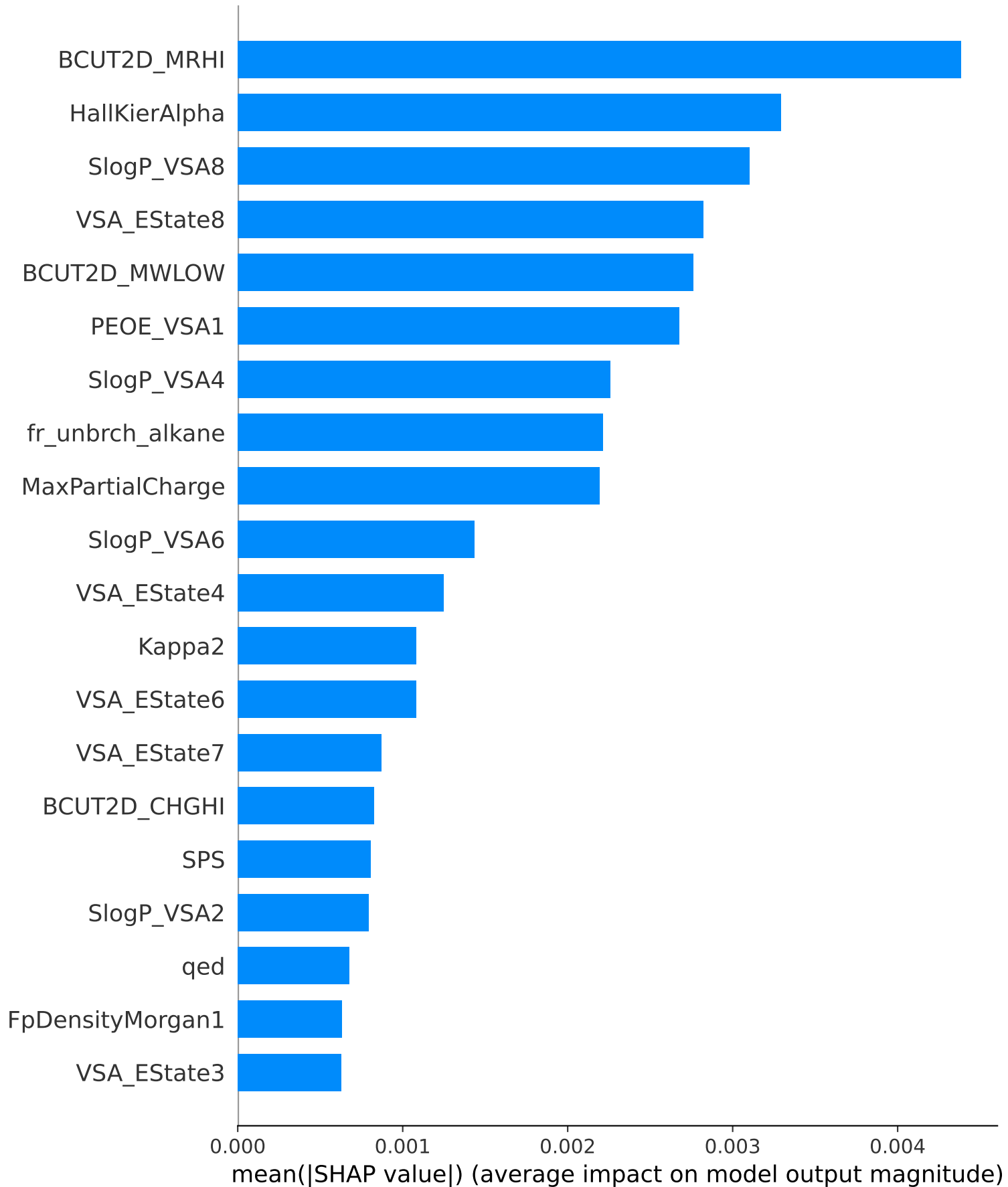
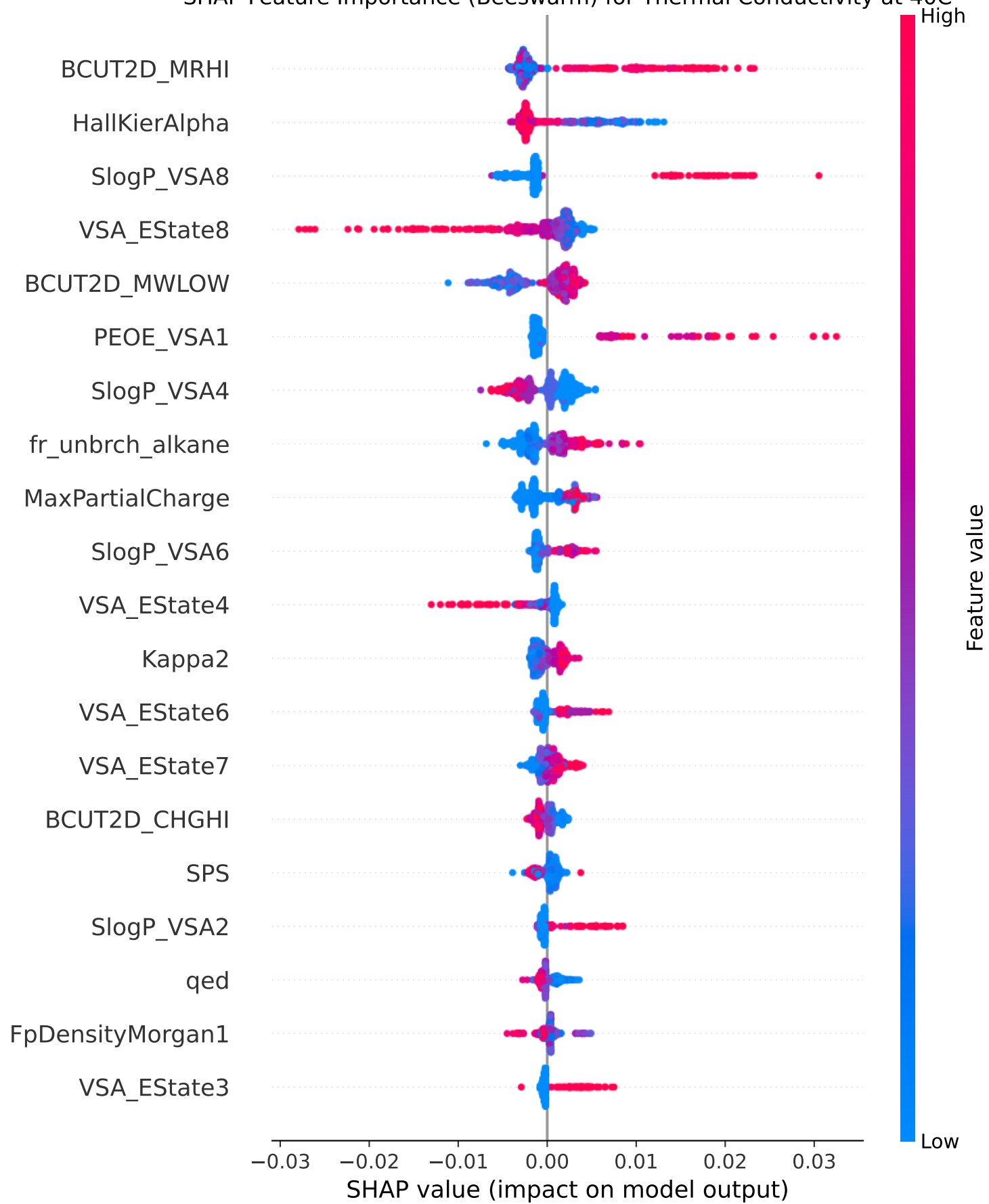
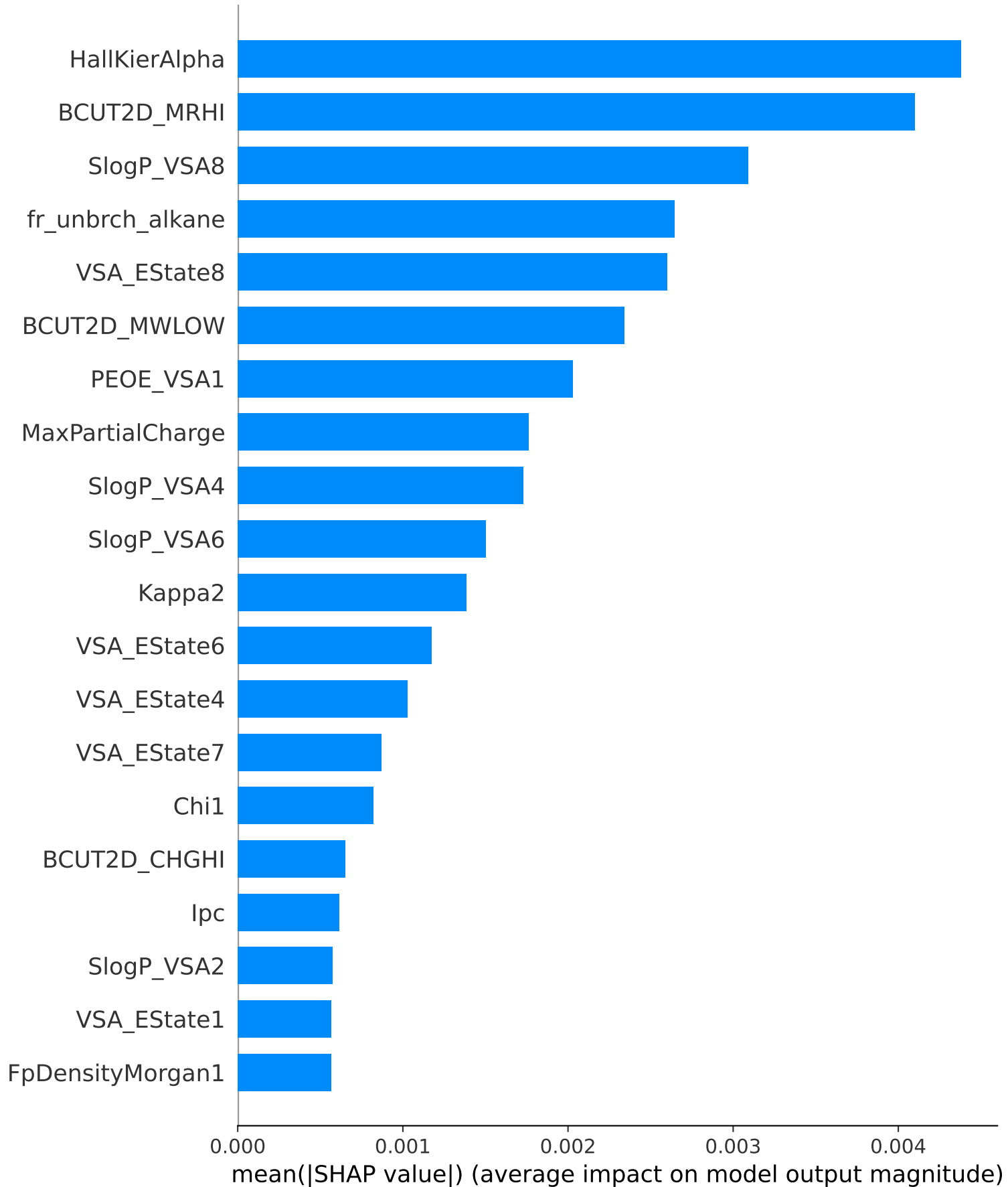


