Supporting information for

Polymer Genome: A Data-Powered Polymer Informatics Platform for Property Predictions

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Figure S1. Learning curves constructed from the RMSE of the machine learning models. For each model, data was obtained from 100 independent runs.

Figure S2. Building blocks implemented in Polymer Genome for constructing polymer repeat units

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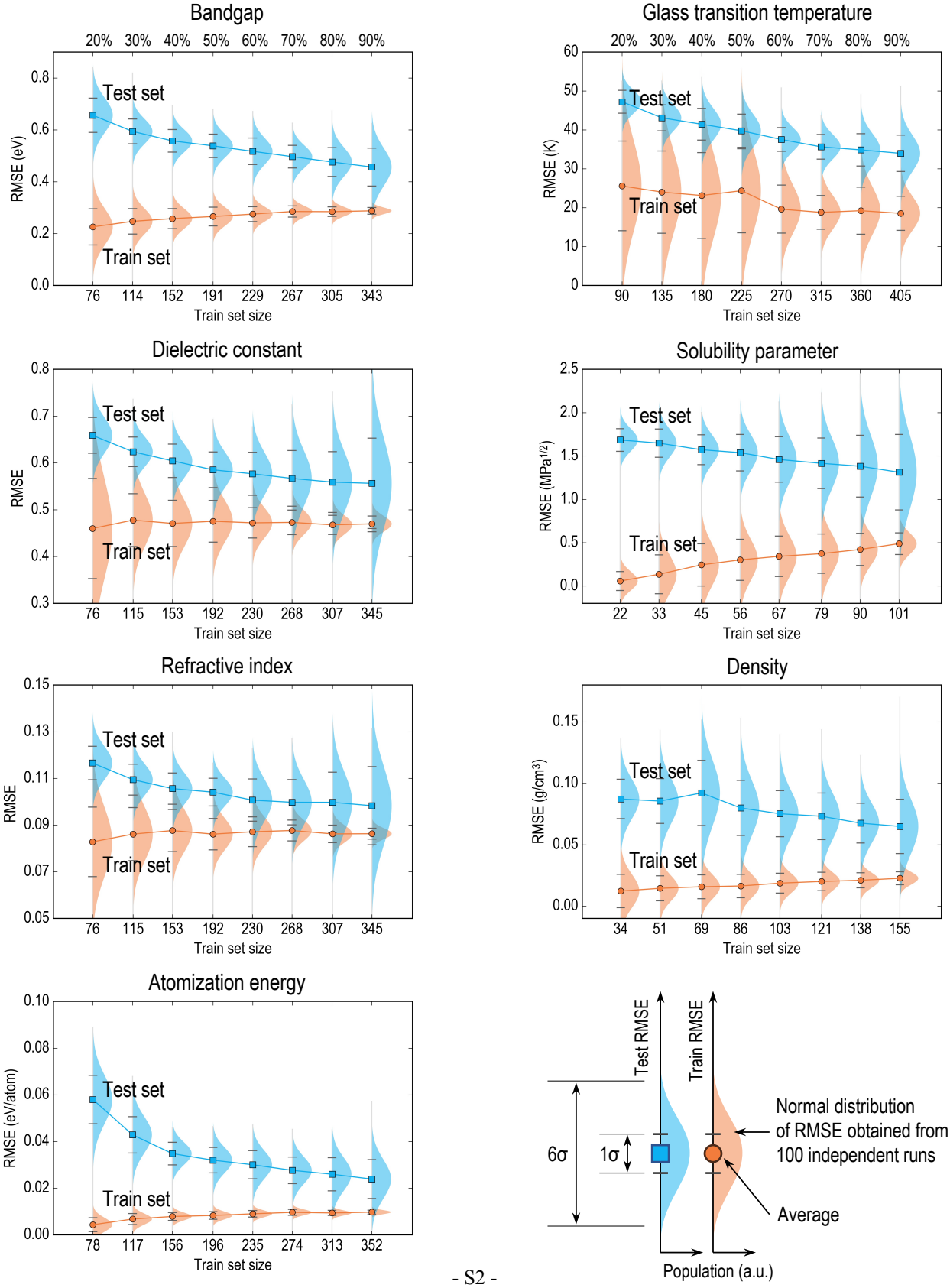
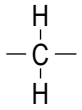
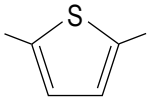
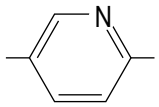
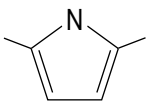
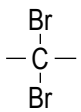
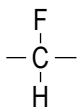
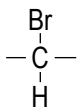
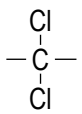
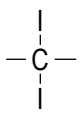
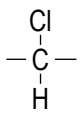
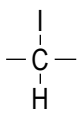


Figure S2. Building blocks implemented in Polymer Genome for constructing polymer repeat units

Chemical formula	Geometry	Chemical formula	Geometry
-CH2-		**-O-**	
***-CH-**		**-C6H4-**	
-CS-		**-C4H2S-**	
-CO-		**-C5H3N-**	
-NH-		**-C4H3N-**	
-CF2-		**-CBr2-**	
***-CF-**		***-CBr-**	
-CHF-		**-CBrH-**	
-CCl2-		**-CI2-**	
***-CCl-**		***-CI-**	
-CClH-		**-CIH-**	

*Must be paired for forming a double bond