0.350	37.43	0.748	37.71	1.280	37.71	8.234	37.81	22.828
37.52	0.096	37.83	0.116	37.57	0.343	37.52	0.740	37.81	1.268	37.79	8.156	37.90	22.590
37.61	0.099	37.92	0.115	37.65	0.344	37.61	0.739	37.91	1.260	37.89	8.056	37.99	22.459
37.70	0.100	38.03	0.115	37.75	0.345	37.69	0.733	37.99	1.248	37.98	7.995	38.10	22.245
37.80	0.099	38.13	0.113	37.83	0.340	37.80	0.731	38.08	1.242	38.09	7.913	38.20	22.113
37.90	0.097	38.20	0.112	37.94	0.341	37.90	0.723	38.20	1.230	38.18	7.844	38.29	21.997
37.98	0.099	38.30	0.114	38.02	0.337	37.98	0.717	38.30	1.222	38.28	7.773	38.40	21.731
38.09	0.104	38.41	0.114	38.12	0.333	38.08	0.710	38.39	1.212	38.38	7.691	38.48	21.605
38.16	0.101	38.49	0.110	38.19	0.332	38.19	0.707	38.48	1.209	38.47	7.608	38.59	21.339
38.26	0.096	38.59	0.112	38.31	0.327	38.27	0.700	38.59	1.197	38.56	7.537	38.68	21.161
38.37	0.096	38.69	0.105	38.39	0.331	38.37	0.692	38.68	1.188	38.67	7.471	38.76	20.914
38.46	0.096	38.79	0.106	38.50	0.325	38.45	0.694	38.79	1.174	38.76	7.401	38.87	20.739
38.53	0.102	38.88	0.107	38.57	0.325	38.55	0.689	38.88	1.170	38.86	7.333	38.97	20.492
38.66	0.096	38.99	0.109	38.68	0.320	38.64	0.685	38.96	1.160	38.95	7.247	39.06	20.290
38.74	0.095	39.08	0.110	38.77	0.317	38.75	0.682	39.06	1.154	39.07	7.203	39.17	20.086
38.83	0.100	39.19	0.105	38.87	0.319	38.83	0.676	39.16	1.143	39.14	7.136	39.26	19.881
38.93	0.096	39.27	0.108	38.97	0.311	38.94	0.672	39.28	1.136	39.27	7.049	39.36	19.676
39.01	0.095	39.38	0.107	39.05	0.311	39.01	0.662	39.36	1.123	39.35	7.001	39.46	19.468
39.12	0.093	39.48	0.105	39.13	0.309	39.12	0.663	39.45	1.121	39.45	6.939	39.56	19.349
39.21	0.092	39.58	0.109	39.24	0.307	39.20	0.658	39.56	1.112	39.54	6.881	39.65	19.176
39.31	0.095	39.66	0.103	39.33	0.305	39.29	0.649	39.65	1.099	39.63	6.794	39.74	19.015
39.39	0.094	39.74	0.108	39.43	0.304	39.39	0.647	39.74	1.095	39.73	6.730	39.81	18.864
39.49	0.094	39.85	0.106	39.53	0.303	39.49	0.643	39.83	1.086	39.81	6.661	39.93	18.737

39.60	0.097	39.96	0.102	39.62	0.301	39.57	0.633	39.94	1.077	39.92	6.610	40.02	18.634
39.68	0.094	40.04	0.102	39.70	0.298	39.67	0.634	40.02	1.070	40.01	6.541	40.12	18.384
39.79	0.093	40.13	0.104	39.81	0.295	39.77	0.631	40.13	1.064	40.11	6.477	40.23	18.220
39.88	0.091	40.23	0.103	39.90	0.296	39.86	0.624	40.21	1.058	40.21	6.432	40.32	18.069
39.97	0.094	40.34	0.103	40.00	0.295	39.96	0.623	40.32	1.050	40.30	6.365	40.41	17.918
40.08	0.092	40.43	0.100	40.08	0.289	40.05	0.618	40.40	1.038	40.41	6.331	40.49	17.714
40.17	0.093	40.54	0.103	40.17	0.292	40.14	0.615	40.51	1.031	40.51	6.228	40.60	17.570
40.28	0.091	40.62	0.102	40.25	0.289	40.25	0.608	40.60	1.029	40.59	6.183	40.71	17.397
40.35	0.092	40.71	0.098	40.37	0.290	40.34	0.604	40.70	1.017	40.69	6.143	40.80	17.166
40.45	0.092	40.81	0.104	40.47	0.286	40.42	0.604	40.79	1.009	40.80	6.068	40.90	16.972
40.54	0.089	40.90	0.099	40.55	0.283	40.52	0.598	40.89	1.001	40.89	6.026	40.99	16.810
40.63	0.088	41.01	0.100	40.65	0.281	40.62	0.593	40.98	0.993	40.98	5.964	41.10	16.676
40.74	0.094	41.10	0.104	40.76	0.279	40.70	0.593	41.07	0.986	41.09	5.906	41.20	16.495
40.84	0.090	41.20	0.096	40.84	0.281	40.81	0.584	41.18	0.980	41.18	5.853	41.28	16.420
40.93	0.085	41.30	0.098	40.92	0.279	40.88	0.584	41.28	0.976	41.28	5.781	41.38	16.244
41.02	0.086	41.41	0.097	41.01	0.275	40.99	0.579	41.37	0.963	41.37	5.753	41.48	16.157
41.13	0.092	41.49	0.098	41.14	0.275	41.08	0.574	41.46	0.958	41.46	5.686	41.58	16.012
41.20	0.085	41.59	0.096	41.23	0.273	41.18	0.576	41.56	0.953	41.57	5.631	41.69	15.858
41.30	0.088	41.68	0.097	41.31	0.271	41.27	0.568	41.65	0.943	41.65	5.588	41.78	15.718
41.40	0.089	41.77	0.099	41.40	0.267	41.36	0.560	41.77	0.935	41.74	5.543	41.86	15.573
41.50	0.086	41.88	0.093	41.50	0.268	41.45	0.556	41.85	0.933	41.85	5.499	41.97	15.426
41.59	0.085	41.98	0.097	41.59	0.270	41.55	0.557	41.96	0.924	41.96	5.442	42.05	15.303
41.69	0.087	42.06	0.099	41.68	0.269	41.63	0.549	42.05	0.922	42.04	5.376	42.14	15.164
41.78	0.085	42.16	0.095	41.79	0.262	41.73	0.544	42.16	0.912	42.15	5.346	42.24	15.116
41.87	0.087	42.26	0.094	41.88	0.262	41.82	0.543	42.24	0.901	42.22	5.285	42.35	14.854
41.96	0.091	42.36	0.095	41.97	0.260	41.93	0.538	42.34	0.896	42.32	5.245	42.44	14.740
42.04	0.087	42.45	0.096	42.07	0.256	42.01	0.536	42.43	0.893	42.43	5.178	42.52	14.594
42.14	0.085	42.55	0.091	42.17	0.256	42.11	0.533	42.55	0.887	42.53	5.134	42.63	14.414
42.26	0.083	42.64	0.096	42.25	0.254	42.20	0.530	42.63	0.882	42.62	5.097	42.73	14.314
42.34	0.086	42.75	0.090	42.36	0.253	42.29	0.526	42.73	0.876	42.72	5.054	42.84	14.176
42.43	0.083	42.84	0.095	42.43	0.251	42.39	0.522	42.83	0.871	42.81	4.997	42.92	14.044
42.53	0.087	42.91	0.089	42.54	0.249	42.49	0.519	42.92	0.863	42.91	4.966	43.02	13.928
42.62	0.085	43.02	0.093	42.62	0.244	42.59	0.516	43.02	0.856	43.00	4.908	43.12	13.883
42.72	0.085	43.11	0.091	42.72	0.247	42.68	0.513	43.11	0.849	43.11	4.871	43.21	13.758
42.80	0.087	43.22	0.090	42.81	0.244	42.76	0.514	43.21	0.847	43.19	4.823	43.31	13.612
42.91	0.084	43.31	0.092	42.91	0.244	42.87	0.509	43.30	0.837	43.29	4.768	43.43	13.528
43.02	0.085	43.42	0.086	43.00	0.244	42.96	0.502	43.40	0.832	43.39	4.747	43.50	13.334
43.10	0.085	43.51	0.089	43.08	0.242	43.05	0.501	43.51	0.828	43.49	4.696	43.59	13.252
43.18	0.086	43.61	0.089	43.19	0.238	43.15	0.499	43.59	0.824	43.58	4.655	43.70	13.143
43.28	0.084	43.70	0.088	43.29	0.240	43.25	0.492	43.68	0.817	43.69	4.620	43.78	12.999
43.37	0.085	43.80	0.088	43.39	0.238	43.35	0.490	43.77	0.811	43.77	4.567	43.89	12.893
43.47	0.083	43.90	0.092	43.49	0.236	43.44	0.488	43.88	0.801	43.88	4.524	44.01	12.718

43.57	0.084	44.01	0.091	43.57	0.232	43.53	0.482	43.97	0.802	43.98	4.489	44.07	12.639
43.67	0.084	44.08	0.088	43.68	0.233	43.64	0.481	44.07	0.798	44.06	4.450	44.18	12.513
43.74	0.082	44.18	0.086	43.78	0.234	43.73	0.477	44.16	0.787	44.17	4.410	44.27	12.374
43.85	0.085	44.28	0.086	43.87	0.229	43.83	0.475	44.28	0.787	44.27	4.361	44.37	12.283
43.93	0.078	44.36	0.084	43.96	0.229	43.91	0.470	44.37	0.775	44.35	4.328	44.45	12.190
44.03	0.081	44.46	0.084	44.03	0.228	44.02	0.470	44.47	0.771	44.46	4.291	44.56	12.105
44.13	0.080	44.57	0.085	44.13	0.228	44.11	0.466	44.55	0.767	44.56	4.248	44.65	11.981
44.23	0.077	44.67	0.083	44.23	0.224	44.20	0.462	44.64	0.762	44.64	4.225	44.76	11.868
44.32	0.082	44.77	0.086	44.33	0.225	44.28	0.460	44.75	0.757	44.74	4.183	44.85	11.794
44.41	0.081	44.86	0.081	44.43	0.220	44.39	0.460	44.84	0.750	44.85	4.148	44.95	11.700
44.52	0.082	44.96	0.085	44.52	0.221	44.47	0.456	44.96	0.744	44.93	4.112	45.05	11.584
44.61	0.079	45.05	0.084	44.60	0.220	44.57	0.452	45.04	0.740	45.05	4.068	45.15	11.455
44.71	0.081	45.16	0.090	44.72	0.220	44.67	0.448	45.14	0.734	45.15	4.030	45.23	11.364
44.80	0.078	45.25	0.080	44.81	0.215	44.77	0.447	45.24	0.730	45.22	4.006	45.34	11.249
44.90	0.080	45.34	0.087	44.89	0.215	44.86	0.444	45.34	0.723	45.31	3.969	45.42	11.167
44.99	0.078	45.44	0.087	45.03	0.214	44.95	0.445	45.42	0.724	45.42	3.922	45.52	11.069
45.09	0.076	45.53	0.083	45.09	0.213	45.04	0.435	45.50	0.716	45.53	3.886	45.61	10.915
45.18	0.080	45.63	0.084	45.20	0.214	45.13	0.433	45.62	0.714	45.60	3.872	45.71	10.844
45.25	0.082	45.72	0.085	45.28	0.213	45.23	0.430	45.71	0.707	45.72	3.831	45.82	10.756
45.36	0.080	45.82	0.080	45.40	0.211	45.33	0.430	45.80	0.705	45.81	3.797	45.91	10.635
45.45	0.079	45.93	0.084	45.49	0.208	45.43	0.428	45.90	0.697	45.89	3.752	46.01	10.546
45.54	0.080	46.01	0.084	45.58	0.210	45.51	0.423	46.00	0.692	46.00	3.730	46.12	10.462
45.63	0.075	46.13	0.078	45.67	0.206	45.62	0.423	46.09	0.687	46.08	3.699	46.21	10.364
45.74	0.081	46.21	0.079	45.77	0.205	45.72	0.416	46.20	0.682	46.18	3.665	46.30	10.246
45.83	0.078	46.31	0.080	45.85	0.206	45.81	0.418	46.29	0.678	46.27	3.628	46.42	10.200
45.93	0.081	46.40	0.078	45.96	0.202	45.90	0.413	46.39	0.671	46.37	3.594	46.50	10.151
46.02	0.080	46.50	0.075	46.05	0.203	45.99	0.413	46.48	0.670	46.48	3.569	46.60	10.033
46.12	0.080	46.60	0.078	46.13	0.199	46.08	0.408	46.59	0.667	46.56	3.545	46.69	9.979
46.21	0.081	46.70	0.081	46.24	0.202	46.17	0.408	46.67	0.659	46.68	3.514	46.79	9.854
46.30	0.079	46.81	0.080	46.30	0.200	46.27	0.405	46.76	0.657	46.76	3.474	46.88	9.778
46.40	0.074	46.90	0.078	46.43	0.199	46.35	0.403	46.88	0.651	46.87	3.451	46.98	9.682
46.49	0.074	46.99	0.076	46.52	0.199	46.46	0.399	46.96	0.648	46.95	3.418	47.08	9.602
46.59	0.078	47.07	0.081	46.62	0.198	46.57	0.394	47.07	0.645	47.04	3.390	47.17	9.499
46.68	0.076	47.18	0.077	46.71	0.195	46.66	0.394	47.15	0.642	47.14	3.366	47.25	9.416
46.79	0.074	47.28	0.075	46.80	0.198	46.76	0.393	47.26	0.638	47.24	3.340	47.37	9.345
46.88	0.071	47.37	0.078	46.90	0.194	46.87	0.388	47.33	0.630	47.35	3.300	47.46	9.269
46.97	0.080	47.47	0.079	46.96	0.194	46.95	0.387	47.43	0.623	47.43	3.265	47.56	9.202
47.05	0.078	47.56	0.078	47.08	0.194	47.04	0.382	47.55	0.621	47.53	3.259	47.64	9.099
47.15	0.080	47.65	0.075	47.17	0.192	47.14	0.383	47.64	0.619	47.62	3.224	47.74	8.970
47.22	0.079	47.77	0.073	47.27	0.194	47.23	0.382	47.73	0.611	47.73	3.192	47.85	8.934
47.35	0.074	47.85	0.077	47.36	0.192	47.33	0.379	47.83	0.610	47.83	3.170	47.95	8.839
47.45	0.076	47.95	0.079	47.44	0.190	47.42	0.374	47.93	0.609	47.92	3.148	48.04	8.773