SHAP Feature Importance (Bar) for Thermal Conductivity at 40C

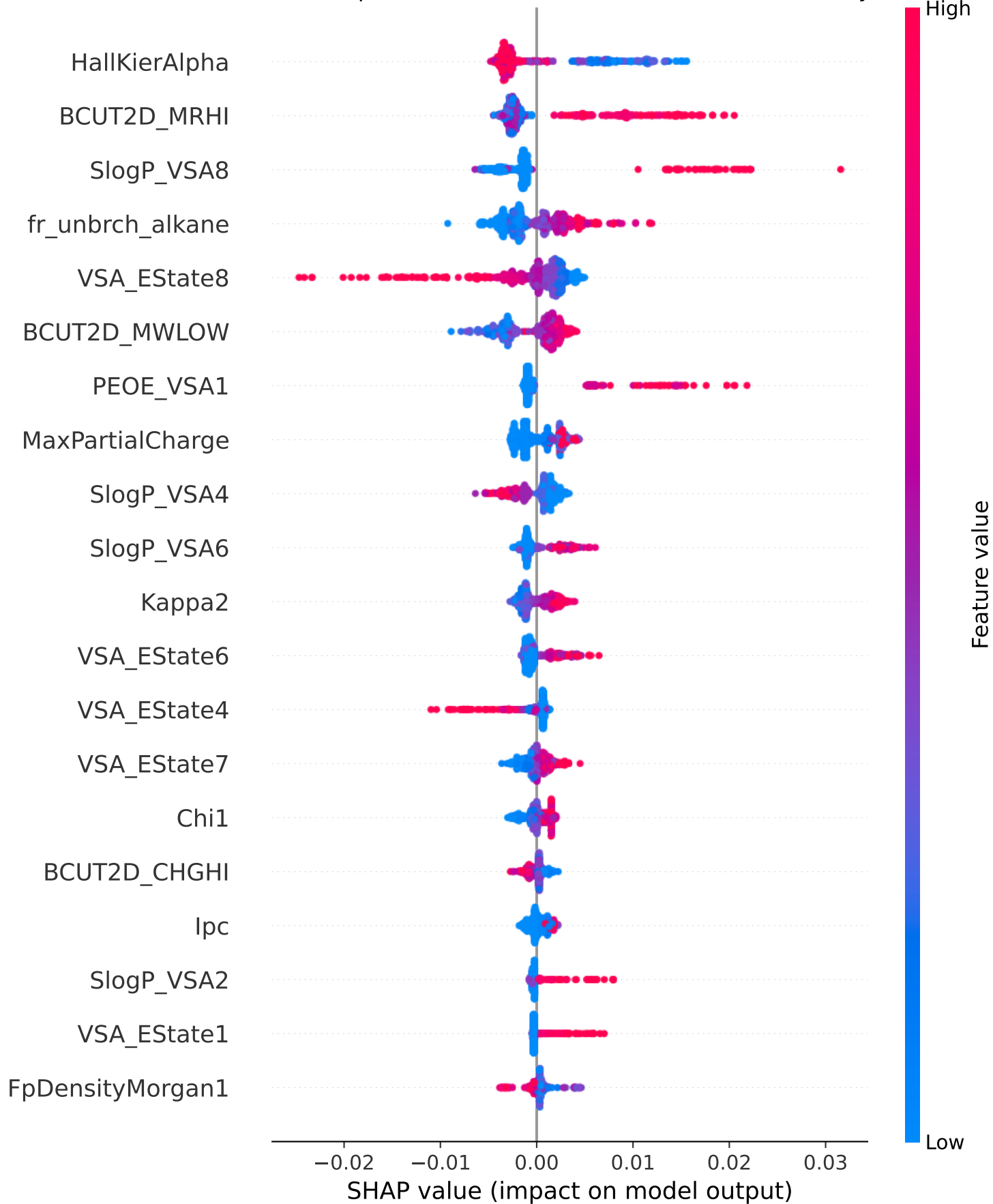


SHAP Feature Importance (Beeswarm) for Thermal Conductivity at 40C

