Table S2 Summary table of correlation coefficients between mouthfeel liking, taste liking and perception agglomerative hierarchical clusters, and sensory data variables within a PCA of consumer liking scores.

Sensory attribute	Mouthfeel liking C1	Mouthfeel liking C2*^	Mouthfeel liking C3	Taste liking C1*	Taste liking C2	Purchase intent C1	Purchase intent C2*^	Purchase intent C3	Bitter perception C1*	Bitter perception C2*^	Hotness perception C1*^	Hotness perception C2*	Hotness perception C3*^	Sweetness perception C2*^	Sweetness perception C3*	Pepper perception C1*	Pepper perception C3*^
Sulfury_O	-0.041	-0.299	-0.274	0.158	-0.599	-0.198	0.079	-0.006	0.130	-0.382	0.226	0.038	0.334	-0.456	-0.319	0.087	0.290
Green_O	0.305	0.339	-0.408	0.284	-0.302	0.255	0.126	0.285	0.205	-0.652	-0.282	0.592	-0.189	-0.016	-0.151	0.634	-0.562
Stalky_O	0.000	-0.087	-0.320	0.192	-0.526	0.123	0.566	-0.455	-0.281	-0.449	0.352	0.241	0.707	-0.029	**-0.820**	**0.765**	-0.023
Pepper_O	-0.059	-0.524	0.277	-0.249	0.014	-0.247	0.508	-0.328	-0.133	-0.242	-0.064	0.742	0.327	-0.225	-0.606	**0.785**	-0.328
Earthy_O	0.373	0.560	-0.344	0.209	-0.045	0.307	-0.508	0.610	0.219	-0.043	-0.519	0.033	-0.691	0.559	0.471	-0.062	-0.545
Burnt rubber_O	-0.157	-0.730	0.162	-0.111	-0.308	-0.373	0.325	-0.360	-0.159	-0.199	0.228	0.256	0.593	-0.527	-0.543	0.255	0.401
Pungent_O	0.246	-0.118	-0.364	0.458	-0.593	0.251	0.224	-0.214	-0.388	-0.600	0.107	0.174	0.611	-0.253	-0.436	0.313	0.588
Sweet_O	-0.287	0.281	0.390	-0.331	0.732	-0.034	0.480	-0.128	0.330	0.032	0.101	0.345	-0.265	-0.273	0.065	0.290	-0.623
Aromatic_O	-0.140	0.049	-0.395	-0.058	-0.519	-0.247	-0.126	0.223	0.455	0.014	0.192	-0.191	-0.121	0.186	-0.202	0.129	-0.545
Mustard_O	0.169	-0.330	-0.388	0.295	**-0.782**	0.056	0.101	-0.257	-0.424	-0.311	0.154	0.001	0.669	0.108	-0.617	0.349	0.403
Sweet_T	-0.083	0.266	0.346	-0.239	0.667	0.160	0.380	-0.222	-0.072	0.138	-0.068	0.319	-0.141	0.191	-0.021	0.387	-0.539
Sour_T	-0.027	-0.613	0.088	0.048	-0.323	-0.192	0.309	-0.348	-0.283	-0.322	0.160	0.278	0.623	-0.519	-0.486	0.242	0.561
Bitter_T	-0.549	-0.497	0.202	-0.351	-0.127	-0.356	0.724	**-0.855**	-0.241	0.239	**0.811**	-0.187	**0.898**	-0.115	**-0.906**	0.437	0.075
Savoury_T	0.082	-0.151	-0.460	0.219	-0.753	-0.009	0.183	-0.113	-0.073	-0.405	0.180	0.132	0.444	0.035	-0.610	0.518	-0.062
Green_F	0.503	0.371	-0.289	0.313	-0.094	0.351	-0.141	0.494	0.124	-0.584	-0.647	0.685	-0.472	0.103	0.185	0.445	-0.503
Stalky_F	-0.151	-0.270	-0.185	0.094	-0.475	-0.089	0.508	-0.430	-0.131	-0.365	0.463	0.112	0.694	-0.346	-0.697	0.470	0.207
Peppery_F	-0.125	-0.746	0.438	-0.275	0.072	-0.323	0.576	-0.487	-0.268	-0.216	0.029	0.703	0.529	-0.461	-0.634	0.649	0.049
Mustard_F	0.131	-0.618	0.086	0.067	-0.323	-0.034	0.400	-0.481	-0.589	-0.327	-0.004	0.487	0.735	-0.143	-0.700	0.606	0.380
Sulfury_F	-0.191	-0.600	-0.049	-0.071	-0.520	-0.291	0.339	-0.479	-0.262	-0.064	0.416	-0.015	0.751	-0.140	-0.745	0.347	0.285
