Supplementary data

Coefficients of determination (Spearman):

Variables	X350	X366	X367	X375	X376	X377	X380	X382	X383	X384	X385	X386	X394	X407	X1431	X2031
X350	**1**	0.963	0.955	0.858	0.845	0.833	0.796	0.769	0.753	0.733	0.706	**0.668**	**0.408**	**0.321**	**0.155**	**0.155**
X366	0.963	**1**	0.999	0.956	0.948	0.940	0.913	0.891	0.878	0.861	0.837	0.803	**0.556**	**0.467**	**0.255**	**0.266**
X367	0.955	0.999	**1**	0.964	0.956	0.948	0.923	0.902	0.889	0.873	0.850	0.817	**0.572**	**0.483**	**0.265**	**0.278**
X375	0.858	0.956	0.964	**1**	0.999	0.998	0.990	0.979	0.971	0.960	0.944	0.919	0.713	**0.629**	**0.343**	**0.391**
X376	0.845	0.948	0.956	0.999	**1**	0.999	0.993	0.984	0.977	0.966	0.951	0.927	0.725	**0.642**	**0.351**	**0.404**
X377	0.833	0.940	0.948	0.998	0.999	**1**	0.996	0.988	0.982	0.972	0.957	0.934	0.736	**0.654**	**0.358**	**0.416**
X380	0.796	0.913	0.923	0.990	0.993	0.996	**1**	0.997	0.994	0.987	0.976	0.956	0.771	**0.691**	**0.382**	**0.453**
X382	0.769	0.891	0.902	0.979	0.984	0.988	0.997	**1**	0.999	0.995	0.987	0.970	0.797	0.720	**0.401**	**0.478**
X383	0.753	0.878	0.889	0.971	0.977	0.982	0.994	0.999	**1**	0.998	0.992	0.978	0.812	0.737	**0.414**	**0.493**
X384	0.733	0.861	0.873	0.960	0.966	0.972	0.987	0.995	0.998	**1**	0.997	0.987	0.834	0.761	**0.431**	**0.511**
X385	0.706	0.837	0.850	0.944	0.951	0.957	0.976	0.987	0.992	0.997	**1**	0.996	0.861	0.792	**0.454**	**0.535**
X386	**0.668**	0.803	0.817	0.919	0.927	0.934	0.956	0.970	0.978	0.987	0.996	**1**	0.895	0.832	**0.483**	**0.563**
X394	**0.408**	**0.556**	**0.572**	0.713	0.725	0.736	0.771	0.797	0.812	0.834	0.861	0.895	**1**	0.985	**0.594**	**0.654**
X407	**0.321**	**0.467**	**0.483**	**0.629**	**0.642**	**0.654**	**0.691**	0.720	0.737	0.761	0.792	0.832	0.985	**1**	**0.628**	**0.679**
X1431	**0.155**	**0.255**	**0.265**	**0.343**	**0.351**	**0.358**	**0.382**	**0.401**	**0.414**	**0.431**	**0.454**	**0.483**	**0.594**	**0.628**	**1**	0.878
X2031	**0.155**	**0.266**	**0.278**	**0.391**	**0.404**	**0.416**	**0.453**	**0.478**	**0.493**	**0.511**	**0.535**	**0.563**	**0.654**	**0.679**	0.878	**1**

R2>0.07