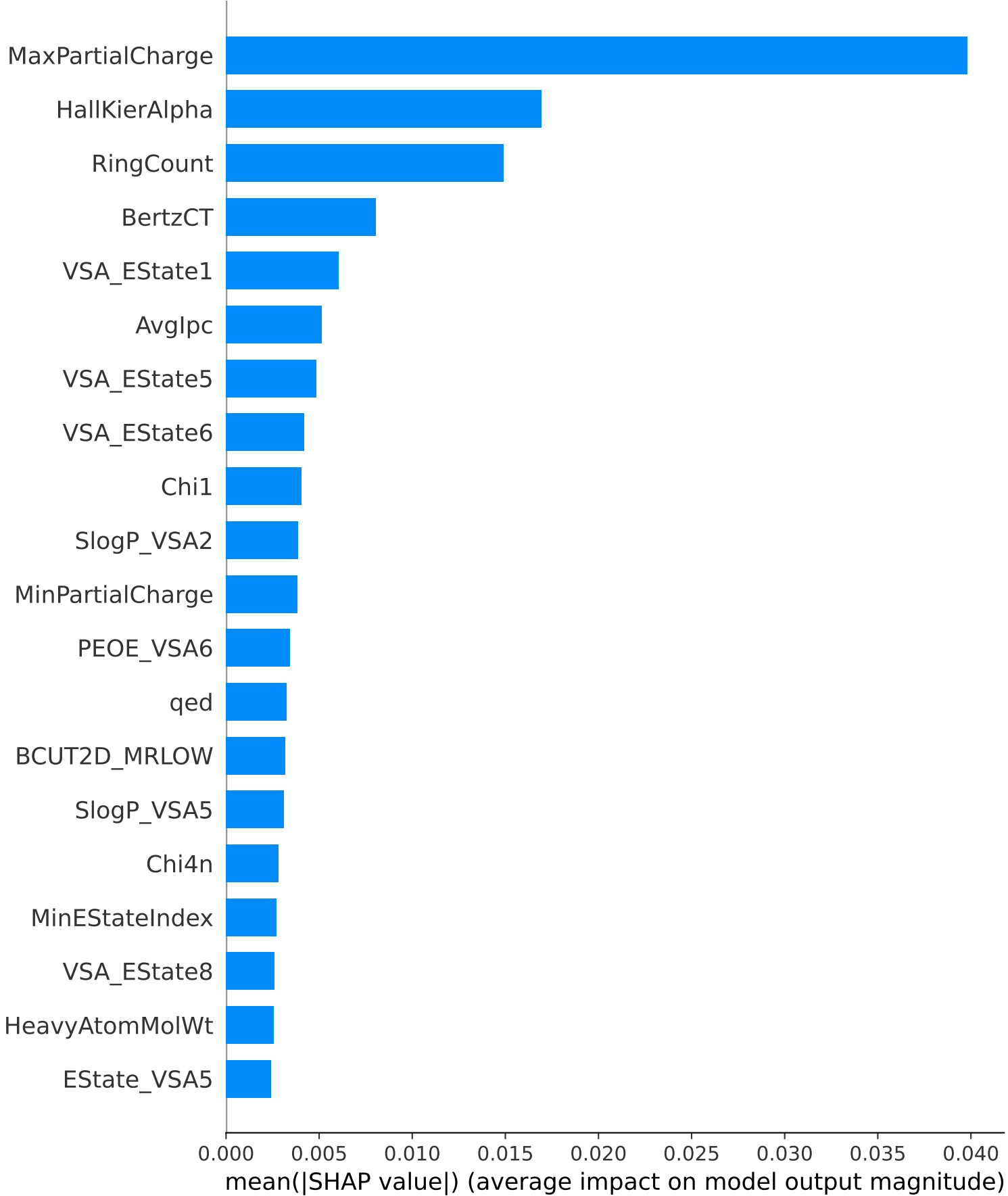




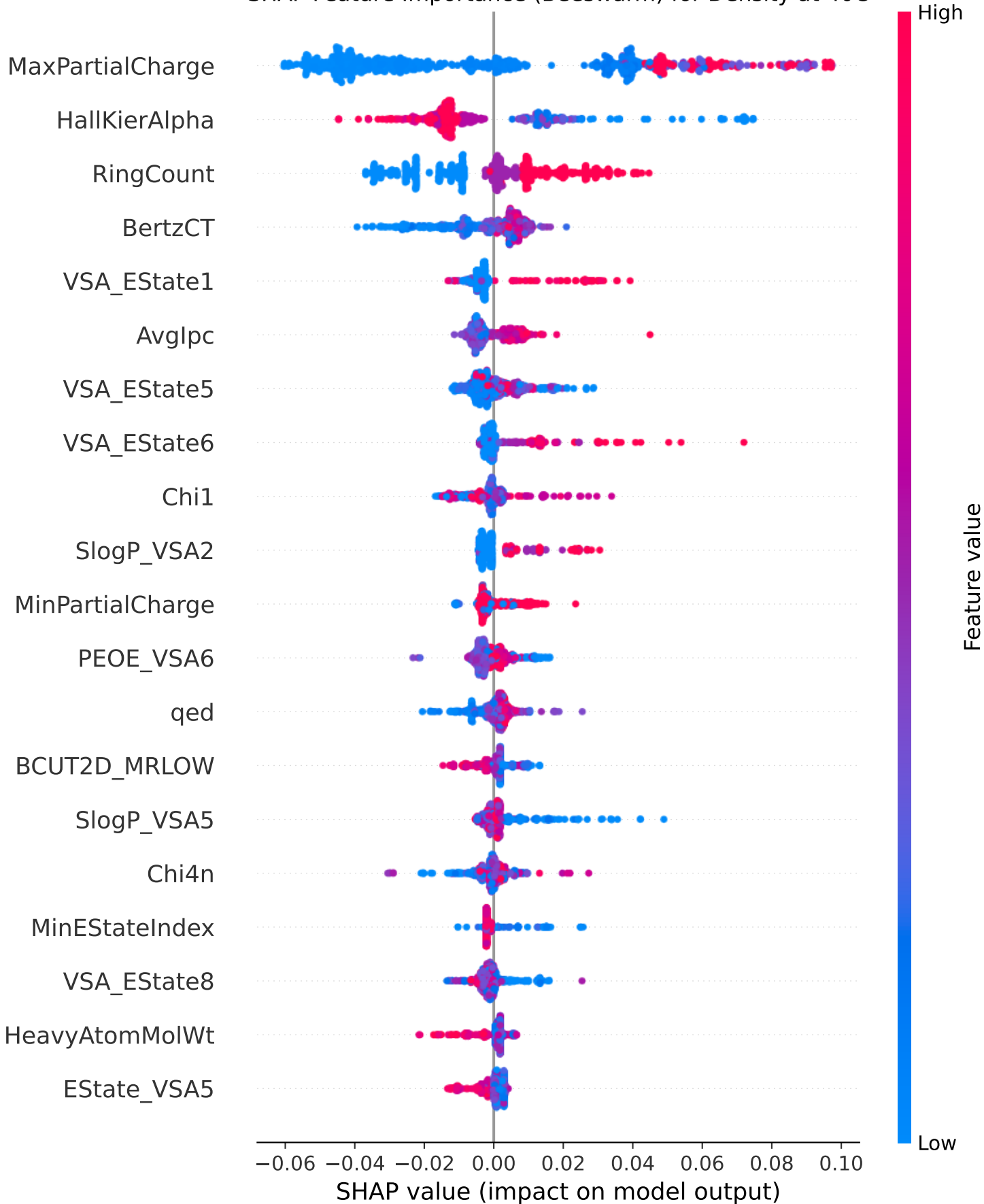
SHAP Feature Importance (Beeswarm) for Thermal Conductivity at 100C