Earthy_F	**-0.849**	-0.632	0.579	**-0.872**	0.316	**-0.950**	0.199	-0.273	0.569	**0.773**	0.603	-0.352	0.008	-0.301	-0.204	-0.230	-0.417
Bitter_AE	-0.221	-0.711	0.303	-0.302	-0.111	-0.285	0.519	-0.717	-0.511	0.166	0.302	0.192	**0.785**	0.081	**-0.836**	0.569	0.099
Sweet_AE	-0.066	0.430	0.198	-0.202	0.586	0.097	-0.203	0.195	0.191	0.445	-0.149	-0.208	-0.559	0.384	0.494	-0.285	-0.441
Acid_AE	-0.086	-0.655	0.025	0.000	-0.443	-0.282	0.233	-0.330	-0.228	-0.206	0.232	0.130	0.627	-0.400	-0.531	0.195	0.494
Savoury_AE	-0.263	-0.084	-0.223	-0.187	-0.389	-0.261	0.274	-0.159	0.246	0.020	0.365	-0.017	0.206	0.174	-0.569	0.497	-0.616
Peppery_AE	-0.257	**-0.852**	0.466	-0.381	0.029	-0.492	0.527	-0.484	-0.151	-0.079	0.148	0.549	0.527	-0.502	-0.637	0.519	0.049
Mustard_AE	-0.081	-0.684	0.218	-0.130	-0.200	-0.191	0.574	-0.622	-0.483	-0.190	0.183	0.459	**0.785**	-0.199	**-0.822**	0.681	0.203
Green_AE	0.479	0.448	-0.337	0.457	-0.123	0.555	0.259	0.134	-0.137	**-0.805**	-0.390	0.742	-0.042	-0.038	-0.127	0.710	-0.270
Earthy_AE	-0.587	0.087	0.182	-0.568	0.297	-0.562	-0.027	0.204	**0.875**	0.502	0.346	-0.316	-0.522	-0.104	0.191	-0.240	**-0.830**
Warming_AE	-0.034	**-0.758**	0.257	-0.188	-0.177	-0.387	0.266	-0.203	-0.109	-0.242	-0.088	0.592	0.348	-0.432	-0.472	0.443	0.076
Initial heat_MF	-0.264	-0.740	0.252	-0.249	-0.200	-0.380	0.599	-0.604	-0.250	-0.125	0.349	0.357	0.746	-0.381	**-0.815**	0.580	0.138
Leaf spikiness_MF	-0.295	-0.466	0.318	-0.493	0.120	-0.697	-0.331	0.374	0.638	0.347	-0.113	0.015	-0.502	-0.292	0.279	-0.351	-0.370
Crisp_MF	0.065	-0.083	0.009	-0.070	-0.050	0.103	0.475	-0.357	-0.304	-0.174	-0.030	0.510	0.328	0.307	-0.623	**0.874**	-0.492
Chewy_MF	-0.221	-0.410	0.080	-0.370	-0.184	-0.492	-0.242	0.079	0.218	0.451	0.051	-0.209	-0.103	0.274	-0.118	-0.091	-0.345
Tough_MF	-0.017	-0.099	-0.147	-0.142	-0.270	-0.214	-0.461	0.235	0.121	0.432	-0.076	-0.379	-0.226	0.569	0.071	-0.223	-0.284
Moistness of Leaf_MF	0.183	0.679	-0.072	0.253	0.391	0.511	0.157	0.091	0.007	-0.287	-0.136	0.181	-0.251	-0.033	0.302	0.092	-0.128
Salivating_MF	0.485	0.019	0.081	0.188	0.168	0.297	0.068	0.189	-0.215	-0.533	-0.695	**0.912**	-0.207	-0.057	0.051	0.539	-0.203
Astringency_MF	-0.699	-0.543	0.497	-0.563	0.260	-0.657	0.157	-0.405	0.199	0.671	0.668	-0.588	0.283	-0.384	-0.102	-0.516	0.302
Tingly_MF	-0.210	**-0.774**	0.324	-0.279	-0.113	-0.410	0.550	-0.493	-0.184	-0.174	0.188	0.526	0.599	-0.451	-0.715	0.594	0.057
Warming_MF	-0.213	**-0.778**	0.300	-0.257	-0.151	-0.425	0.512	-0.459	-0.150	-0.189	0.201	0.486	0.590	-0.502	-0.681	0.527	0.115

Numbers in bold indicate a significant correlation (Pearson *n*-1); green = significance at *P*<0.05; orange = significance at P<0.01. Abbreviations: A = appearance; O = odour; T = taste; F = flavour; MF = mouthfeel; AE = aftereffects. * = significant differences observed between rocket accessions; ^ = agglomerative hierarchical cluster with <20 individuals