

Table S1-3 is ANOVA between number of plant families, genera and species in grassland types in Burqin region.

Table S1: ANOVA between number of plant families, genera and species in grassland types in Burqin region

		Sum of Squares	df	Mean Square	F	Sig.
Family	Between Groups	35.228	4	8.807	3.953	0.009
		1.382	1	1.382	0.62	0.436
		0.151	1	0.151	0.068	0.796
		35.077	3	11.692	5.248	0.004
	Within Groups	80.201	36	2.228		
	Total	115.428	40			
Genus	Between Groups	60.659	4	15.165	2.445	0.064
		1.53	1	1.53	0.247	0.622
		0.016	1	0.016	0.003	0.96
		60.643	3	20.214	3.259	0.033
	Within Groups	223.317	36	6.203		
	Total	283.976	40			
Species	Between Groups	65.257	4	16.314	2.663	0.048
		0.211	1	0.211	0.034	0.854
		0.423	1	0.423	0.069	0.794
		64.834	3	21.611	3.528	0.024
	Within Groups	220.548	36	6.126		
	Total	285.805	40			

Table S2: LSD Multiple Comparisons

Dependent variable	(I) Different grassland types	(J) Different grassland types	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval for Mean	
						Lower Bound	Upper Bound
Family	DS	MS	-2.722*	0.931	0.006	-4.6099	-0.8345
		MMS	-2.056*	0.931	0.034	-3.9433	-0.1678
		MM	0.368	0.532	0.493	-0.7107	1.4467
		AM	-0.722	0.931	0.443	-2.6099	1.1655
	MS	DS	2.722*	0.931	0.006	0.8345	4.6099
		MMS	0.667	1.219	0.588	-1.8049	3.1383
		MM	3.09*	0.95	0.002	1.1644	5.0161
		AM	2	1.219	0.109	-0.4716	4.4716
	MMS	DS	2.056*	0.931	0.034	0.1678	3.9433
		MS	-0.667	1.2186	0.588	-3.1383	1.8049
	MM	MM	2.424*	0.9495	0.015	0.4977	4.3494
		AM	1.333	1.2186	0.281	-1.1383	3.8049
		DS	-0.368	0.5318	0.493	-1.4467	0.7107

Genus	AM	MS	-3.09*	0.9495 9	0.002	-5.0161	-1.1644
		MMS	-2.424*	0.9495 9	0.015	-4.3494	-0.4977
		AM	-1.09	0.9495 9	0.258	-3.0161	0.8356
		DS	0.722	0.9307 9	0.443	-1.1655	2.6099
		MS	-2	1.2186 9	0.109	-4.4716	0.4716
		MMS	-1.333	1.2186 9	0.281	-3.8049	1.1383
	DS	MM	1.09	0.9495 9	0.258	-0.8356	3.0161
		MS	-2.652	1.5531 8	0.096	-5.8017	0.4983
		MMS	-1.652	1.5531 8	0.295	-4.8017	1.4983
		MM	0.92	0.8875 3	0.307	-0.8802	2.7198
		AM	-2.652	1.5531 8	0.096	-5.8017	0.4983
		DS	2.652	1.5531 8	0.096	-0.4983	5.8017
	MS	MMS	1	2.0335 9	0.626	-3.1243	5.1243
		MM	3.57*	1.5845 6	0.03	0.3578	6.7851
		AM	0	2.0335 9	1	-4.1243	4.1243
		DS	1.652	1.5531 8	0.295	-1.4983	4.8017
		MS	-1	2.0335 9	0.626	-5.1243	3.1243
		MM	2.571*	1.5845 6	0.046	-0.6422	5.7851
	MMS	AM	-1	2.0335 9	0.626	-5.1243	3.1243
		DS	-0.92	0.8875 3	0.307	-2.7198	0.8802
		MS	-3.57*	1.5845 6	0.03	-6.7851	-0.3578
		MMS	-2.571*	1.5845 6	0.028	-5.7851	0.6422
		AM	-3.571*	1.5845 6	0.03	-6.7851	-0.3578
		DS	2.652	1.5531 8	0.096	-0.4983	5.8017
	MM	MS	0	2.0335 9	1	-4.1243	4.1243
		MMS	1	2.0335	0.626	-3.1243	5.1243

Species	DS			9			
		MM	3.571*	1.5845	0.03	0.3578	6.7851
				6			
		MS	-3	1.5435	0.06	-6.1304	0.1304
				2			
		MMS	-1.667	1.5435	0.287	-4.7971	1.4637
	MS			2			
		MM	1.024	0.8820	0.253	-0.765	2.8126
				1			
		AM	-2.333	1.5435	0.139	-5.4637	0.7971
				2			
		DS	3	1.5435	0.06	-0.1304	6.1304
	MMS			2			
		MMS	1.333	2.0209	0.514	-2.7653	5.432
				4			
		MM	4.024*	1.5747	0.015	0.8302	7.2175
				1			
		AM	0.667	2.0209	0.743	-3.432	4.7653
	MM			4			
		DS	1.667	1.5435	0.287	-1.4637	4.7971
				2			
		MS	-1.333	2.0209	0.514	-5.432	2.7653
				4			
		MM	2.691	1.5747	0.096	-0.5032	5.8841
	AM			1			
		AM	-0.667	2.0209	0.743	-4.7653	3.432
				4			
		DS	-1.024	0.8820	0.253	-2.8126	0.765
				1			
		MS	-4.024*	1.5747	0.015	-7.2175	-0.8302
				1			
		MMS	-2.691	1.5747	0.096	-5.8841	0.5032
				1			
		AM	-3.357*	1.575	0.04	-6.5508	-0.1635
				1			
		DS	2.333	1.544	0.139	-0.797	5.464
		MS	-0.667	2.02	0.743	-4.765	3.432
		MMS	0.667	2.021	0.743	-3.432	4.77
		MM	3.357*	1.575	0.04	0.163	6.551

* The mean difference is significant at the 0.05 level.

Table S3: Descriptives

Score		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Family	DS	18	3.9444	1.39209	0.32812	3.252	4.637	2	8
	MS	3	6.6667	0.57735	0.33333	5.232	8.101	6	7
	MMS	3	6	1.73205	1	1.697	10.302	4	7

Genus	MM	14	3.5764	1.56704	0.41881	2.671	4.481	2	8
	AM	3	4.6667	2.08167	1.20185	-0.505	9.838	3	7
	Total	41	4.2212	1.69874	0.2653	3.685	4.757	2	8
	DS	18	5.3483	1.90801	0.44972	4.4	6.3	2	10
	MS	3	8	0	0	8	8	8	8
	MMS	3	7	1.73205	1	2.697	11.303	5	8
	MM	14	4.4286	3.29835	0.88152	2.524	6.333	2	12
Species	AM	3	8	2.64575	1.52753	1.428	14.572	5	10
	Tot al	41	5.5432	2.66447	0.41612	4.702	6.384	2	12
	DS	18	5.6667	2.11438	0.49836	4.615	6.718	2	10
	MS	3	8.6667	1.1547	0.66667	5.798	11.535	8	10
	MMS	3	7.3333	1.1547	0.66667	4.465	10.202	6	8
	MM	14	4.6429	3.17701	0.84909	2.809	6.477	3	12
	AM	3	8	2	1.1547	3.032	12.968	6	10
	Total	41	5.829	2.673	0.418	4.986	6.673	2	12