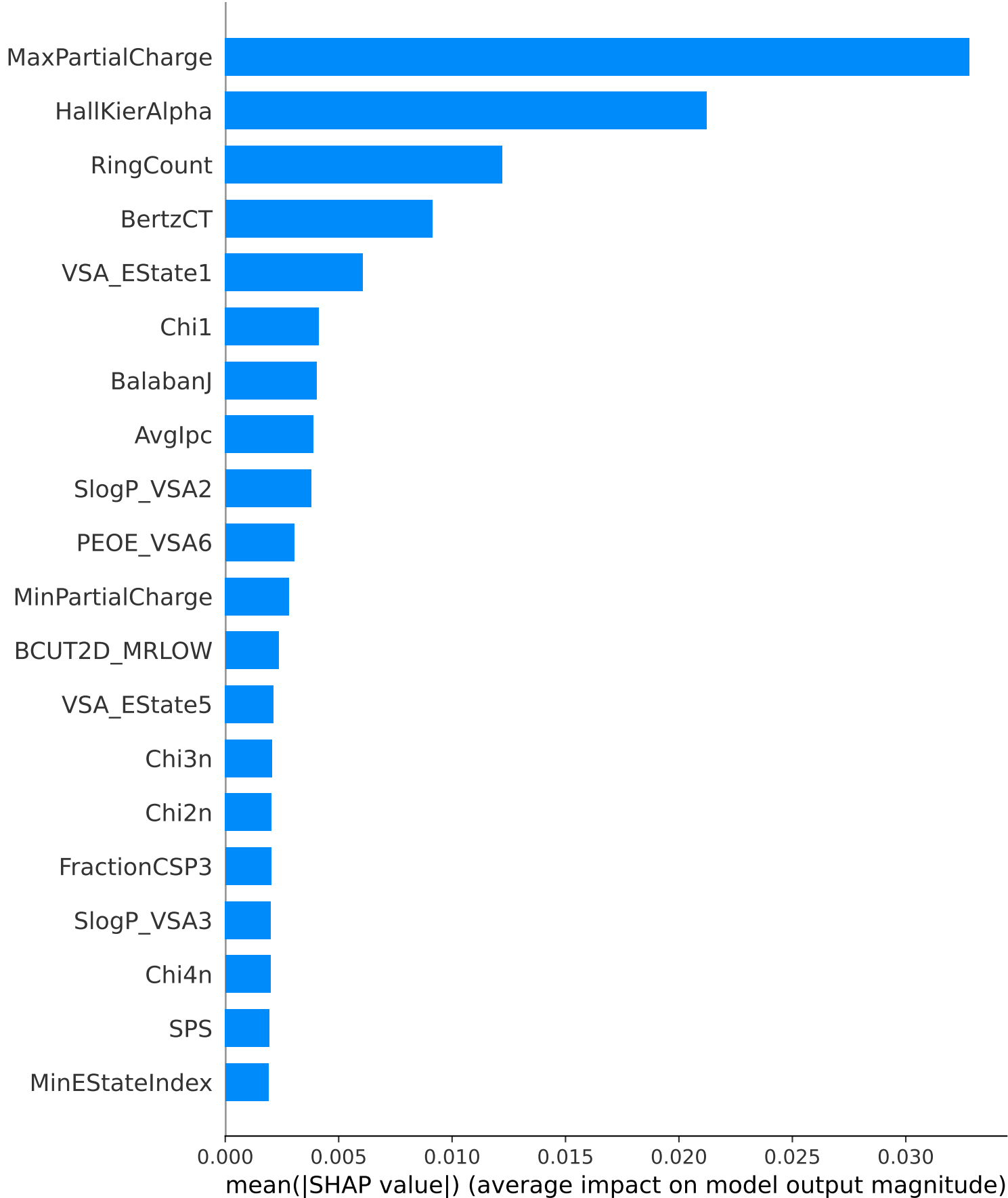


SHAP Feature Importance (Bar) for Density at 40C

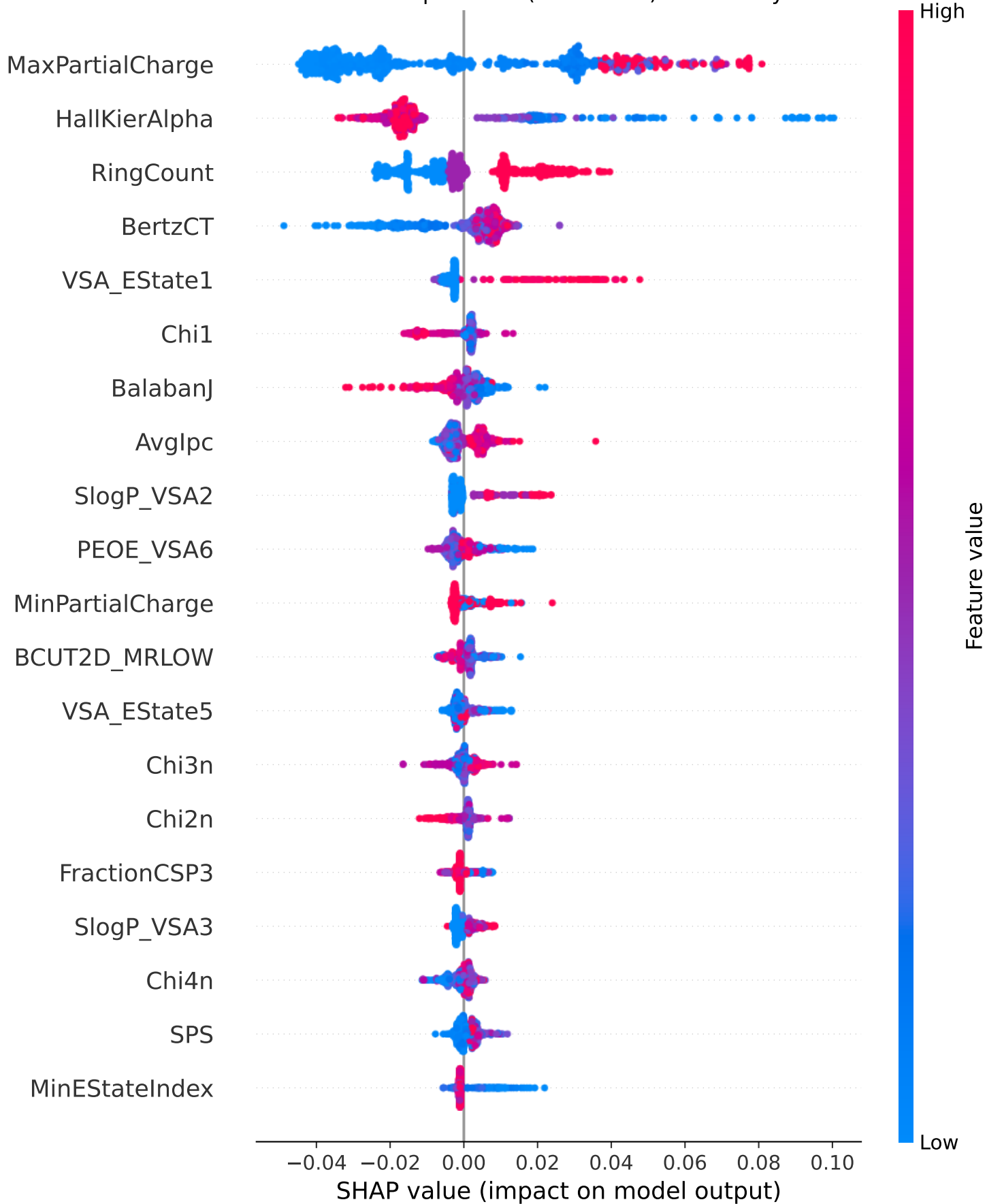


SHAP Feature Importance (Beeswarm) for Density at 40C



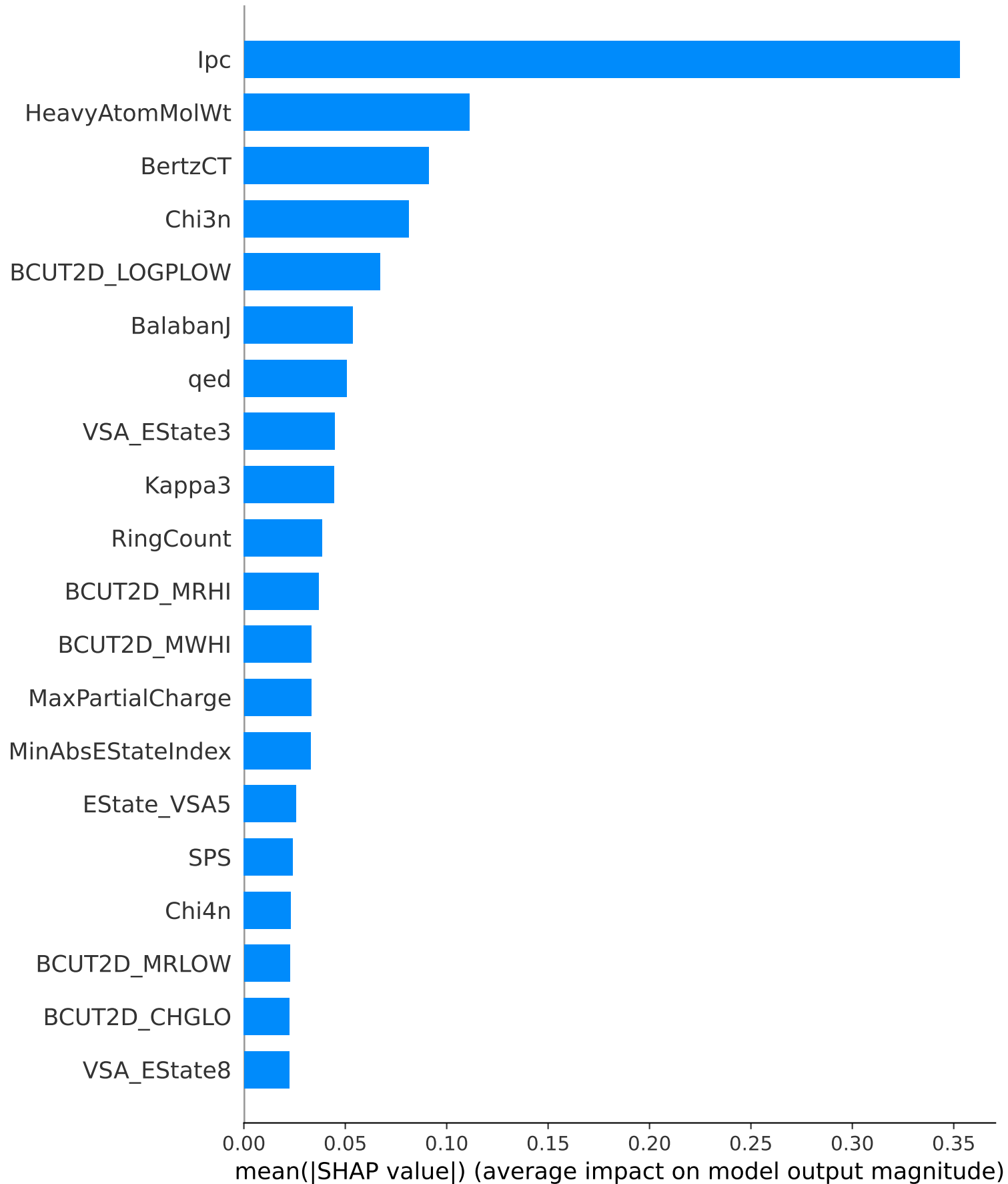