47.53	0.071	48.04	0.075	47.55	0.185	47.52	0.374	48.03	0.601	48.00	3.125	48.13	8.700
47.62	0.071	48.15	0.073	47.63	0.189	47.62	0.372	48.13	0.598	48.11	3.087	48.23	8.635
47.71	0.074	48.24	0.078	47.72	0.187	47.70	0.368	48.22	0.593	48.21	3.058	48.32	8.569
47.81	0.075	48.35	0.075	47.85	0.185	47.80	0.368	48.33	0.589	48.31	3.029	48.41	8.510
47.90	0.076	48.43	0.078	47.92	0.187	47.87	0.366	48.41	0.592	48.38	3.002	48.52	8.448
47.99	0.074	48.53	0.074	48.02	0.183	47.97	0.362	48.52	0.585	48.49	2.988	48.62	8.326
48.10	0.071	48.63	0.072	48.11	0.182	48.07	0.363	48.60	0.580	48.58	2.970	48.70	8.268
48.18	0.074	48.71	0.072	48.21	0.182	48.17	0.360	48.69	0.575	48.69	2.935	48.81	8.202
48.28	0.072	48.81	0.075	48.30	0.183	48.26	0.357	48.79	0.573	48.77	2.915	48.90	8.144
48.39	0.073	48.94	0.075	48.38	0.181	48.36	0.352	48.89	0.566	48.88	2.892	49.00	8.062
48.48	0.079	49.00	0.075	48.49	0.179	48.45	0.354	49.00	0.564	48.96	2.863	49.08	7.973
48.57	0.076	49.11	0.076	48.56	0.177	48.55	0.348	49.09	0.559	49.07	2.838	49.19	7.925
48.67	0.070	49.20	0.074	48.67	0.176	48.64	0.350	49.17	0.557	49.15	2.818	49.26	7.860
48.76	0.070	49.29	0.073	48.76	0.177	48.72	0.344	49.27	0.554	49.27	2.787	49.38	7.768
48.87	0.070	49.38	0.072	48.85	0.174	48.81	0.345	49.37	0.552	49.35	2.770	49.47	7.724
48.96	0.074	49.50	0.073	48.95	0.172	48.89	0.342	49.46	0.543	49.46	2.750	49.58	7.649
49.05	0.074	49.58	0.072	49.04	0.174	49.00	0.343	49.56	0.542	49.56	2.725	49.66	7.584
49.15	0.070	49.68	0.069	49.14	0.171	49.10	0.338	49.65	0.543	49.66	2.701	49.77	7.531
49.24	0.072	49.78	0.072	49.23	0.172	49.20	0.334	49.77	0.537	49.74	2.678	49.87	7.465
49.34	0.076	49.86	0.066	49.32	0.170	49.28	0.336	49.86	0.537	49.85	2.658	49.95	7.404
49.43	0.067	49.96	0.070	49.43	0.167	49.39	0.334	49.96	0.528	49.93	2.635	50.07	7.356
49.52	0.069	50.08	0.070	49.52	0.171	49.48	0.334	50.05	0.524	50.04	2.616	50.14	7.275
49.61	0.077	50.16	0.071	49.61	0.167	49.57	0.328	50.14	0.524	50.14	2.589	50.26	7.224
49.72	0.073	50.28	0.073	49.71	0.166	49.67	0.326	50.24	0.521	50.23	2.571	50.34	7.163
49.80	0.074	50.35	0.073	49.80	0.166	49.77	0.327	50.35	0.518	50.32	2.555	50.45	7.109
49.89	0.067	50.47	0.073	49.89	0.165	49.87	0.324	50.43	0.514	50.41	2.534	50.53	7.052
49.98	0.072	50.56	0.068	50.00	0.164	49.96	0.319	50.53	0.512	50.52	2.513	50.63	6.975
50.08	0.070	50.65	0.073	50.09	0.164	50.05	0.319	50.62	0.502	50.62	2.486	50.73	6.934
50.17	0.077	50.75	0.070	50.19	0.163	50.14	0.316	50.73	0.501	50.72	2.471	50.82	6.883
50.27	0.068	50.85	0.065	50.28	0.159	50.24	0.316	50.82	0.502	50.80	2.456	50.92	6.791
50.35	0.070	50.94	0.078	50.38	0.160	50.35	0.314	50.93	0.496	50.91	2.424	51.01	6.763
50.45	0.069	51.04	0.069	50.46	0.160	50.44	0.313	51.01	0.497	51.00	2.415	51.11	6.680
50.55	0.073	51.14	0.070	50.54	0.160	50.53	0.311	51.12	0.493	51.11	2.387	51.21	6.630
50.63	0.068	51.23	0.070	50.65	0.156	50.62	0.308	51.22	0.489	51.19	2.374	51.30	6.559
50.75	0.069	51.32	0.070	50.75	0.159	50.73	0.308	51.32	0.484	51.29	2.345	51.41	6.533
50.83	0.069	51.43	0.068	50.84	0.156	50.80	0.306	51.41	0.475	51.38	2.339	51.50	6.455
50.92	0.069	51.51	0.069	50.94	0.155	50.92	0.306	51.50	0.475	51.47	2.319	51.59	6.379
51.02	0.070	51.60	0.065	51.04	0.155	51.01	0.299	51.59	0.475	51.58	2.299	51.70	6.346
51.10	0.073	51.71	0.070	51.12	0.156	51.09	0.300	51.71	0.475	51.67	2.272	51.79	6.302
51.19	0.069	51.80	0.065	51.21	0.155	51.19	0.300	51.79	0.472	51.76	2.259	51.90	6.246
51.29	0.069	51.90	0.069	51.30	0.155	51.29	0.298	51.90	0.467	51.87	2.245	51.99	6.209
51.40	0.066	52.00	0.065	51.41	0.154	51.38	0.296	51.98	0.467	51.97	2.222	52.09	6.145

51.48	0.065	52.10	0.069	51.50	0.155	51.48	0.289	52.08	0.463	52.06	2.211	52.16	6.097
51.58	0.065	52.18	0.065	51.61	0.151	51.57	0.290	52.18	0.458	52.17	2.191	52.28	6.045
51.68	0.064	52.30	0.067	51.69	0.151	51.67	0.287	52.28	0.452	52.26	2.162	52.37	5.999
51.76	0.071	52.39	0.066	51.79	0.149	51.75	0.286	52.36	0.449	52.35	2.145	52.47	5.931
51.86	0.073	52.47	0.064	51.87	0.148	51.87	0.289	52.47	0.448	52.45	2.133	52.57	5.905
51.96	0.071	52.59	0.074	51.98	0.149	51.94	0.282	52.57	0.453	52.55	2.126	52.66	5.849
52.04	0.068	52.68	0.064	52.08	0.150	52.06	0.280	52.66	0.444	52.64	2.097	52.74	5.803
52.16	0.069	52.75	0.064	52.16	0.147	52.14	0.281	52.75	0.444	52.74	2.089	52.85	5.763
52.25	0.071	52.86	0.063	52.26	0.146	52.22	0.283	52.86	0.443	52.82	2.078	52.95	5.702
52.34	0.069	52.96	0.066	52.35	0.145	52.34	0.282	52.95	0.435	52.93	2.062	53.05	5.660
52.43	0.071	53.05	0.064	52.44	0.147	52.43	0.279	53.04	0.438	53.02	2.033	53.14	5.613
52.53	0.066	53.16	0.061	52.55	0.145	52.52	0.274	53.15	0.430	53.13	2.019	53.23	5.550
52.63	0.067	53.26	0.063	52.62	0.144	52.61	0.275	53.24	0.431	53.23	2.013	53.33	5.525
52.70	0.069	53.34	0.069	52.70	0.145	52.71	0.275	53.34	0.427	53.31	1.996	53.43	5.480
52.82	0.067	53.45	0.061	52.81	0.143	52.81	0.272	53.44	0.425	53.41	1.972	53.53	5.437
52.92	0.075	53.55	0.065	52.92	0.144	52.90	0.272	53.52	0.423	53.51	1.964	53.63	5.380
53.01	0.065	53.63	0.057	52.99	0.141	52.99	0.265	53.62	0.418	53.61	1.948	53.72	5.357
53.09	0.071	53.74	0.067	53.08	0.141	53.10	0.267	53.71	0.413	53.70	1.931	53.82	5.290
53.19	0.068	53.82	0.061	53.18	0.139	53.19	0.269	53.82	0.412	53.79	1.920	53.91	5.255
53.28	0.067	53.94	0.072	53.28	0.141	53.27	0.265	53.91	0.411	53.89	1.897	54.01	5.213
53.38	0.070	54.05	0.062	53.38	0.136	53.37	0.265	54.02	0.411	53.98	1.884	54.09	5.201
53.47	0.062	54.12	0.065	53.47	0.136	53.47	0.261	54.10	0.407	54.08	1.870	54.19	5.131
53.56	0.063	54.22	0.060	53.56	0.138	53.56	0.258	54.20	0.407	54.18	1.856	54.29	5.097
53.66	0.065	54.33	0.064	53.66	0.137	53.65	0.258	54.29	0.405	54.28	1.836	54.39	5.037
53.76	0.069	54.41	0.073	53.75	0.137	53.75	0.257	54.40	0.400	54.36	1.830	54.49	5.001
53.86	0.071	54.52	0.061	53.84	0.136	53.85	0.259	54.49	0.399	54.46	1.812	54.58	4.964
53.94	0.069	54.61	0.061	53.94	0.134	53.93	0.256	54.60	0.395	54.57	1.802	54.68	4.926
54.03	0.069	54.71	0.063	54.04	0.133	54.03	0.253	54.69	0.391	54.68	1.785	54.78	4.876
54.12	0.065	54.80	0.069	54.12	0.134	54.12	0.249	54.78	0.391	54.76	1.772	54.87	4.841
54.21	0.065	54.90	0.060	54.23	0.132	54.22	0.256	54.87	0.389	54.85	1.759	54.97	4.801
54.32	0.071	55.00	0.059	54.32	0.134	54.34	0.249	54.99	0.388	54.95	1.741	55.06	4.762
54.42	0.075	55.09	0.063	54.41	0.133	54.43	0.248	55.08	0.379	55.05	1.734	55.17	4.716
54.51	0.064	55.18	0.061	54.50	0.131	54.50	0.248	55.18	0.383	55.15	1.724	55.26	4.680
54.61	0.071	55.29	0.063	54.61	0.133	54.60	0.246	55.25	0.379	55.24	1.706	55.36	4.644
54.69	0.061	55.39	0.060	54.70	0.126	54.71	0.243	55.36	0.374	55.35	1.693	55.45	4.611
54.79	0.064	55.47	0.059	54.79	0.131	54.80	0.246	55.46	0.377	55.43	1.680	55.54	4.579
54.89	0.068	55.57	0.056	54.88	0.131	54.90	0.244	55.56	0.369	55.53	1.661	55.65	4.543
54.98	0.061	55.69	0.060	54.97	0.128	54.99	0.240	55.65	0.370	55.63	1.661	55.73	4.487
55.07	0.069	55.76	0.059	55.06	0.126	55.08	0.237	55.75	0.369	55.72	1.643	55.83	4.467
55.16	0.062	55.86	0.064	55.17	0.129	55.18	0.239	55.85	0.370	55.83	1.629	55.93	4.435
55.25	0.068	55.96	0.065	55.26	0.128	55.27	0.237	55.95	0.362	55.92	1.618	56.01	4.383
55.33	0.065	56.04	0.060	55.34	0.127	55.36	0.237	56.05	0.364	56.02	1.613	56.12	4.368

