



Supplementary Material

Role of Wheat Plant Morphological Characters in the Mediating Abundance of Wheat Aphid (*Schizaphis graminum* R.)

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Supplementary Table I: Correlation matrix showing response of leaf morphological characters to aphid abundance during 2017-2018.

Variety	No. of hairs on midrib/cm ²	Leaf moisture contents on wet basis (g)	Leaf moisture contents on dry basis	Leaf perimeter	Leaf area
Sehar 2010	0.400**	0.044	-0.004	-0.108	0.174
Lasani-08	0.985	0.423	0.879	0.762	0.361
Shafaq	-0.982	-0.975	0.997*	-0.957	0.976
Uqab 2000	-0.926	0.992	-1.000**	-0.994	-0.961
AARI 2011	-0.563	0.860	-0.754	0.972	1.000**
Pasban 90	-0.912	-0.488	0.985	-0.556	0.500
Inqalab 91	-0.803	-0.979	-0.808	0.985	-0.400
Millet 2011	0.639	0.938	-0.974	-0.965	-0.956
Faisalabad 2008	1.000**	0.995	1.000	0.998*	0.791
Punjab 2011	0.700	0.466	0.980	0.992	1.000**
Fareed 06	0.998	0.998	0.860	0.732	0.971
VO6377	0.999	0.792	1.000**	0.928	0.999
Mairaj2008	-0.819**	0.571	0.412	0.988	0.987
AAS 2011	0.113	0.064	0.090	0.207	0.496
VO6309	0.896	0.972	0.958	0.999*	1.000**

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Supplementary Table II: Correlation matrix elaborating impact of spike, bushel and grain characters on aphid abundance during 2017-2018.

Variety	Spike length	No .of floret	No. of awns	Angle of awns	Length of awns	Grain moisture contents on wet basis	Grain moisture contents on dry Basis	Bushel weight	Straw weight	1000 Grain weight
Sehar 2010	0.948	-0.002	0.222	0.998*	-0.331	0.999**	0.981	-0.475	0.830	0.999
Lasani-08	0.655	1.000**	1.000**	0.961	0.237	0.500	0.997*	0.971	0.933	0.933
Shafaq	0.998*	0.816	0.984	0.956	0.906	0.909	0.961	0.965	0.975	0.726
Uqah 2000	0.818	0.819	0.981	0.983	0.920	0.907	0.981	0.840	0.819	0.973
AARI 2011	0.958	0.981	0.924	0.983	0.997*	0.370	0.971	0.958	0.928	0.992
Pasban 90	0.990	0.943	0.894	0.960	1.000**	0.988	0.999*	0.989	0.831	0.942
Inqalab 91	-0.148	0.018	0.155	-0.311	-0.113	-0.223	0.741	-0.360	-0.786	0.568
Millet 2011	0.979	0.991	0.996*	0.988	0.731	0.996*	0.967	0.994	1.000**	0.812
Faisalabad 2008	0.854	0.874	0.992	0.990	-0.519	0.980	0.734	0.997*	0.978	0.869
Punjab 2011	1.000**	0.706	-0.177	1.000	-0.300	0.941	0.554	0.976	0.983	0.876
Fareed 06	0.987	0.939	0.979	0.281	-0.576	0.944	0.939	-0.026	-0.725	0.826
VO6377	0.999*	0.908	0.999*	0.946	0.970	0.443	0.979	0.661	0.851	0.893
Maira.1-08	0.770	0.906	0.328	0.638	-0.824	0.902	0.777	-0.709	0.273	-0.463
AAS 2011	-0.128	0.281	0.551	0.541	0.911	0.852	0.364	0.502	0.151	0.893
VO6309	0.719	0.744	0.998	0.958	0.753	0.900	-0.129	-0.049	0.321	1.000**

Note: * significant if $p < 0.05$; ** Highly significant $p < 0.01$