SHAP Feature Importance (Beeswarm) for Density at 100C

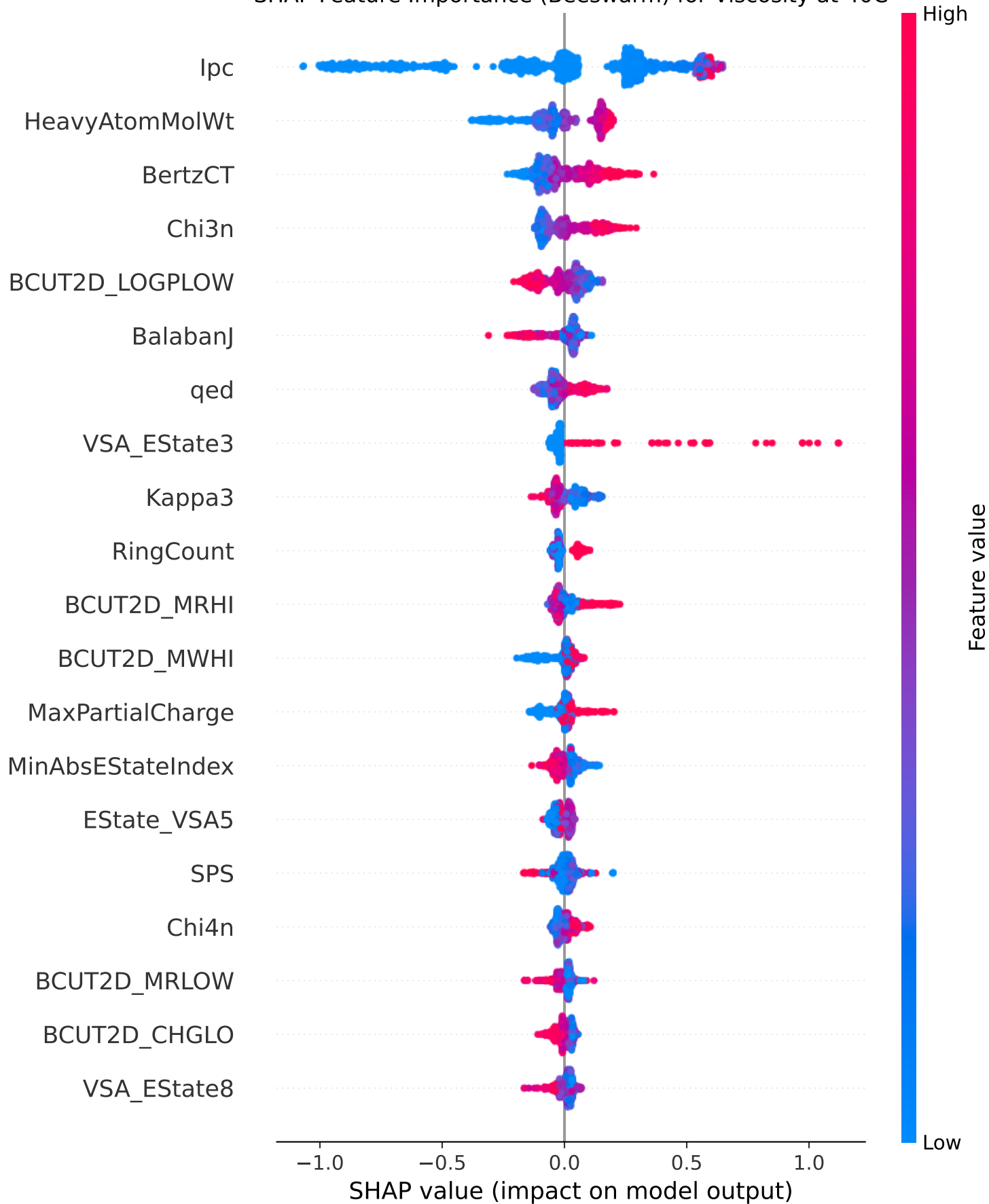




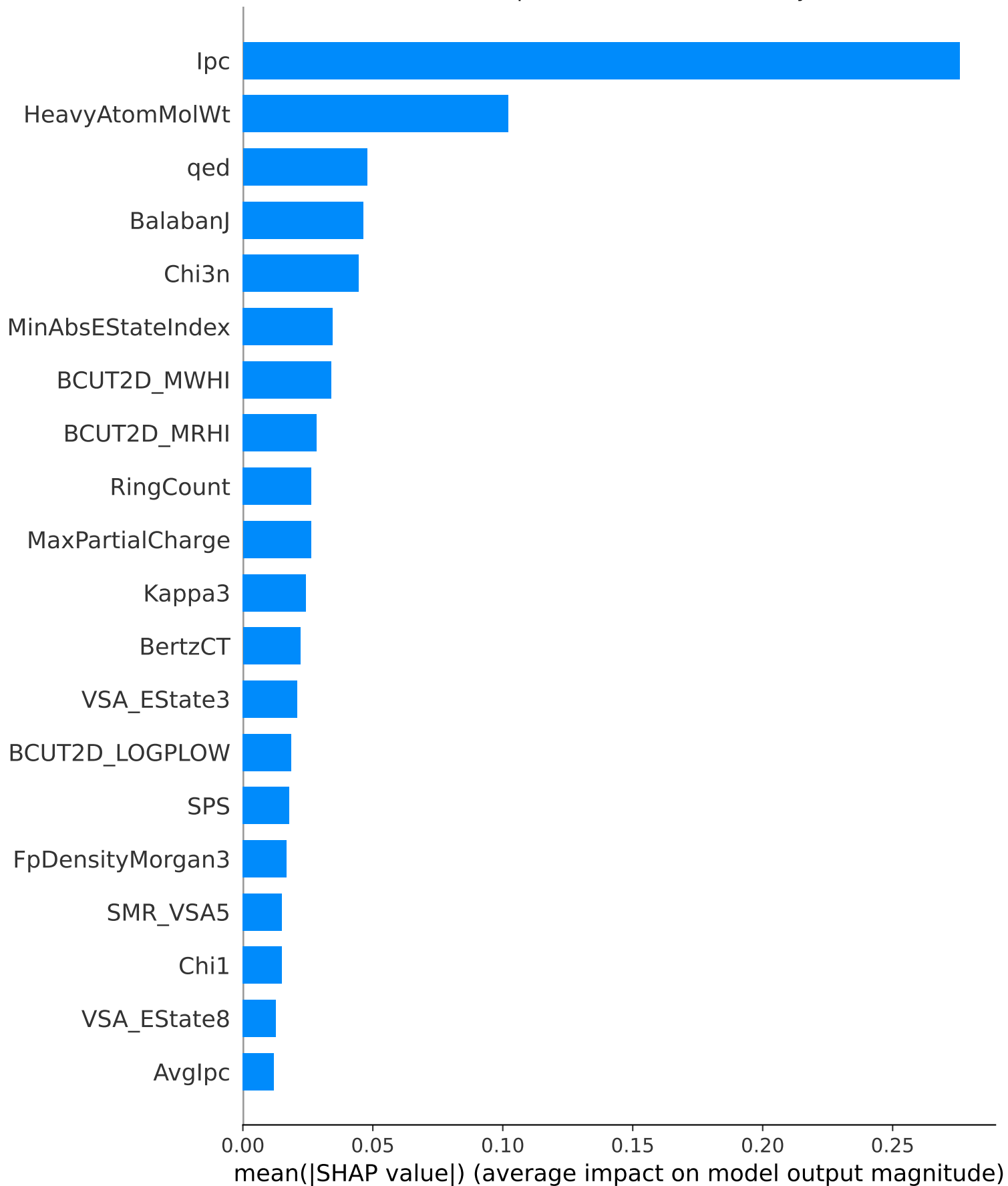
SHAP Feature Importance (Bar) for viscosity at 40C