55.43	0.069	56.15	0.062	55.45	0.126	55.46	0.235	56.14	0.359	56.12	1.594	56.21	4.326
55.55	0.070	56.24	0.058	55.56	0.123	55.57	0.232	56.24	0.364	56.22	1.587	56.33	4.276
55.64	0.063	56.34	0.061	55.62	0.127	55.64	0.231	56.33	0.356	56.30	1.569	56.41	4.238
55.73	0.069	56.44	0.059	55.72	0.127	55.73	0.231	56.43	0.351	56.40	1.555	56.50	4.243
55.83	0.067	56.53	0.056	55.81	0.125	55.85	0.231	56.52	0.353	56.50	1.548	56.61	4.196
55.93	0.062	56.65	0.060	55.91	0.122	55.93	0.224	56.60	0.349	56.59	1.533	56.69	4.179
56.00	0.061	56.72	0.053	56.02	0.122	56.04	0.228	56.70	0.348	56.69	1.524	56.79	4.124
56.10	0.063	56.84	0.067	56.11	0.121	56.11	0.227	56.81	0.342	56.79	1.512	56.88	4.088
56.19	0.067	56.93	0.063	56.20	0.121	56.21	0.223	56.90	0.342	56.88	1.499	56.98	4.067
56.28	0.060	57.02	0.056	56.28	0.123	56.31	0.226	57.01	0.343	56.97	1.491	57.08	4.021
56.37	0.065	57.11	0.058	56.39	0.119	56.40	0.221	57.11	0.337	57.07	1.480	57.18	3.994
56.47	0.066	57.20	0.056	56.49	0.122	56.50	0.218	57.21	0.343	57.17	1.470	57.27	3.959
56.58	0.070	57.31	0.059	56.59	0.122	56.60	0.222	57.28	0.338	57.27	1.458	57.37	3.947
56.66	0.067	57.41	0.059	56.68	0.119	56.69	0.219	57.40	0.337	57.36	1.450	57.47	3.904
56.77	0.060	57.51	0.058	56.78	0.119	56.77	0.218	57.49	0.331	57.45	1.437	57.56	3.877
56.85	0.060	57.59	0.061	56.87	0.119	56.89	0.219	57.59	0.331	57.54	1.427	57.67	3.843
56.94	0.064	57.69	0.057	56.97	0.119	56.98	0.216	57.69	0.331	57.65	1.416	57.77	3.811
57.03	0.058	57.79	0.057	57.06	0.119	57.07	0.217	57.78	0.325	57.75	1.412	57.85	3.774
57.13	0.067	57.89	0.059	57.16	0.118	57.17	0.213	57.88	0.324	57.85	1.394	57.94	3.756
57.23	0.067	57.99	0.054	57.24	0.116	57.25	0.214	57.97	0.323	57.94	1.381	58.05	3.738
57.33	0.058	58.08	0.055	57.33	0.117	57.36	0.212	58.08	0.317	58.04	1.378	58.14	3.695
57.41	0.066	58.18	0.051	57.43	0.114	57.46	0.212	58.15	0.318	58.11	1.364	58.25	3.671
57.50	0.066	58.28	0.061	57.52	0.117	57.56	0.211	58.26	0.323	58.23	1.356	58.34	3.648
57.59	0.065	58.37	0.060	57.62	0.114	57.65	0.208	58.35	0.319	58.32	1.339	58.43	3.626
57.68	0.070	58.48	0.058	57.69	0.115	57.74	0.206	58.45	0.318	58.42	1.337	58.52	3.590
57.78	0.068	58.58	0.057	57.79	0.113	57.83	0.208	58.56	0.314	58.52	1.327	58.62	3.562
57.89	0.065	58.67	0.050	57.89	0.114	57.93	0.205	58.66	0.305	58.62	1.312	58.71	3.534
57.97	0.062	58.77	0.062	57.98	0.111	58.03	0.208	58.75	0.307	58.70	1.308	58.82	3.495
58.06	0.060	58.86	0.049	58.08	0.112	58.11	0.207	58.84	0.305	58.81	1.299	58.91	3.483
58.17	0.064	58.94	0.059	58.18	0.110	58.23	0.202	58.93	0.308	58.91	1.288	59.02	3.441
58.26	0.061	59.05	0.053	58.27	0.115	58.31	0.201	59.04	0.301	59.00	1.273	59.10	3.423
58.35	0.062	59.15	0.057	58.34	0.112	58.41	0.200	59.13	0.301	59.09	1.270	59.20	3.385
58.44	0.060	59.25	0.050	58.45	0.109	58.50	0.197	59.23	0.301	59.20	1.259	59.29	3.358
58.54	0.065	59.33	0.051	58.55	0.111	58.59	0.202	59.33	0.301	59.29	1.258	59.40	3.338
58.62	0.064	59.46	0.051	58.65	0.108	58.68	0.197	59.40	0.297	59.39	1.244	59.48	3.305
58.74	0.062	59.52	0.061	58.75	0.111	58.79	0.197	59.51	0.299	59.48	1.233	59.60	3.289
58.83	0.060	59.64	0.057	58.84	0.111	58.89	0.191	59.61	0.295	59.59	1.227	59.69	3.254
58.91	0.060	59.72	0.057	58.91	0.107	58.97	0.197	59.71	0.293	59.68	1.214	59.80	3.216
58.99	0.063	59.83	0.060	59.02	0.106	59.08	0.193	59.80	0.289	59.78	1.209	59.89	3.200
59.09	0.064	59.91	0.054	59.11	0.105	59.16	0.195	59.89	0.287	59.87	1.197	59.99	3.185
59.19	0.065	60.01	0.063	59.21	0.107	59.27	0.189	59.99	0.290	59.99	1.196	60.09	3.154
59.28	0.062	60.11	0.050	59.32	0.109	59.36	0.190	60.09	0.288	60.06	1.183	60.17	3.132

59.37	0.062	60.20	0.059	59.41	0.105	59.44	0.189	60.19	0.286	60.16	1.173	60.28	3.113
59.46	0.065	60.29	0.051	59.50	0.106	59.54	0.190	60.27	0.287	60.25	1.166	60.36	3.092
59.57	0.057	60.41	0.061	59.59	0.105	59.63	0.188	60.40	0.283	60.36	1.157	60.47	3.058
59.65	0.062	60.51	0.056	59.69	0.105	59.74	0.188	60.47	0.284	60.46	1.153	60.57	3.037
59.76	0.062	60.61	0.055	59.77	0.105	59.82	0.190	60.56	0.277	60.55	1.138	60.65	3.020
59.84	0.065	60.71	0.051	59.88	0.103	59.92	0.184	60.66	0.278	60.64	1.135	60.77	2.995
59.93	0.063	60.80	0.054	59.97	0.104	60.02	0.183	60.77	0.276	60.74	1.123	60.85	2.965
60.02	0.059	60.88	0.054	60.07	0.104	60.11	0.185	60.85	0.275	60.84	1.121	60.95	2.941
60.12	0.062	61.00	0.055	60.15	0.105	60.21	0.181	60.94	0.269	60.94	1.109	61.05	2.926
60.21	0.063	61.08	0.047	60.26	0.104	60.31	0.185	61.04	0.273	61.03	1.100	61.15	2.912
60.31	0.060	61.17	0.051	60.35	0.100	60.39	0.183	61.15	0.273	61.13	1.095	61.23	2.887
60.39	0.063	61.27	0.054	60.44	0.105	60.47	0.180	61.24	0.270	61.23	1.087	61.33	2.870
60.49	0.061	61.36	0.056	60.54	0.101	60.60	0.179	61.33	0.267	61.31	1.079	61.43	2.827
60.58	0.063	61.47	0.058	60.63	0.099	60.68	0.179	61.44	0.267	61.42	1.069	61.54	2.820
60.68	0.061	61.58	0.049	60.72	0.101	60.77	0.178	61.52	0.265	61.50	1.062	61.62	2.793
60.75	0.061	61.65	0.057	60.82	0.100	60.88	0.177	61.61	0.264	61.60	1.052	61.72	2.772
60.88	0.062	61.74	0.052	60.91	0.102	60.96	0.180	61.72	0.267	61.70	1.054	61.81	2.752
60.96	0.059	61.84	0.058	61.00	0.100	61.07	0.178	61.83	0.259	61.80	1.051	61.92	2.727
61.06	0.063	61.96	0.049	61.08	0.101	61.15	0.175	61.93	0.261	61.89	1.038	62.01	2.715
61.15	0.063	62.04	0.049	61.21	0.100	61.24	0.171	62.00	0.257	61.99	1.030	62.09	2.688
61.24	0.060	62.15	0.054	61.29	0.100	61.35	0.174	62.12	0.257	62.09	1.019	62.21	2.669
61.34	0.059	62.22	0.059	61.39	0.097	61.44	0.177	62.20	0.258	62.18	1.010	62.30	2.652
61.43	0.062	62.34	0.058	61.46	0.097	61.55	0.172	62.30	0.254	62.29	1.004	62.39	2.617
61.54	0.059	62.43	0.048	61.58	0.096	61.63	0.174	62.39	0.251	62.38	0.997	62.50	2.608
61.62	0.062	62.53	0.057	61.66	0.099	61.74	0.173	62.51	0.252	62.46	0.996	62.58	2.598
61.72	0.065	62.63	0.052	61.76	0.094	61.83	0.171	62.59	0.250	62.56	0.979	62.68	2.579
61.82	0.060	62.72	0.056	61.85	0.094	61.92	0.171	62.68	0.247	62.67	0.978	62.76	2.551
61.90	0.066	62.82	0.051	61.93	0.097	62.00	0.168	62.77	0.248	62.76	0.974	62.88	2.535
61.99	0.059	62.91	0.051	62.04	0.094	62.11	0.167	62.88	0.243	62.85	0.972	62.97	2.518
62.08	0.057	63.03	0.052	62.13	0.098	62.21	0.162	62.97	0.249	62.97	0.960	63.07	2.498
62.18	0.060	63.11	0.050	62.22	0.093	62.30	0.169	63.07	0.250	63.05	0.953	63.15	2.477
62.28	0.061	63.20	0.051	62.33	0.095	62.40	0.161	63.17	0.243	63.14	0.946	63.27	2.459
62.37	0.064	63.30	0.058	62.42	0.093	62.48	0.164	63.28	0.243	63.25	0.948	63.35	2.434
62.47	0.058	63.39	0.055	62.50	0.097	62.59	0.163	63.36	0.240	63.34	0.933	63.45	2.426
62.56	0.058	63.49	0.049	62.59	0.096	62.67	0.165	63.44	0.241	63.45	0.919	63.55	2.406
62.66	0.059	63.58	0.058	62.70	0.095	62.77	0.162	63.55	0.235	63.53	0.923	63.65	2.386
62.75	0.057	63.67	0.053	62.79	0.096	62.87	0.164	63.66	0.236	63.64	0.920	63.74	2.373
62.84	0.060	63.79	0.055	62.89	0.093	62.97	0.160	63.75	0.231	63.74	0.909	63.83	2.348
62.94	0.059	63.89	0.047	62.97	0.095	63.06	0.155	63.84	0.228	63.83	0.901	63.94	2.330
63.03	0.059	63.98	0.058	63.10	0.097	63.17	0.163	63.94	0.233	63.93	0.894	64.03	2.323
63.13	0.061	64.08	0.053	63.17	0.089	63.26	0.162	64.05	0.230	64.01	0.888	64.14	2.290
63.23	0.061	64.16	0.049	63.28	0.093	63.34	0.161	64.13	0.231	64.13	0.883	64.23	2.286

