

**Table 3** Results of the multiple regressions refer to the final accepted model which just included the effects of the significant variables for C stocks in bulk soils of arid and semi-arid grasslands

**Table 4** Results of the multiple regressions refer to the final accepted model which just included the effects of the significant variables for N stocks in bulk soils of arid and semi-arid grasslands

Table 3

variables	unstandardized coefficients		standardized coefficients	correlations	
	B	SE	Beta	partial	part
clay C concentration	0.117	0.005	0.696	0.813	0.349
clay content	0.305	0.015	0.45	0.776	0.307
silt content	0.09	0.01	0.206	0.452	0.126
silt C concentration	-0.034	0.008	-0.122	-0.258	-0.067

Table 4

variables	unstandardized coefficients		Beta	standardized coefficients		correlations
	B	SE		partial	part	
BD	-0.246	0.088	-0.1	-0.164	-0.042	
clay N concentration	0.094	0.003	0.61	0.855	0.416	
clay content	0.02	0.002	0.274	0.43	0.12	
sand content	-0.009	0.001	-0.302	-0.397	-0.109	
sand N concentration	-0.033	0.015	-0.052	-0.124	-0.031	