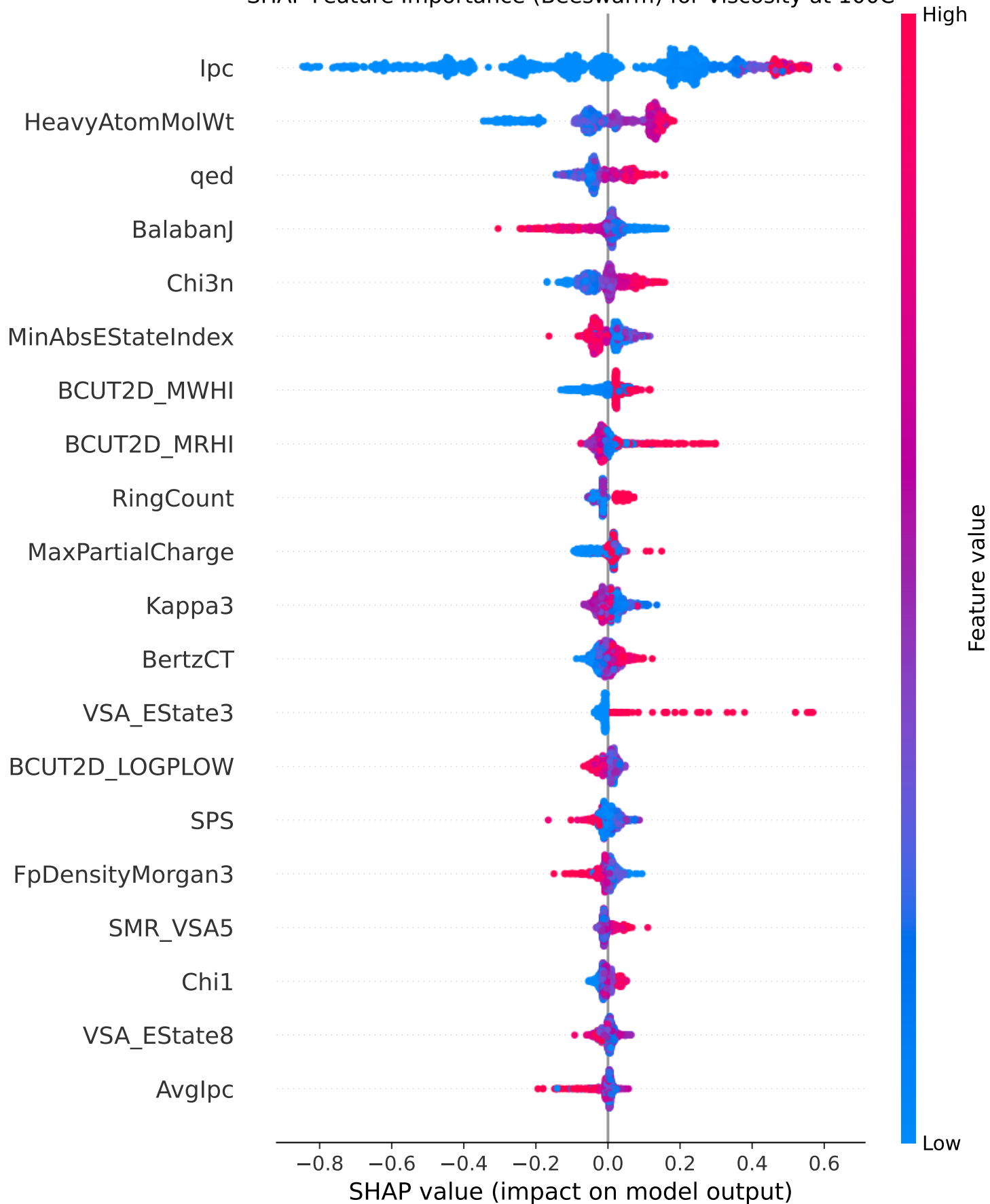
SHAP Feature Importance (Beeswarm) for Viscosity at 40C



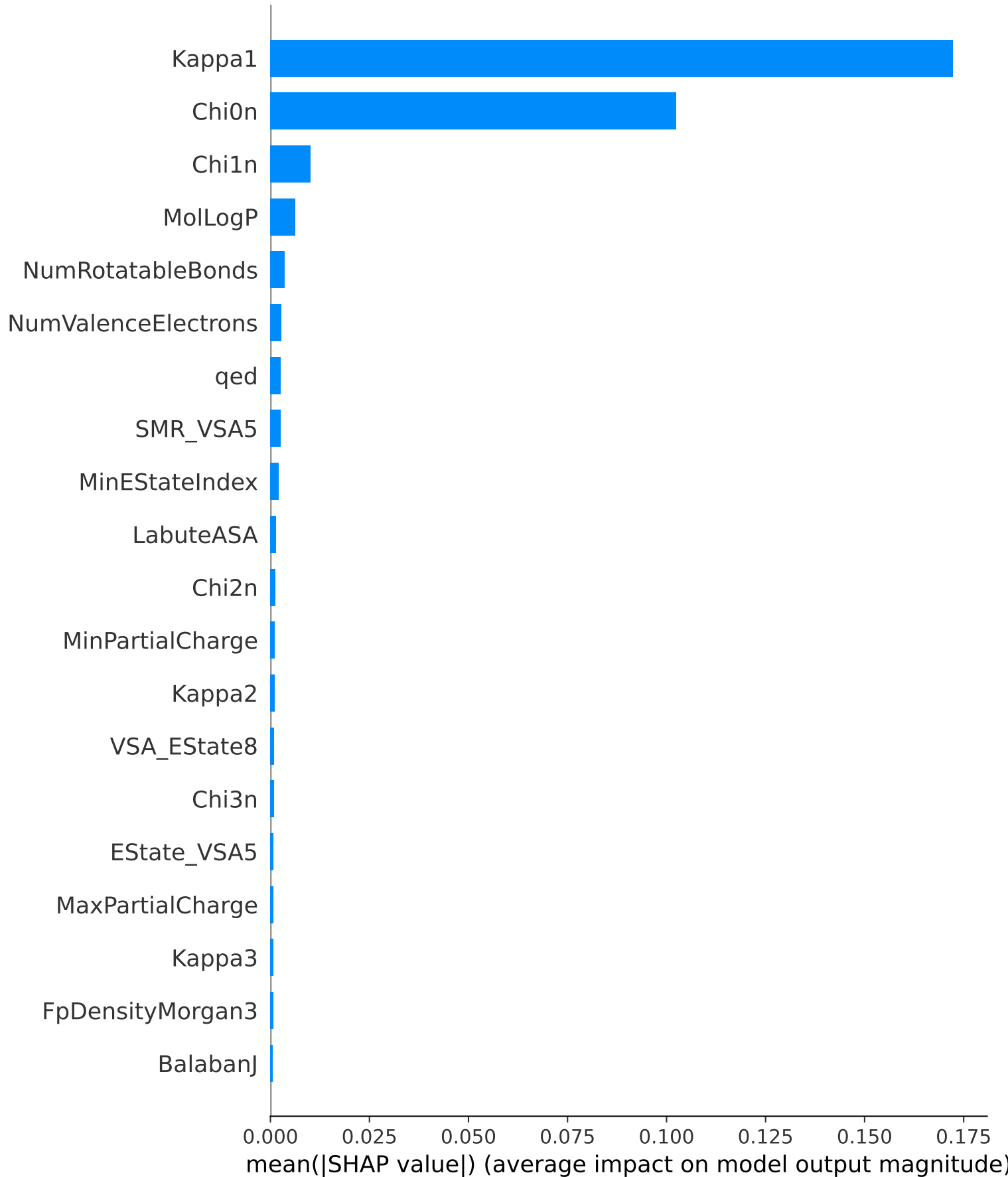
SHAP Feature Importance (Bar) for viscosity at 100C