63.33	0.068	64.26	0.056	63.37	0.092	63.45	0.158	64.23	0.226	64.21	0.878	64.33	2.268
63.42	0.058	64.36	0.045	63.45	0.091	63.53	0.156	64.33	0.225	64.31	0.875	64.41	2.246
63.51	0.058	64.45	0.053	63.55	0.093	63.63	0.156	64.43	0.226	64.41	0.870	64.52	2.242
63.61	0.056	64.56	0.047	63.64	0.092	63.74	0.153	64.53	0.230	64.52	0.860	64.60	2.210
63.69	0.062	64.64	0.050	63.74	0.090	63.81	0.155	64.63	0.226	64.60	0.853	64.71	2.203
63.81	0.062	64.75	0.050	63.83	0.091	63.91	0.153	64.71	0.223	64.70	0.851	64.79	2.193
63.90	0.069	64.85	0.060	63.93	0.091	64.02	0.155	64.82	0.222	64.79	0.844	64.92	2.171
64.00	0.053	64.95	0.051	64.03	0.090	64.10	0.153	64.92	0.219	64.89	0.842	64.99	2.158
64.10	0.054	65.04	0.048	64.14	0.090	64.18	0.151	65.02	0.219	64.99	0.832	65.09	2.127
64.19	0.061	65.12	0.050	64.22	0.087	64.28	0.152	65.10	0.216	65.07	0.828	65.18	2.122
64.29	0.061	65.23	0.048	64.31	0.087	64.38	0.147	65.20	0.217	65.17	0.825	65.30	2.104
64.38	0.063	65.33	0.057	64.40	0.092	64.48	0.150	65.30	0.221	65.28	0.816	65.39	2.082
64.46	0.061	65.41	0.045	64.51	0.090	64.58	0.153	65.39	0.216	65.37	0.813	65.47	2.091
64.58	0.065	65.53	0.053	64.59	0.087	64.68	0.151	65.49	0.211	65.44	0.815	65.57	2.068
64.67	0.052	65.61	0.056	64.69	0.092	64.77	0.149	65.58	0.212	65.56	0.805	65.67	2.043
64.75	0.058	65.71	0.055	64.78	0.087	64.87	0.148	65.68	0.209	65.65	0.798	65.78	2.027
64.85	0.062	65.82	0.047	64.89	0.086	64.96	0.146	65.78	0.214	65.76	0.797	65.88	2.023
64.96	0.057	65.90	0.051	64.99	0.086	65.05	0.144	65.87	0.207	65.85	0.788	65.97	2.000
65.03	0.059	65.98	0.045	65.06	0.090	65.15	0.142	65.98	0.212	65.95	0.783	66.05	1.992
65.14	0.066	66.11	0.062	65.19	0.084	65.25	0.141	66.07	0.208	66.04	0.776	66.16	1.960
65.23	0.061	66.18	0.040	65.25	0.089	65.33	0.143	66.16	0.203	66.15	0.774	66.26	1.957
65.34	0.056	66.29	0.055	65.37	0.085	65.44	0.144	66.27	0.205	66.24	0.764	66.35	1.940
65.42	0.059	66.38	0.046	65.46	0.086	65.53	0.143	66.35	0.206	66.34	0.759	66.45	1.938
65.50	0.055	66.48	0.054	65.56	0.087	65.63	0.147	66.46	0.206	66.44	0.753	66.54	1.914
65.62	0.051	66.58	0.050	65.65	0.082	65.71	0.142	66.54	0.203	66.52	0.754	66.65	1.894
65.72	0.057	66.69	0.045	65.74	0.083	65.80	0.142	66.65	0.204	66.63	0.748	66.74	1.881
65.80	0.060	66.77	0.048	65.84	0.083	65.92	0.142	66.74	0.200	66.72	0.741	66.83	1.879
65.92	0.060	66.88	0.046	65.93	0.084	66.00	0.142	66.83	0.201	66.81	0.739	66.92	1.861
66.01	0.054	66.98	0.055	66.03	0.085	66.10	0.143	66.95	0.203	66.93	0.735	67.02	1.846
66.10	0.058	67.07	0.049	66.12	0.083	66.19	0.140	67.04	0.198	67.02	0.722	67.12	1.838
66.19	0.060	67.17	0.047	66.22	0.085	66.28	0.138	67.13	0.198	67.11	0.726	67.23	1.820
66.27	0.061	67.26	0.049	66.31	0.084	66.39	0.137	67.23	0.197	67.20	0.720	67.32	1.798
66.38	0.055	67.36	0.047	66.41	0.085	66.49	0.137	67.33	0.195	67.30	0.715	67.42	1.800
66.47	0.054	67.46	0.053	66.50	0.081	66.58	0.138	67.44	0.191	67.39	0.709	67.51	1.787
66.56	0.058	67.54	0.053	66.59	0.082	66.67	0.134	67.52	0.196	67.50	0.705	67.60	1.772
66.65	0.056	67.65	0.049	66.69	0.082	66.77	0.136	67.63	0.194	67.57	0.698	67.69	1.753
66.76	0.058	67.75	0.055	66.77	0.081	66.86	0.135	67.72	0.193	67.67	0.696	67.78	1.750
66.86	0.060	67.84	0.054	66.87	0.084	66.97	0.133	67.81	0.193	67.77	0.689	67.90	1.733
66.94	0.056	67.95	0.050	66.97	0.082	67.05	0.135	67.91	0.192	67.88	0.689	67.99	1.722
67.04	0.063	68.03	0.047	67.06	0.080	67.15	0.137	68.00	0.189	67.96	0.684	68.09	1.704
67.13	0.058	68.13	0.049	67.17	0.082	67.23	0.136	68.10	0.192	68.07	0.680	68.20	1.689
67.23	0.059	68.24	0.048	67.25	0.077	67.32	0.137	68.19	0.187	68.17	0.679	68.27	1.685

67.31	0.056	68.32	0.047	67.34	0.081	67.45	0.132	68.28	0.186	68.26	0.672	68.38	1.672
67.42	0.064	68.43	0.056	67.45	0.079	67.53	0.135	68.39	0.189	68.35	0.669	68.47	1.657
67.51	0.060	68.52	0.044	67.54	0.084	67.61	0.133	68.49	0.188	68.47	0.666	68.58	1.645
67.60	0.060	68.62	0.053	67.62	0.082	67.70	0.128	68.59	0.180	68.55	0.662	68.67	1.628
67.71	0.052	68.71	0.046	67.72	0.084	67.81	0.134	68.68	0.184	68.66	0.651	68.76	1.621
67.79	0.060	68.80	0.054	67.81	0.080	67.90	0.127	68.77	0.185	68.75	0.651	68.86	1.612
67.89	0.060	68.90	0.044	67.91	0.079	67.98	0.127	68.86	0.182	68.85	0.651	68.95	1.611
68.00	0.056	69.01	0.047	68.00	0.077	68.09	0.128	68.96	0.182	68.94	0.645	69.05	1.584
68.07	0.057	69.11	0.056	68.09	0.077	68.17	0.129	69.05	0.174	69.04	0.634	69.16	1.587
68.18	0.055	69.20	0.044	68.18	0.078	68.27	0.130	69.15	0.183	69.13	0.630	69.24	1.565
68.25	0.054	69.29	0.056	68.29	0.076	68.37	0.126	69.24	0.178	69.23	0.635	69.35	1.553
68.36	0.059	69.38	0.045	68.36	0.081	68.47	0.126	69.34	0.181	69.32	0.619	69.43	1.546
68.45	0.058	69.48	0.039	68.48	0.076	68.57	0.126	69.45	0.179	69.41	0.625	69.53	1.551
68.56	0.060	69.60	0.047	68.58	0.079	68.65	0.131	69.56	0.175	69.51	0.622	69.62	1.531
68.64	0.056	69.67	0.055	68.67	0.076	68.74	0.125	69.64	0.172	69.61	0.619	69.72	1.516
68.75	0.058	69.77	0.043	68.76	0.076	68.86	0.126	69.74	0.174	69.70	0.614	69.82	1.503
68.82	0.055	69.86	0.048	68.86	0.080	68.94	0.127	69.83	0.174	69.81	0.608	69.91	1.486
68.94	0.066	69.97	0.046	68.95	0.073	69.03	0.125	69.93	0.177	69.90	0.605	70.01	1.482
69.03	0.055	70.07	0.051	69.04	0.072	69.13	0.123	70.02	0.176	70.00	0.604	70.11	1.476
69.12	0.055	70.16	0.056	69.15	0.077	69.22	0.122	70.11	0.177	70.09	0.598	70.21	1.472
69.20	0.052	70.25	0.040	69.24	0.073	69.32	0.124	70.23	0.164	70.18	0.593	70.32	1.451
69.30	0.060	70.37	0.051	69.35	0.079	69.40	0.121	70.31	0.170	70.28	0.592	70.40	1.441
69.40	0.060	70.45	0.049	69.44	0.075	69.51	0.124	70.41	0.167	70.37	0.584	70.50	1.429
69.49	0.057	70.54	0.050	69.53	0.081	69.60	0.123	70.51	0.166	70.46	0.585	70.60	1.419
69.57	0.061	70.64	0.048	69.62	0.078	69.68	0.121	70.61	0.165	70.57	0.578	70.69	1.418
69.68	0.059	70.75	0.042	69.71	0.079	69.78	0.119	70.69	0.170	70.67	0.577	70.79	1.400
69.76	0.056	70.84	0.053	69.81	0.075	69.88	0.118	70.81	0.165	70.77	0.576	70.89	1.402
69.85	0.057	70.92	0.044	69.89	0.075	69.97	0.121	70.89	0.169	70.85	0.569	70.98	1.381
69.95	0.061	71.01	0.057	70.00	0.072	70.08	0.121	71.00	0.163	70.97	0.569	71.08	1.377
70.05	0.057	71.13	0.039	70.08	0.076	70.18	0.121	71.09	0.167	71.05	0.566	71.18	1.361
70.15	0.064	71.22	0.044	70.19	0.073	70.26	0.120	71.18	0.163	71.17	0.559	71.26	1.359
70.24	0.064	71.30	0.049	70.29	0.069	70.35	0.118	71.27	0.164	71.26	0.562	71.36	1.351
70.34	0.055	71.42	0.042	70.38	0.074	70.47	0.117	71.38	0.159	71.35	0.548	71.45	1.334
70.43	0.054	71.50	0.044	70.48	0.073	70.55	0.113	71.46	0.164	71.45	0.543	71.56	1.324
70.52	0.056	71.61	0.046	70.57	0.075	70.65	0.118	71.57	0.160	71.55	0.542	71.65	1.317
70.61	0.057	71.70	0.042	70.67	0.071	70.74	0.119	71.67	0.157	71.64	0.539	71.75	1.307
70.70	0.064	71.79	0.054	70.78	0.073	70.83	0.115	71.76	0.158	71.74	0.537	71.85	1.304
70.80	0.058	71.89	0.042	70.86	0.071	70.93	0.117	71.87	0.164	71.83	0.539	71.93	1.288
70.89	0.057	71.99	0.042	70.95	0.072	71.01	0.120	71.96	0.157	71.93	0.534	72.03	1.287
70.98	0.057	72.08	0.048	71.04	0.068	71.11	0.112	72.05	0.158	72.02	0.533	72.13	1.269
71.09	0.056	72.16	0.042	71.14	0.074	71.23	0.117	72.15	0.154	72.13	0.529	72.23	1.262
71.17	0.061	72.27	0.048	71.24	0.073	71.30	0.114	72.25	0.159	72.22	0.521	72.33	1.255