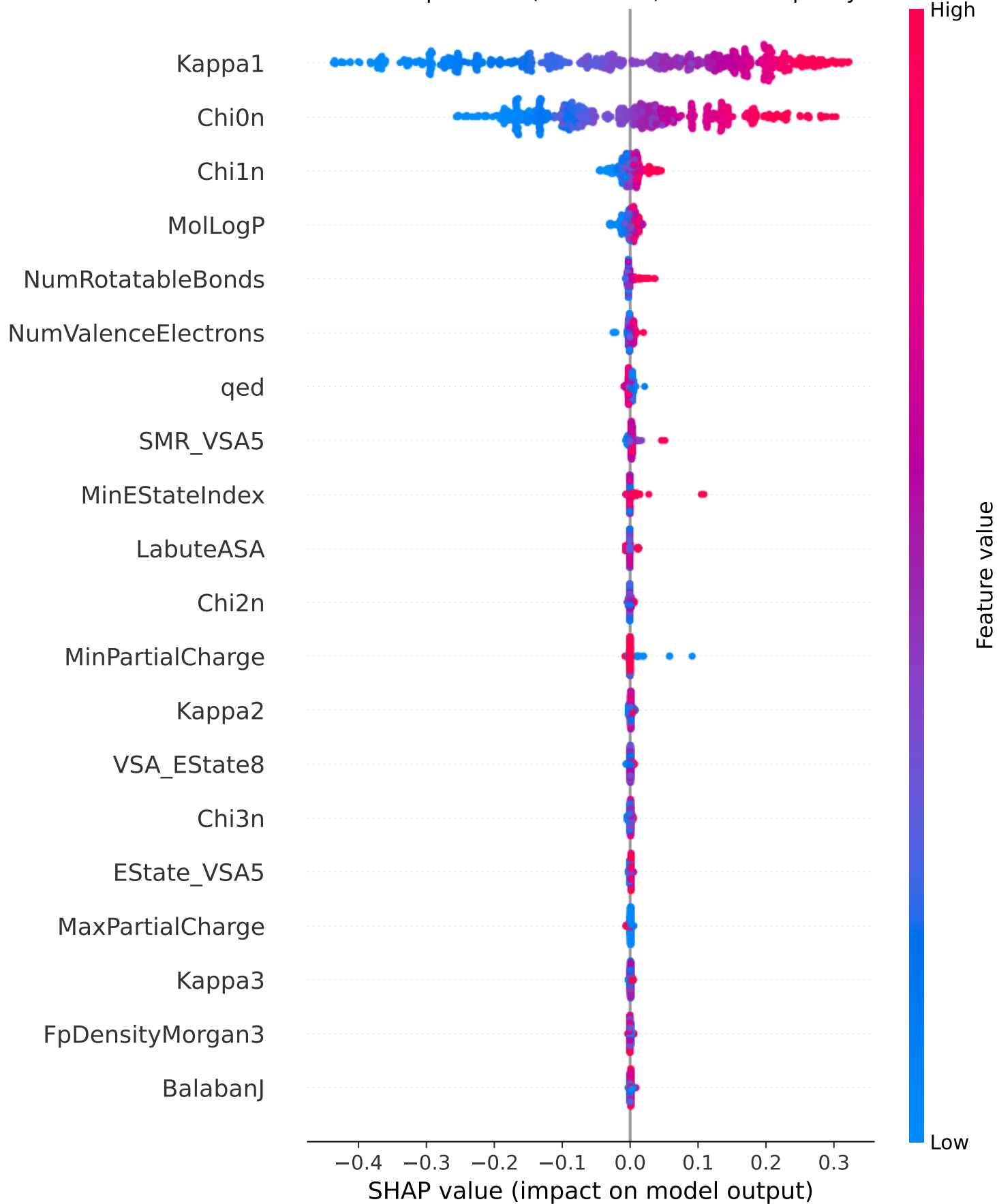
SHAP Feature Importance (Beeswarm) for Viscosity at 100C



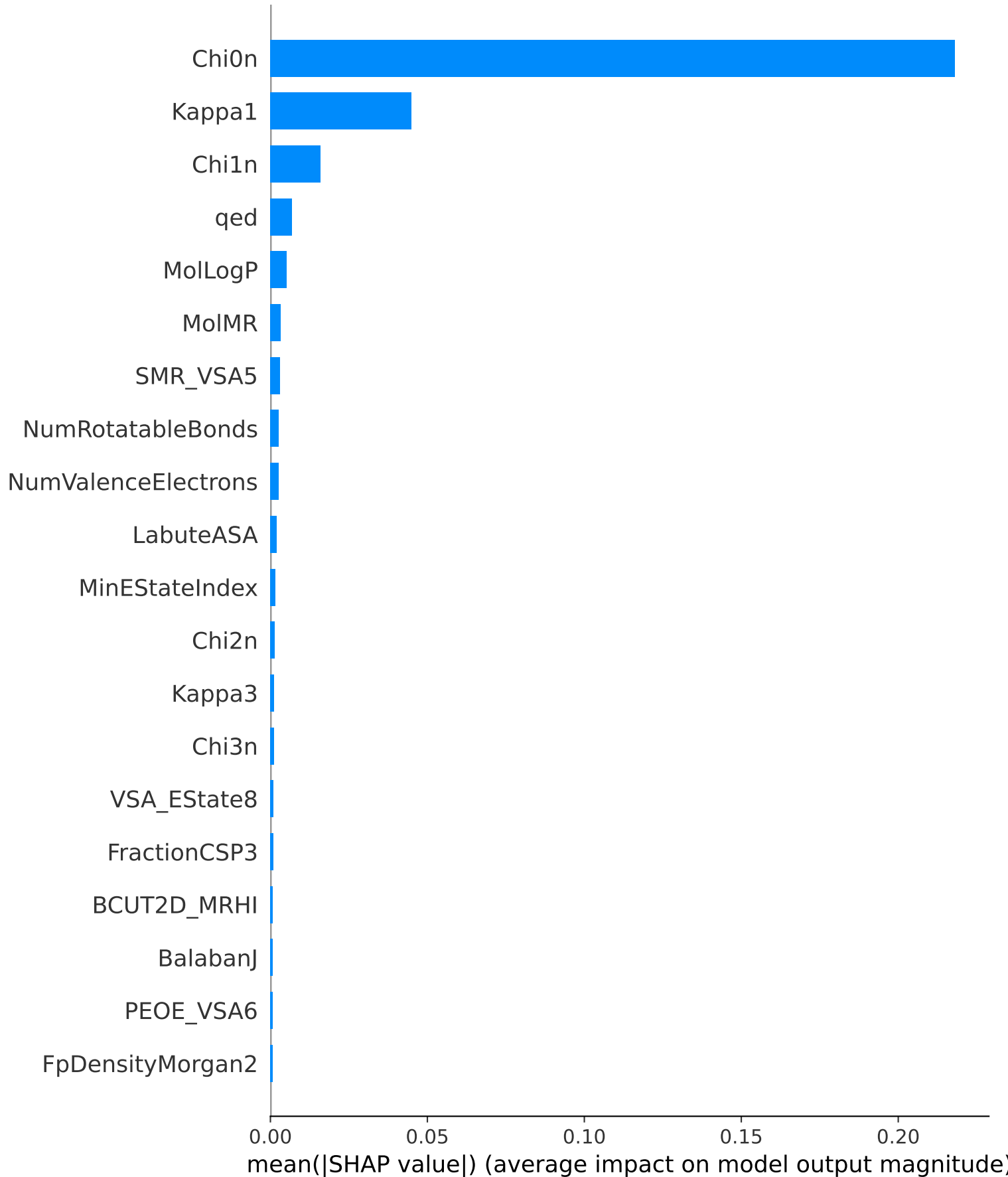
SHAP Feature Importance (Bar) for Heat Capacity at 40C