71.25	0.060	72.37	0.044	71.32	0.072	71.40	0.113	72.34	0.155	72.32	0.520	72.43	1.236
71.36	0.052	72.47	0.060	71.44	0.071	71.49	0.113	72.44	0.151	72.40	0.519	72.51	1.242
71.47	0.056	72.57	0.041	71.52	0.075	71.60	0.112	72.54	0.158	72.51	0.518	72.61	1.225
71.55	0.055	72.67	0.049	71.61	0.071	71.68	0.115	72.63	0.152	72.60	0.511	72.71	1.223
71.65	0.050	72.77	0.048	71.70	0.072	71.78	0.111	72.73	0.152	72.70	0.510	72.82	1.214
71.75	0.057	72.86	0.048	71.78	0.075	71.87	0.112	72.83	0.153	72.79	0.507	72.91	1.204
71.84	0.060	72.94	0.058	71.89	0.072	71.97	0.112	72.93	0.148	72.89	0.504	73.00	1.190
71.92	0.051	73.06	0.035	71.99	0.070	72.05	0.116	73.01	0.147	73.00	0.501	73.10	1.189
72.04	0.056	73.15	0.049	72.08	0.068	72.17	0.113	73.12	0.147	73.10	0.500	73.20	1.188
72.12	0.061	73.25	0.049	72.18	0.075	72.25	0.108	73.20	0.150	73.19	0.492	73.30	1.176
72.22	0.058	73.36	0.039	72.28	0.072	72.34	0.111	73.30	0.150	73.28	0.492	73.39	1.170
72.31	0.053	73.44	0.046	72.37	0.072	72.44	0.113	73.40	0.145	73.39	0.482	73.49	1.160
72.41	0.056	73.54	0.044	72.48	0.074	72.53	0.113	73.49	0.147	73.50	0.485	73.59	1.147
72.51	0.055	73.64	0.048	72.55	0.069	72.63	0.109	73.60	0.143	73.58	0.484	73.68	1.142
72.60	0.055	73.74	0.042	72.66	0.068	72.70	0.113	73.68	0.148	73.68	0.480	73.78	1.140
72.69	0.054	73.82	0.050	72.74	0.068	72.81	0.112	73.77	0.149	73.75	0.478	73.87	1.127
72.79	0.057	73.93	0.041	72.84	0.071	72.91	0.106	73.89	0.140	73.86	0.476	73.96	1.123
72.88	0.059	74.00	0.046	72.93	0.073	73.00	0.113	73.96	0.144	73.95	0.470	74.07	1.113
72.96	0.055	74.11	0.061	73.03	0.070	73.09	0.109	74.08	0.149	74.05	0.467	74.16	1.106
73.05	0.055	74.21	0.046	73.12	0.075	73.21	0.104	74.17	0.145	74.15	0.464	74.26	1.104
73.15	0.060	74.32	0.052	73.20	0.068	73.29	0.108	74.27	0.144	74.24	0.466	74.36	1.089
73.26	0.056	74.41	0.040	73.30	0.069	73.38	0.111	74.37	0.140	74.35	0.460	74.47	1.082
73.34	0.059	74.50	0.045	73.41	0.069	73.49	0.108	74.45	0.142	74.44	0.458	74.56	1.076
73.46	0.056	74.58	0.052	73.49	0.067	73.57	0.106	74.56	0.145	74.54	0.457	74.63	1.071
73.53	0.056	74.71	0.045	73.57	0.071	73.66	0.104	74.65	0.137	74.63	0.453	74.74	1.060
73.63	0.050	74.78	0.044	73.68	0.070	73.79	0.105	74.74	0.143	74.73	0.448	74.84	1.050
73.73	0.058	74.87	0.044	73.78	0.068	73.87	0.108	74.84	0.138	74.84	0.450	74.93	1.045
73.82	0.056	74.99	0.048	73.87	0.068	73.96	0.103	74.93	0.140	74.93	0.448	75.04	1.036
73.92	0.055	75.07	0.047	73.97	0.068	74.04	0.102	75.03	0.137	75.02	0.443	75.14	1.032
73.99	0.054	75.18	0.042	74.05	0.070	74.14	0.101	75.12	0.137	75.11	0.438	75.24	1.036
74.10	0.059	75.27	0.047	74.16	0.063	74.23	0.106	75.23	0.135	75.21	0.436	75.32	1.020
74.20	0.053	75.37	0.040	74.25	0.070	74.33	0.102	75.32	0.139	75.32	0.439	75.42	1.014
74.29	0.054	75.47	0.054	74.34	0.071	74.43	0.100	75.42	0.134	75.40	0.433	75.51	1.004
74.39	0.055	75.56	0.038	74.43	0.065	74.53	0.103	75.53	0.131	75.49	0.432	75.61	1.002
74.48	0.053	75.66	0.043	74.52	0.070	74.61	0.101	75.63	0.141	75.60	0.426	75.70	0.998
74.58	0.057	75.76	0.042	74.61	0.066	74.71	0.100	75.71	0.132	75.69	0.431	75.79	0.987
74.66	0.052	75.85	0.049	74.73	0.066	74.81	0.100	75.81	0.134	75.79	0.424	75.90	0.980
74.76	0.058	75.96	0.046	74.81	0.063	74.89	0.103	75.91	0.132	75.88	0.425	76.01	0.960
74.85	0.059	76.04	0.045	74.91	0.064	74.99	0.105	75.99	0.128	75.98	0.417	76.11	0.970
74.94	0.055	76.14	0.052	75.02	0.069	75.08	0.098	76.12	0.133	76.08	0.419	76.19	0.960
75.05	0.046	76.23	0.047	75.10	0.067	75.18	0.100	76.19	0.132	76.17	0.419	76.29	0.951
75.14	0.050	76.33	0.038	75.21	0.069	75.28	0.096	76.30	0.132	76.27	0.414	76.38	0.957

75.23	0.060	76.45	0.051	75.28	0.071	75.38	0.097	76.38	0.129	76.37	0.408	76.49	0.944
75.33	0.063	76.53	0.042	75.36	0.064	75.47	0.103	76.49	0.132	76.46	0.407	76.59	0.938
75.42	0.056	76.62	0.056	75.46	0.066	75.56	0.099	76.57	0.128	76.56	0.407	76.68	0.935
75.51	0.057	76.71	0.042	75.57	0.071	75.65	0.096	76.66	0.129	76.66	0.398	76.78	0.928
75.60	0.058	76.82	0.041	75.68	0.071	75.77	0.099	76.77	0.133	76.75	0.398	76.88	0.920
75.70	0.051	76.91	0.042	75.78	0.064	75.86	0.095	76.87	0.125	76.86	0.399	76.97	0.913
75.81	0.054	77.02	0.047	75.86	0.068	75.94	0.099	76.97	0.127	76.95	0.392	77.07	0.907
75.89	0.064	77.12	0.053	75.94	0.063	76.04	0.098	77.05	0.124	77.04	0.393	77.15	0.908
76.00	0.061	77.19	0.041	76.04	0.066	76.12	0.098	77.16	0.125	77.15	0.398	77.26	0.900
76.08	0.054	77.28	0.047	76.12	0.062	76.23	0.093	77.25	0.124	77.22	0.391	77.34	0.896
76.17	0.059	77.40	0.053	76.21	0.061	76.32	0.092	77.36	0.130	77.34	0.389	77.46	0.880
76.26	0.056	77.49	0.050	76.31	0.060	76.40	0.097	77.45	0.126	77.43	0.387	77.55	0.878
76.36	0.060	77.57	0.041	76.40	0.066	76.51	0.096	77.54	0.119	77.53	0.387	77.64	0.864
76.45	0.051	77.67	0.042	76.51	0.067	76.60	0.098	77.64	0.128	77.63	0.382	77.72	0.868
76.54	0.057	77.77	0.048	76.60	0.061	76.68	0.098	77.72	0.123	77.73	0.373	77.83	0.862
76.62	0.062	77.88	0.039	76.70	0.068	76.80	0.094	77.83	0.120	77.81	0.378	77.93	0.859
76.71	0.055	77.96	0.054	76.80	0.067	76.87	0.095	77.92	0.124	77.93	0.374	78.04	0.852
76.81	0.054	78.06	0.044	76.91	0.063	76.97	0.093	78.02	0.124	78.01	0.375	78.12	0.848
76.90	0.056	78.16	0.052	76.98	0.064	77.08	0.096	78.11	0.122	78.11	0.367	78.20	0.844
76.99	0.059	78.25	0.048	77.09	0.064	77.16	0.095	78.21	0.122	78.20	0.370	78.32	0.836
77.11	0.058	78.35	0.046	77.18	0.063	77.26	0.096	78.31	0.120	78.30	0.369	78.42	0.827
77.19	0.063	78.44	0.038	77.30	0.063	77.37	0.093	78.41	0.121	78.40	0.363	78.52	0.828
77.29	0.058	78.55	0.047	77.37	0.062	77.47	0.094	78.50	0.126	78.49	0.364	78.60	0.822
77.39	0.054	78.65	0.039	77.47	0.062	77.56	0.092	78.61	0.120	78.59	0.364	78.71	0.815
77.48	0.051	78.75	0.056	77.56	0.064	77.65	0.093	78.70	0.122	78.68	0.363	78.80	0.812
77.58	0.054	78.85	0.037	77.66	0.066	77.74	0.092	78.79	0.124	78.79	0.360	78.90	0.803
77.67	0.050	78.93	0.050	77.76	0.062	77.84	0.093	78.89	0.118	78.87	0.358	79.00	0.800
77.76	0.056	79.05	0.040	77.84	0.063	77.92	0.095	78.99	0.122	78.97	0.353	79.10	0.797
77.86	0.056	79.14	0.046	77.95	0.067	78.04	0.087	79.08	0.117	79.08	0.357	79.19	0.785
77.95	0.052	79.23	0.039	78.04	0.063	78.13	0.092	79.17	0.113	79.17	0.354	79.28	0.785
78.05	0.051	79.32	0.041	78.12	0.063	78.20	0.090	79.27	0.112	79.25	0.345	79.39	0.783
78.15	0.049	79.42	0.043	78.20	0.063	78.33	0.090	79.37	0.122	79.37	0.348	79.48	0.774
78.24	0.059	79.51	0.047	78.31	0.059	78.41	0.093	79.48	0.118	79.45	0.344	79.57	0.771
78.32	0.056	79.60	0.055	78.39	0.057	78.51	0.091	79.56	0.111	79.55	0.347	79.67	0.765
78.43	0.059	79.70	0.051	78.49	0.063	78.60	0.086	79.66	0.113	79.64	0.341	79.77	0.762
78.53	0.054	79.81	0.034	78.60	0.059	78.68	0.093	79.75	0.114	79.74	0.342	79.86	0.757
78.61	0.052	79.92	0.052	78.70	0.059	78.79	0.093	79.86	0.116	79.84	0.341	79.95	0.755
78.72	0.056	79.99	0.051	78.78	0.068	78.88	0.089	79.95	0.111	79.93	0.332	80.05	0.748
78.80	0.052	80.08	0.041	78.88	0.062	78.96	0.090	80.05	0.119	80.03	0.332	80.13	0.744
78.91	0.053	80.14	0.040	78.96	0.064	79.08	0.089	80.12	0.109	80.11	0.340	80.17	0.751
79.00	0.051	80.17	0.041	79.06	0.062	79.16	0.090	80.16	0.109	80.16	0.332	80.17	0.743
79.08	0.058	80.20	0.042	79.15	0.063	79.24	0.088	80.19	0.110	80.20	0.335	80.20	0.736

79.19	0.046	80.21	0.050	79.25	0.059	79.34	0.090	80.21	0.112	80.22	0.336	80.21	0.741
79.27	0.054	80.23	0.041	79.36	0.064	79.43	0.088	80.23	0.114	80.22	0.331	80.20	0.746
79.38	0.060	80.22	0.034	79.45	0.060	79.52	0.090	80.23	0.116	80.23	0.335	80.19	0.741
79.48	0.054	80.24	0.058	79.55	0.070	79.62	0.088	80.23	0.113	80.23	0.329	80.19	0.744
79.58	0.055	80.21	0.038	79.64	0.060	79.72	0.089	80.22	0.115	80.23	0.333	80.16	0.744
79.66	0.057	80.22	0.047	79.71	0.062	79.81	0.085	80.20	0.116	80.20	0.336	80.15	0.752
79.77	0.052	80.20	0.052	79.83	0.062	79.90	0.087	80.18	0.114	80.20	0.334	80.11	0.746
79.86	0.052	80.16	0.038	79.93	0.064	80.00	0.083	80.15	0.113	80.16	0.332	80.08	0.748
79.95	0.054	80.16	0.044	80.02	0.060	80.08	0.085	80.13	0.114	80.15	0.334	80.06	0.754
80.05	0.059	80.13	0.048	80.10	0.061	80.14	0.089	80.11	0.116	80.12	0.341	80.05	0.751
80.11	0.053	80.09	0.040	80.15	0.058	80.16	0.086	80.09	0.114	80.10	0.336	80.03	0.747
80.15	0.060	80.09	0.051	80.19	0.064	80.19	0.085	80.07	0.114	80.08	0.338	80.03	0.751
80.18	0.052	80.06	0.039	80.22	0.061	80.20	0.086	80.06	0.119	80.06	0.338	80.01	0.747
80.20	0.052	80.04	0.038	80.22	0.068	80.20	0.087	80.03	0.114	80.03	0.339	79.99	0.755
80.22	0.058	80.02	0.045	80.23	0.058	80.18	0.086	80.01	0.114	80.01	0.343	79.99	0.746
80.22	0.058	80.02	0.047	80.22	0.058	80.18	0.088	80.01	0.113	80.00	0.336	79.97	0.751
80.22	0.054	79.98	0.058	80.21	0.057	80.15	0.084	80.00	0.113	80.00	0.338	79.98	0.752
80.22	0.055	79.99	0.034	80.20	0.060	80.13	0.088	79.99	0.118	79.99	0.336	79.97	0.745
80.19	0.059	79.98	0.047	80.20	0.066	80.12	0.087	79.98	0.116	79.99	0.346	79.97	0.759
80.17	0.060	79.97	0.034	80.16	0.060	80.09	0.087	79.98	0.115	79.96	0.343	79.96	0.751
80.15	0.048	79.98	0.060	80.14	0.063	80.08	0.089	79.97	0.117	79.97	0.339	79.96	0.745
80.13	0.055	79.96	0.033	80.11	0.059	80.07	0.090	79.98	0.112	79.97	0.337	79.97	0.748
80.11	0.055	79.98	0.040	80.08	0.063	80.04	0.084	79.98	0.111	79.97	0.339	79.98	0.754
80.09	0.054	79.97	0.051	80.08	0.061	80.02	0.086	79.97	0.116	79.96	0.339	80.00	0.755
80.07	0.055	79.98	0.040	80.05	0.061	80.00	0.085	79.98	0.115	79.96	0.340	79.98	0.753
80.05	0.053	79.97	0.061	80.03	0.060	79.99	0.087	79.97	0.115	79.98	0.341	80.00	0.754
80.04	0.057	79.97	0.027	80.02	0.064	79.99	0.086	79.99	0.116	79.98	0.337	80.01	0.751
80.02	0.053	79.98	0.044	80.00	0.061	79.99	0.089	79.98	0.116	79.99	0.339	79.99	0.747
80.01	0.058	80.01	0.042	80.00	0.062	79.97	0.089	79.99	0.119	80.00	0.342	80.01	0.746
80.01	0.057	79.99	0.052	79.98	0.063	79.98	0.088	80.00	0.118	79.99	0.340	80.00	0.753
80.00	0.048	79.98	0.034	79.99	0.063	79.97	0.086	79.99	0.112	80.00	0.342	80.00	0.745
79.99	0.053	79.99	0.050	79.97	0.062	79.99	0.087	80.00	0.118	80.00	0.340	79.99	0.748
79.99	0.055	80.01	0.037	79.96	0.067	79.98	0.090	80.00	0.115	80.00	0.342	80.00	0.750
79.97	0.047	80.01	0.047	79.96	0.062	79.99	0.083	80.00	0.112	80.01	0.340	80.01	0.741
79.99	0.055	80.02	0.047	79.96	0.060	79.99	0.090	80.02	0.113	80.01	0.337	80.02	0.752
79.98	0.059	80.01	0.044	79.97	0.058	79.98	0.090	80.00	0.116	80.02	0.341	80.02	0.754
79.98	0.053	80.01	0.048	79.97	0.065	79.98	0.084	80.01	0.114	80.02	0.340	80.00	0.744
79.97	0.050	80.02	0.045	79.99	0.060	80.00	0.087	80.02	0.112	80.02	0.344	80.00	0.758
79.99	0.053	80.00	0.045	79.99	0.063	79.98	0.089	80.01	0.118	80.01	0.337	80.01	0.745
79.98	0.060	80.00	0.043	79.98	0.060	79.98	0.085	80.01	0.121	80.01	0.344	80.00	0.746
79.99	0.058	80.00	0.041	79.98	0.059	79.99	0.092	80.01	0.113	80.02	0.339	80.01	0.751
79.99	0.053	80.00	0.040	79.98	0.063	79.99	0.089	80.00	0.115	80.02	0.339	80.01	0.745

80.00	0.057	80.00	0.052	80.00	0.059	80.00	0.085	80.02	0.116	80.01	0.341	80.01	0.743
80.00	0.057	79.99	0.044	79.99	0.065	80.00	0.092	80.00	0.113	80.01	0.335	80.00	0.752
79.99	0.054	80.02	0.038	79.99	0.063	80.02	0.085	80.00	0.115	80.01	0.340	80.00	0.753
79.99	0.057	80.01	0.046	80.02	0.065	80.01	0.082	80.00	0.118	80.01	0.338	79.99	0.754
80.01	0.056	80.00	0.038	80.00	0.065	80.01	0.086	80.01	0.114	80.01	0.335	80.01	0.749
80.01	0.058	80.01	0.047	80.01	0.060	80.00	0.088	80.01	0.111	80.01	0.338	79.99	0.743
80.01	0.054			80.03	0.056	80.00	0.087	80.01	0.112	80.00	0.335		
80.01	0.051			80.02	0.064	80.02	0.093						
80.01	0.052			80.01	0.061	80.01	0.083						
80.00	0.052			80.02	0.062	80.01	0.088						
80.02	0.058			80.01	0.058	80.00	0.086						
80.02	0.050			80.01	0.062	80.01	0.089						
80.01	0.051			80.03	0.057	80.00	0.088						
80.01	0.056			80.01	0.059	80.01	0.085						
80.01	0.051			80.01	0.057	80.01	0.086						
80.00	0.050			80.01	0.063	80.01	0.086						
80.01	0.055			80.02	0.064	80.01	0.087						
80.00	0.059			80.02	0.059	80.00	0.084						
80.00	0.054			80.03	0.066	80.01	0.082						
80.00	0.054			80.02	0.062								
80.01	0.051												

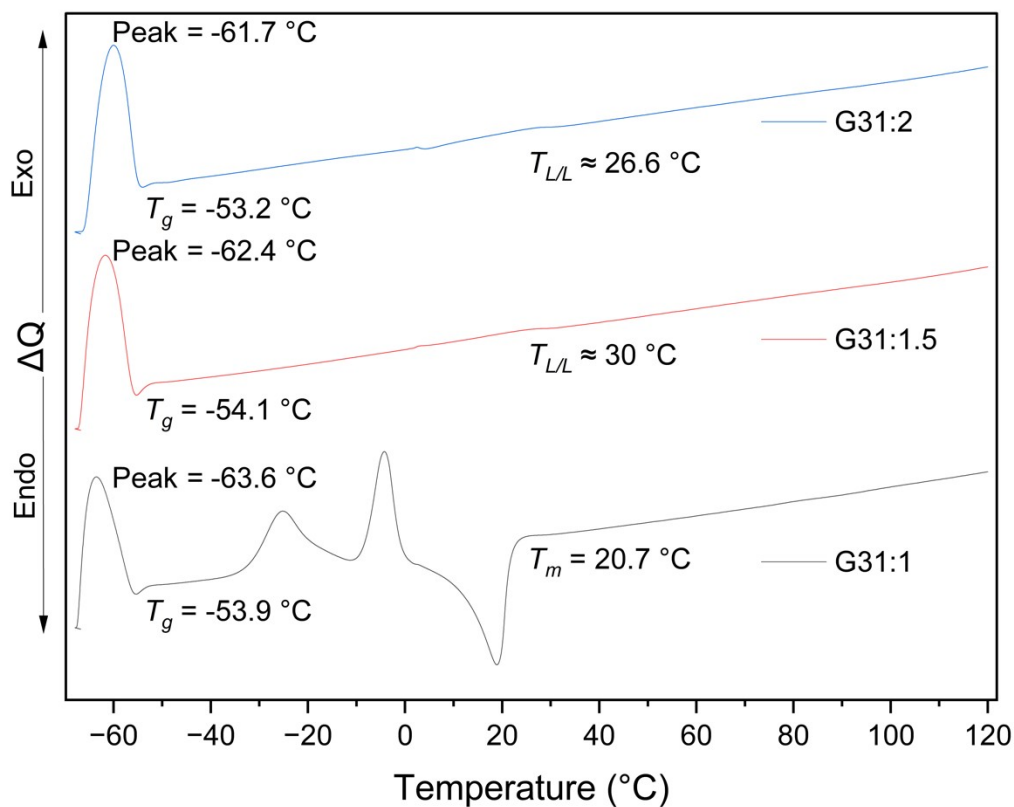


Fig S17. DSC trace of G3-1:1, G3-1:1.5 and G3-1:2 samples on the heating cycle from -70 °C.

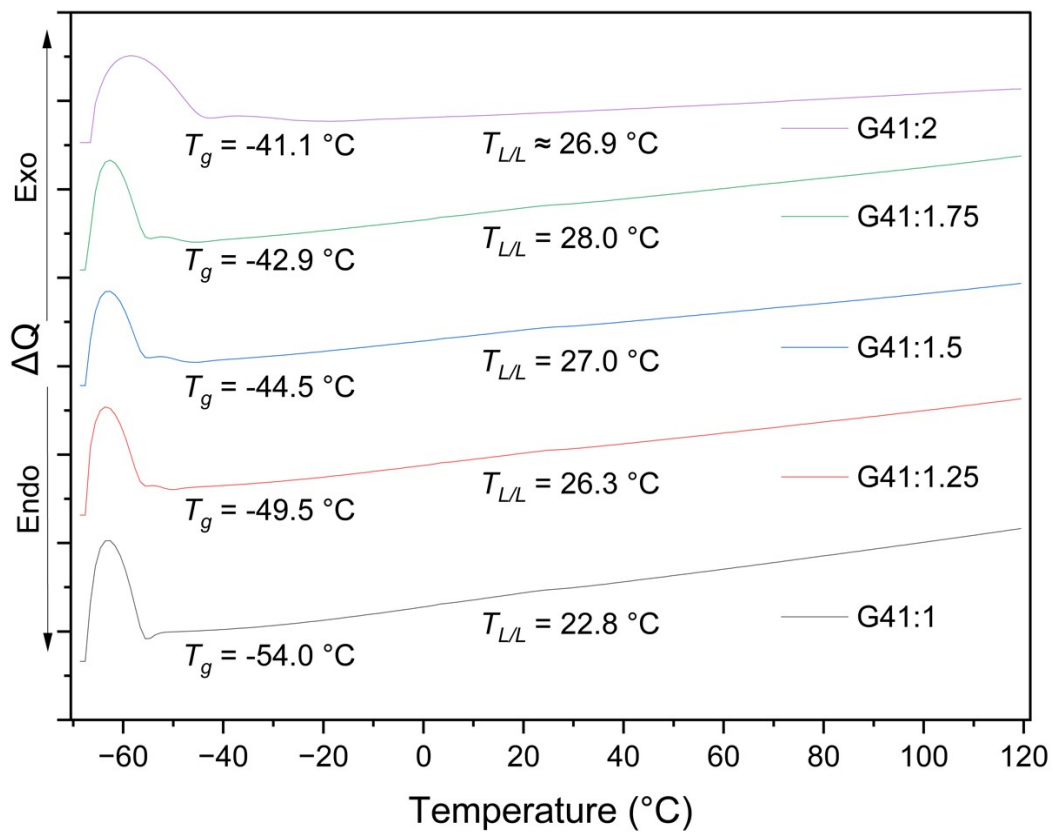


Fig S18. DSC trace of G4-1:1, G4-1:1.25, G4-1:1.5, G4-1:1.75 and G4-1:2 on the heating cycle from -70 °C.