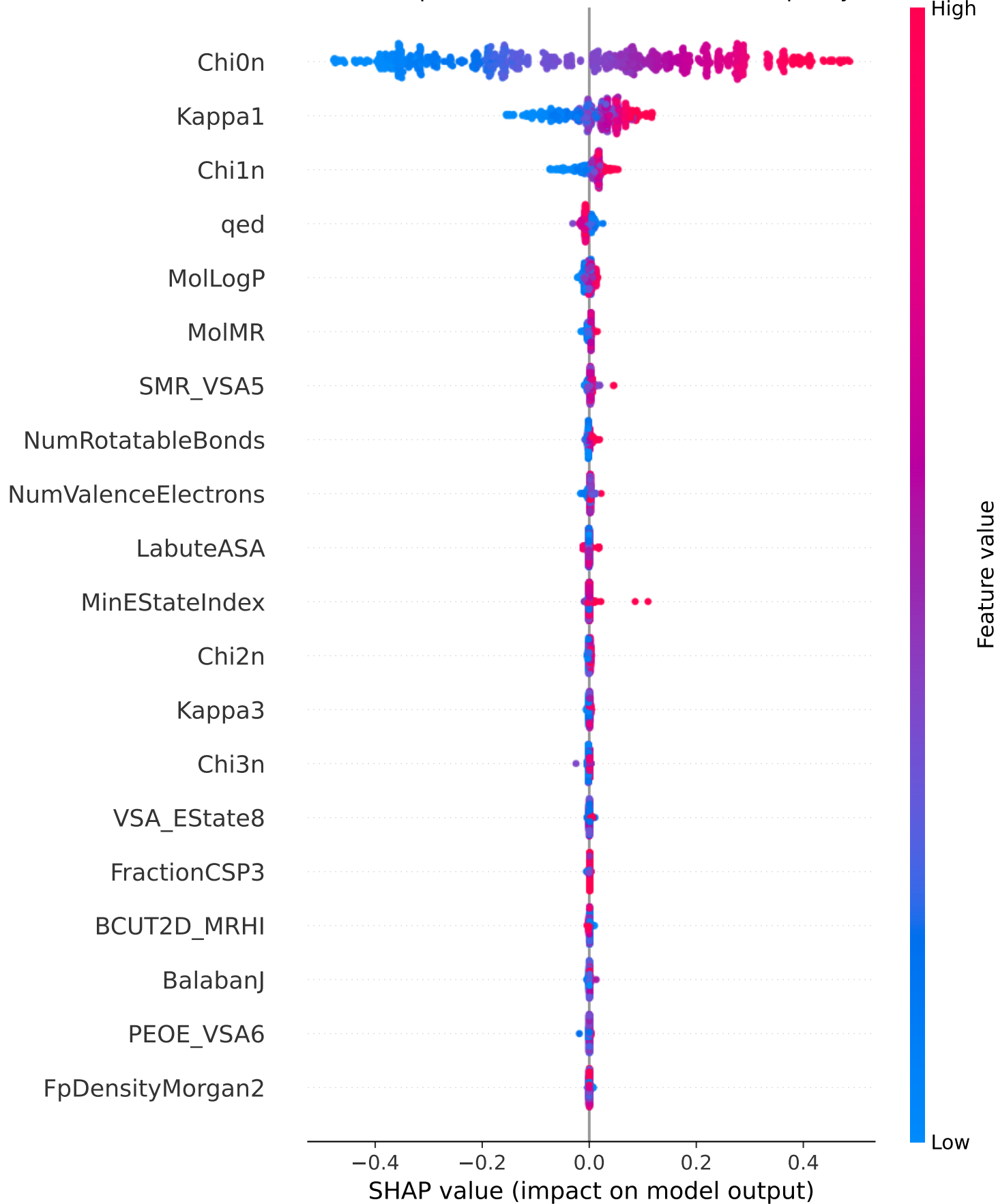
SHAP Feature Importance (Beeswarm) for Heat Capacity at 40C



SHAP Feature Importance (Bar) for Heat Capacity at 100C



SHAP Feature Importance (Beeswarm) for Heat Capacity at 100C





Top 5 Features for Each Property

Feature	Mean SHAP Value	Property
BCUT2D_MRHI	0.004385468550026417	Thermal Conductivity at 40C
HallKierAlpha	0.0032932425383478403	Thermal Conductivity at 40C
SlogP_VSA8	0.003099903929978609	Thermal Conductivity at 40C
VSA_EState8	0.002820233814418316	Thermal Conductivity at 40C
BCUT2D_MWLOW	0.0027626133523881435	Thermal Conductivity at 40C
HallKierAlpha	0.004381172358989716	Thermal Conductivity at 100C
BCUT2D_MRHI	0.00409914692863822	Thermal Conductivity at 100C
SlogP_VSA8	0.0030908884946256876	Thermal Conductivity at 100C
fr_unbrch_alkane	0.002646585227921605	Thermal Conductivity at 100C
VSA_EState8	0.0025988994166254997	Thermal Conductivity at 100C
MaxPartialCharge	0.039791133254766464	Density at 40C
HallKierAlpha	0.016937607899308205	Density at 40C
RingCount	0.014898895286023617	Density at 40C
BertzCT	0.008030487224459648	Density at 40C
VSA_EState1	0.006059750448912382	Density at 40C
MaxPartialCharge	0.03281116858124733	Density at 100C
HallKierAlpha	0.02122097834944725	Density at 100C
RingCount	0.01221833098679781	Density at 100C
BertzCT	0.009131444618105888	Density at 100C
VSA_EState1	0.006069333758205175	Density at 100C
lpc	0.35292088985443115	Viscosity at 40C
HeavyAtomMolWt	0.11122550070285797	Viscosity at 40C
BertzCT	0.09126317501068115	Viscosity at 40C
Chi3n	0.08145593851804733	Viscosity at 40C
BCUT2D_LOGPLOW	0.06723576784133911	Viscosity at 40C
lpc	0.275765597820282	Viscosity at 100C
HeavyAtomMolWt	0.10215916484594345	Viscosity at 100C
qed	0.04778677225112915	Viscosity at 100C
BalabanJ	0.04642140492796898	Viscosity at 100C
Chi3n	0.04450986534357071	Viscosity at 100C
Kappa1	0.17230458557605743	Heat Capacity at 40C
Chi0n	0.1024671271443367	Heat Capacity at 40C
Chi1n	0.010068188421428204	Heat Capacity at 40C
MolLogP	0.006224412005394697	Heat Capacity at 40C
NumRotatableBonds	0.0036790736485272646	Heat Capacity at 40C
Chi0n	0.21797610819339752	Heat Capacity at 100C
Kappa1	0.044925518333911896	Heat Capacity at 100C
Chi1n	0.015924781560897827	Heat Capacity at 100C
qed	0.0069056423380970955	Heat Capacity at 100C
MolLogP	0.005220658145844936	Heat Capacity at 100C