Table S14. T_d (°C) values for SIL samples.

Ether:LiTFSI	T_d (°C)
G3-1:1	212.1
G3-1:1.5	242.0
G3-1:2	268.3
G3-1:2.5	279.5
G3-1:3	290.7
G3-1:3.5	312.6
G3-1:4	328.0
G4-1:1	204.5
G4-1:1.25	227.4
G4-1:1.5	254.2
G4-1:1.75	266.4
G4-1:2	272.4
G4-1:2.5	307.1
G4-1:3	316.1

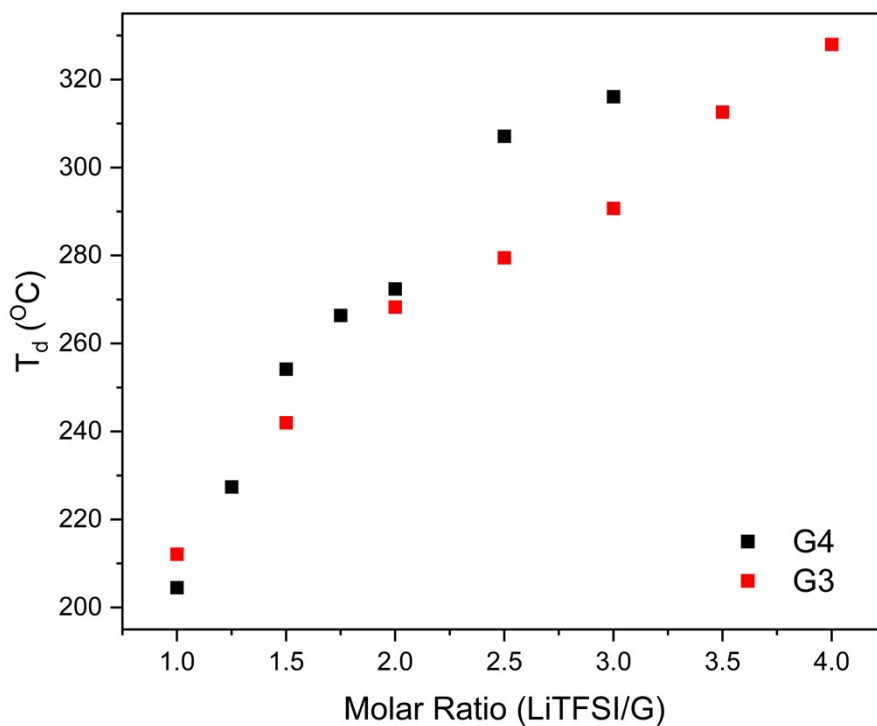


Fig S19. Plot without connecting lines, presented to avoid misleading false cusps line connected point graphs, showing T_d °C for G3 and G4 samples.

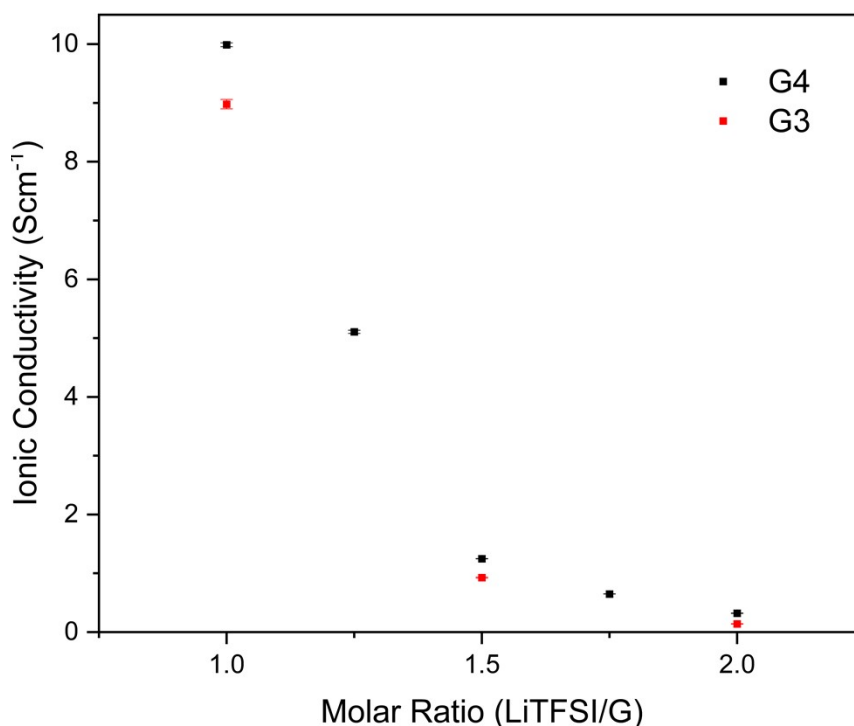


Fig S20. Plot without connecting lines, presented to avoid misleading false cusps line connected point graphs. Ionic conductivity values with standard error for G3&G4-1:1 through to 1:2 SIL samples.

Table S15. Average SIL ionic conductivity values, with calculated standard deviation & standard error.

Ether:LiTFSI	$\bar{\delta}$ Average (S cm ⁻¹)	Standard Deviation	Standard Error
G3-1:1	8.98×10^0	2.44×10^{-1}	8.13×10^{-2}
G3-1:1.5	9.28×10^{-1}	2.78×10^{-2}	9.28×10^{-3}
G3-1:2	1.40×10^{-1}	8.15×10^{-3}	2.72×10^{-3}
G4-1:1	9.99×10^0	2.92×10^{-1}	3.25×10^{-2}
G4-1:1.25	5.11×10^0	2.40×10^{-1}	2.67×10^{-2}
G4-1:1.5	1.25×10^0	1.58×10^{-2}	1.75×10^{-3}
G4-1:1.75	6.48×10^{-1}	2.35×10^{-2}	2.61×10^{-3}
G4-1:2	3.20×10^{-1}	1.99×10^{-2}	2.21×10^{-3}

Table S16. G4 SIL ionic conductivity and raw resistance values obtained from EIS measurements.

Sample	Test No.	Resistance (Ohm) by EIS	$\bar{\delta}$ (S cm ⁻¹)
G4 1:1	1	909	10.65
G4 1:1	2	836	9.68
G4 1:1	3	919	9.68
G4 1:1	4	911	9.77
G4 1:1	5	904	9.85
G4 1:1	6	899	9.90
G4 1:1	7	888	10.02
G4 1:1	8	878	10.14
G4 1:1	9	871	10.22
G4 1:1.25	1	1588	5.60
G4 1:1.25	2	1675	5.31
G4 1:1.25	3	1702	5.23

G4 1:1.25	4	1703	5.23
G4 1:1.25	5	1772	5.02
G4 1:1.25	6	1810	4.92
G4 1:1.25	7	1815	4.90
G4 1:1.25	8	1829	4.87
G4 1:1.25	9	1828	4.87
G4 1:1.5	1	7303	1.22
G4 1:1.5	2	7150	1.24
G4 1:1.5	3	7065	1.26
G4 1:1.5	4	7082	1.26
G4 1:1.5	5	6925	1.29
G4 1:1.5	6	7157	1.24
G4 1:1.5	7	7333	1.21
G4 1:1.5	8	7190	1.24
G4 1:1.5	9	6938	1.28
G4 1:1.75	1	14431	0.62
G4 1:1.75	2	13833	0.64
G4 1:1.75	3	13767	0.65
G4 1:1.75	4	13719	0.65
G4 1:1.75	5	13580	0.66
G4 1:1.75	6	13735	0.65
G4 1:1.75	7	13862	0.64
G4 1:1.75	8	13698	0.65
G4 1:1.75	9	13053	0.68
G4 1:2	1	28557	0.31
G4 1:2	2	29596	0.30
G4 1:2	3	29537	0.30
G4 1:2	4	29311	0.30
G4 1:2	5	28519	0.31
G4 1:2	6	27723	0.32
G4 1:2	7	26944	0.33
G4 1:2	8	26321	0.34
G4 1:2	9	24397	0.36

Table S17. G3 SIL ionic conductivity and raw resistance values obtained from EIS measurements.

Sample	Test No.	Resistance	
		(Ohm) by EIS	δ (S cm ⁻¹)
G3 1:1	1	930	9.570
G3 1:1	2	969	9.185
G3 1:1	3	987	9.017
G3 1:1	4	994	8.954
G3 1:1	5	999	8.909

G3 1:1	6	1010	8.812
G3 1:1	7	1013	8.786
G3 1:1	8	1015	8.768
G3 1:1	9	1010	8.812
G3 1:1.5	1	9161	0.972
G3 1:1.5	2	9803	0.908
G3 1:1.5	3	10127	0.879
G3 1:1.5	4	9815	0.907
G3 1:1.5	5	9706	0.917
G3 1:1.5	6	9675	0.920
G3 1:1.5	7	9454	0.941
G3 1:1.5	8	9403	0.947
G3 1:1.5	9	9260	0.961
G3 1:2	1	70346	0.127
G3 1:2	2	69159	0.129
G3 1:2	3	64343	0.138
G3 1:2	4	63365	0.140
G3 1:2	5	63000	0.141
G3 1:2	6	62861	0.142
G3 1:2	7	62122	0.143
G3 1:2	8	58860	0.151
G3 1:2	9	58519	0.152

Table S18. Linear line of best fit equations, for G4 ionic conductivity values, used to extrapolate the increased % of LiTFSI that can be added to G4 while maintaining the same ionic conductivity as G3-1:1 (8.98 S cm⁻¹).

Line of Best Fit Data Points	Line of Best Fit Equation	Extrapolated G4		R ²
		LiTFSI ratio. y= G3-1:1 δ	Additional % of LiTFSI in ratio	
G4 1:1, 1:1.25 & 1:1.5	y=-4.3702x +14.189	1.19	19%	0.995
G4 1:1 to 1:1.5	y=-8.7404x +18.73	1.12	12%	1
G4 1:1 to 1:1.25	y=-4.8839x +14.874	1.21	21%	1

Molecular Dynamics Methodology and Simulation Details

All the simulations were conducted in the GROMACS software package.¹ The G3 and G4 molecules were modelled using the optimized potentials for liquid simulations all-atom (OPLS-AA) force field.² The Li(TFSI) was modelled using the force field based on OPLS-AA developed by Canongia-Lopes and Pádua *et al.*³⁻⁶ The charges of all atoms in the ionic species – Li⁺ and TFSI⁻ - were scaled down by a factor of 0.8 which is in-line with recent work by Thum *et al.* finding that lithium-glyme coordination is stronger than previously predicted.⁵ The Nosé-Hoover thermostat^{7,8} (coupling constant of 0.2 ps) and the Berendsen barostat⁹ (coupling constant of 1.0 ps and compressibility of $4.5 \times 10^{-5} \text{ bar}^{-1}$) were used to control the temperature and pressure respectively. A timestep of 1 fs was used for all equilibration and production runs and trajectories were written every 1 ps. A leap-frog integrator was used for the integration of Newton's equations of motion. Linear constraint solver (LINCS) algorithm¹⁰ was used to constrain the hydrogen bonds. Coulomb and van der Waals cut-offs were set to 1.6 nm. Coulombic interactions beyond the cut-off were handled using the particle mesh Ewald (PME) method.^{11,12}

Packmol was used to randomly pack 100 G3, 100 Li⁺ and 100 TFSI⁻ into a large low-density simulation cell for the G3-1:1 system.¹³ Similarly, 100 G4, 100 Li⁺ and 100 TFSI⁻ made up the G4-1:1 system and 100 G4, 125 Li⁺ and 125 TFSI⁻ were packed into a cell for the G4-1:1.25 system.

These cell contents were minimised within GROMACS using the steepest descent algorithm. After this, the cells were subjected to high pressure to get rid of any holes and achieve a liquid density. This was done using constant temperature and pressure simulations (*NPT*) with 100 bar of pressure for 2 ns at 298.15 K. After this, *NPT* equilibration was done for 30 ns at 1 bar until a stable density was obtained. The densities obtained at this step were 1.457 g cm⁻³, 1.398 g cm⁻³ and 1.468 g cm⁻³ for G3-1:1, G4-1:1 and G4-1:1.25 respectively. These reproduce experimental densities reported in the literature of 1.46 g cm⁻³ and 1.40 g cm⁻³ for G3-1:1 and G4-1:1 successfully.¹⁴

The samples were then annealed to adequately mix the contents by heating up from 298.15 K to 1000 K in 200 ps, holding the temperature at 1000 K for 2.5 ns and cooling down to 298.15 K in 500 ps. The temperature was kept at 298.15 K for 200 ps during which radial distribution functions (RDFs) were collected over 200 frames. This cycle was repeated until two consecutive RDFs looked consistent with each other. This meant that the annealing was cycled 8 times. The final frame was then used for a 5 ns *NVT* production run. G4-1:1 and G4-1:1.25 were also repeated at higher temperatures of 500 K and 700 K. We conducted analysis of coordination numbers (CN), denticity of the G3 and G4 and coordination of TFSI⁻ to lithium using in-house python codes and radial distribution functions using GROMACS analysis modules. The coordination number histograms were calculated using atom-atom cut-offs which were taken from the first minimum of the RDF for the respective atoms. The cut-offs used were 2.9 Å for both Li- O(TFSI) and Li-O(G3/G4). The RDFs and distribution of coordination numbers (CN) are shown below in Fig. S21 and S22. The CN of TFSI⁻ to lithium ions is shown in Fig. S23. The trajectories were visualised using the Visual Molecular Dynamics software (VMD).¹⁵

The self-diffusion coefficients D_A are calculated using the Einstein relation shown in equation (1).

$$\lim_{t \rightarrow \infty} \langle \|r_i(t + \Delta t) - r_i(t)\|^2 \rangle_{i \in A} = 6D_A t \quad (1)$$

Here, $\langle \|r_i(t + \Delta t) - r_i(t)\|^2 \rangle$ is the distance an atom or molecule has travelled over time, Δt , also known as the mean square displacement (MSD). This is averaged over all starting times t and over all atoms or molecules of the same type. The slope of the plot of MSD as a function of time yields D_A . These values were calculated for Li⁺, N(TFSI) and O(G4) and are shown in Table S19.

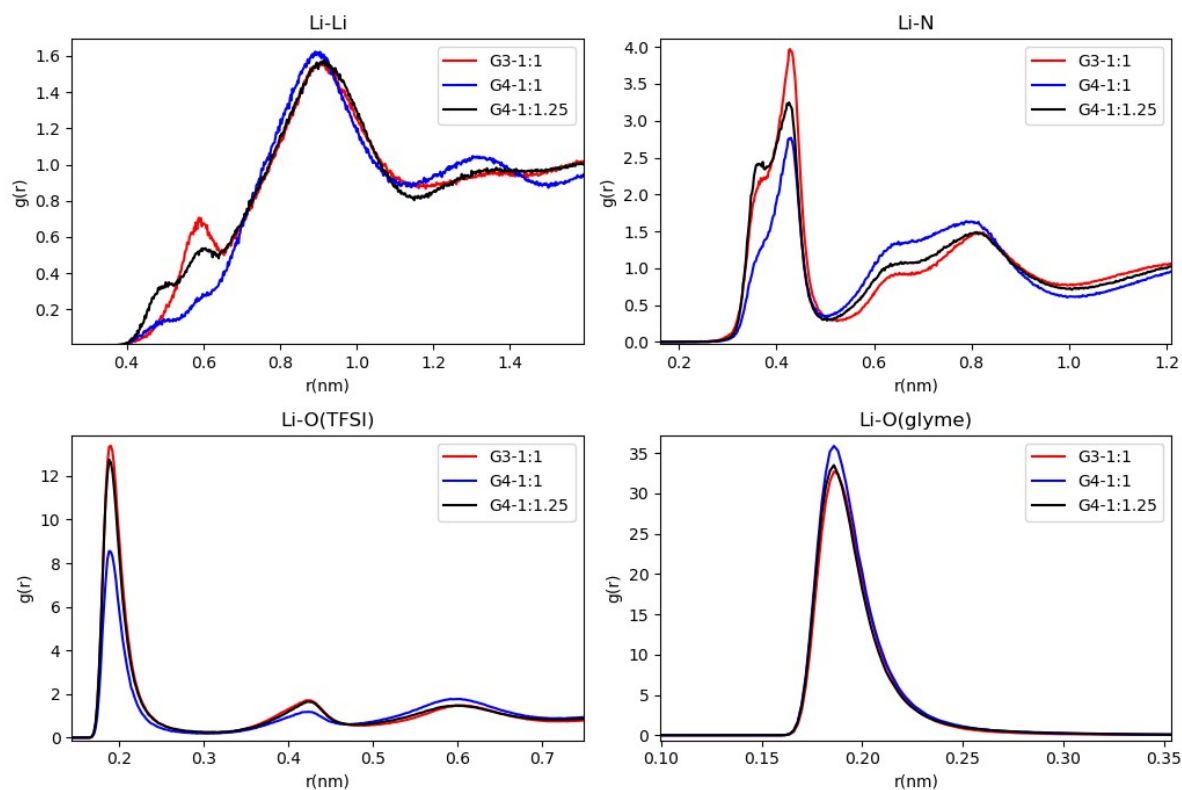


Fig S21. Radial distribution functions of G3-1:1, G4-1:1 and G4-1:1.25. The atom-atom selections are in the title of each of the plots.

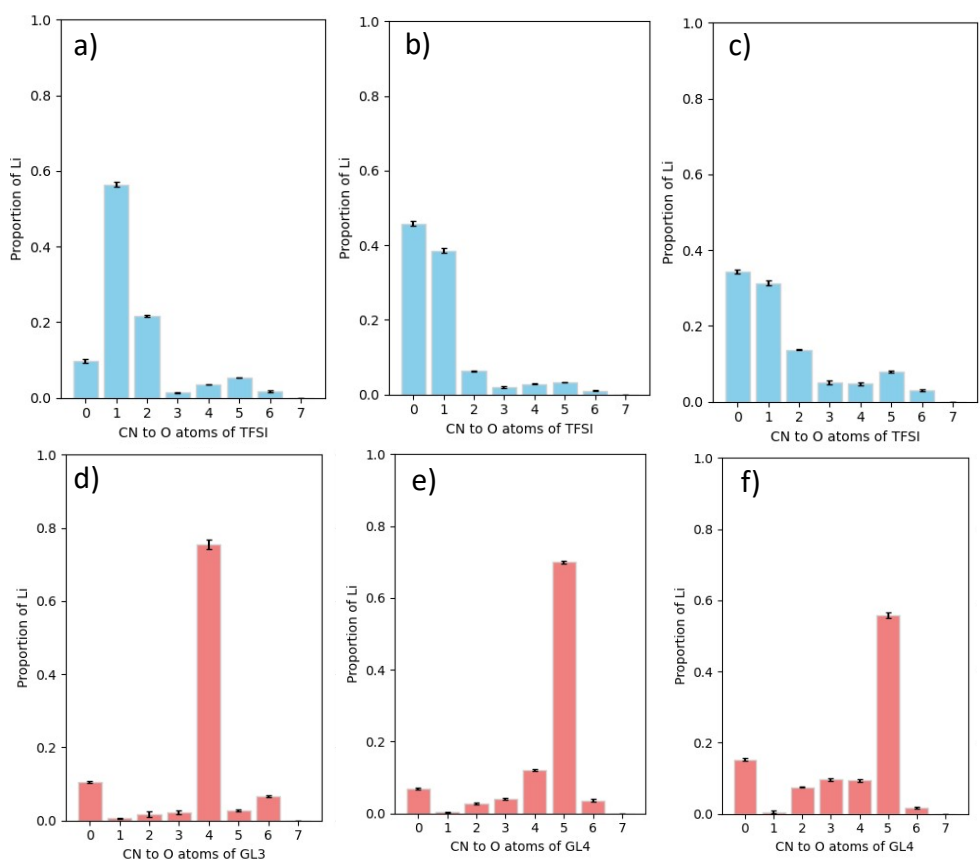


Fig S22. Coordination number distributions of Li-O(TFSI) are in (a), (b) and (c). Coordination number distributions of Li-O(glyme) are in (d), (e) and (f). (a) and (d) are coordination number distribution histograms for G3-1:1. (b)

and (e) are coordination number distribution histograms for G4-1:1. (c) and (f) are coordination number distribution histograms for G4-1:1.25.

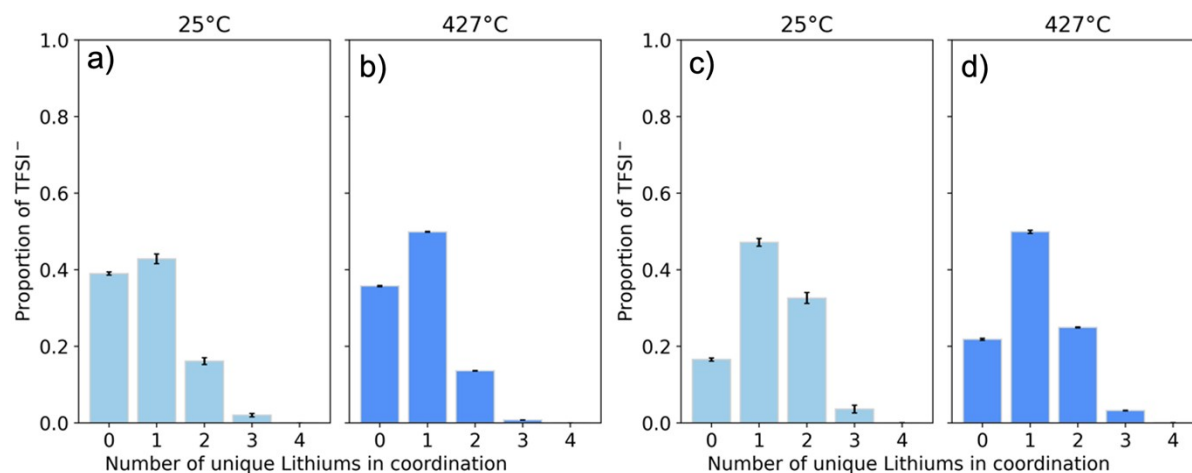


Fig S23. (a) and (b) are histograms showing the distribution of coordination number of TFSI⁻ to single lithium ions in G4-1:1 at the respective temperatures of 227 °C and 427 °C. (c) and (d) are histograms showing the coordination number distribution of TFSI⁻ to single lithium ions in G4-1:1.25 at the respective temperatures of 227 °C and 427 °C.

Table S19. Self-diffusion coefficients of Li⁺, [TFSI]⁻ and O(G4) in G4-1:1 in 10⁻⁷ cm² s⁻¹

Temperature (°C)	D(Li ⁺)	D(N(TFSI) ⁻)	D(O(G4))
<i>MD simulations – this paper</i>			
227	52.02 (±1.06)	56.63 (±3.23)	53.10 (±1.46)
427	96.16 (±16.02)	113.12 (±6.56)	96.69 (±10.69)
<i>MD simulations – Thum et al.¹⁶</i>			
227	53	59	54
<i>MD simulations – Dong and Bedrov.¹⁷</i>			
30	0.41	0.40	0.41
80	0.32	0.36	0.39
<i>Experiments – this paper</i>			
30	1.01	1.04	0.87
80	27.90	7.08	6.33
<i>Experiments – Zhang et al.¹⁸</i>			
30	1.26	1.22	1.26
<i>Experiments – Yoshida et al.¹⁹</i>			
30	1.31	1.22	1.29
80	9.26	9.54	8.98

¹⁶OPLS-AA force field for G4 and Canongia-Lopes and Pádua's force field for the ions with scaled charges.

¹⁷Atomistic Polarizable Potential for Liquids, Electrolytes and Polymers (APPLE&P) force field.

¹⁸Pulsed-field gradient spin echo (PGSE) NMR

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