APPENDIX

Bonferroni multiple comparisons of richness and diversity measures along the elevational gradients presenting statistically significant probabilities only.

1. Tree species richness along north facing transect.

p-values	2195	2410	2700	2850	3062	3250	3455	3671	3880	4077
2195			0.004			0.0001				
2410						0.009				
2700										
2850										
3062						0.001				
3250								0.019	0.001	0.004
3455										
3671										
3880										
4077										

2. Tree species richness along south facing transect.

p-values	3042	3242	3446	3632	3840	4045
3042						0.0001
3242						0.0001
3446						0.0001
3632						0.002
3840						0.0001
4045						

3. Herb-shrub species richness along north facing transect.

p-values	2195	2410	2700	2850	3062	3250	3455	3671	3880	4077	4255	4460
1997	0.0001	0.0001	0.0001	0.0001		0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
2195		0.0001	0.0001	0.001		0.041		0.0001	0.003	0.002		
2410				0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
2700				0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
2850					0.0001						0.0001	0.0001
3062						0.0001	0.003	0.0001	0.0001	0.0001		
3250											0.022	0.021
3455								0.009				
3671											0.0001	0.0001
3880											0.001	0.001
4077											0.001	0.001
4255												
4460												

4. **Herb-shrub species richness along south facing transect.**

p-values	2455	2614	2820	2947	3042	3242	3446	3632	3840	4045	4245	4422
2341											0.0001	0.006
2455								0.002			0.0001	
2614											0.0001	0.001
2820							0.003	0.0001			0.016	
2947							0.016	0.0001			0.003	
3042								0.004			0.0001	
3242							0.029	0.0001			0.002	
3446											0.0001	0.0001
3632											0.0001	0.0001
3840											0.0001	0.006
4045											0.0001	0.002
4245												
4422												

5. **Useful herb-shrub species richness along north facing transect.**

p-values	2195	2410	2700	2850	3062	3250	3455	3671	3880	4077	4255	4460
1997	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.016
2195			0.0001	0.001				0.006				
2410			0.0001	0.001				0.003	0.027			
2700				0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
2850						0.035					0.041	0.0001
3062												0.024
3250												
3455												
3671												0.0001
3880												0.0001
4077												0.001
4255												
4460												

6. **Useful herb-shrub species richness along south facing transect.**

p-values	2455	2614	2820	2947	3042	3242	3446	3632	3840	4045	4245	4422
2341								0.003			0.0001	
2455								0.0001			0.003	
2614								0.001			0.001	
2820								0.001			0.001	
2947							0.007	0.0001			0.026	
3042							0.0001	0.0001	0.011	0.002		
3242							0.0001	0.0001	0.005	0.001		
3446											0.0001	0.0001
3632											0.0001	0.0001

3840			0.0001	0.026
4045			0.0001	0.005
4245				
4422				

7. Tree species diversity along north facing transect.

p-values	2195	2410	2700	2850	3062	3250	3455	3671	3880	4077
2195			0.0001			0.0001	0.009			
2410										
2700					0.032				0.017	
2850						0.002				
3062						0.001				
3250									0.0001	0.028
3455										
3671										
3880										
4077										

8. Tree species diversity along south facing transect.

p-values	3446	3632	4045
3446			0.016
3632			0.033
4045			

9. Herb-shrub species diversity along north facing transect.

p-values	1997	2195	2410	2700	2850	3062	3250	3455	3671	3880	4077	4255	4460
1997													
2195									0.004	0.025			
2410									0.0001	0.0001	0.014		
2700									0.0001	0.0001			
2850													
3062									0.0001	0.0001			
3250									0.023				
3455									0.015				
3671												0.001	0.0001
3880												0.007	0.0001
4077													0.011
4255													
4460													

10. Herb-shrub species diversity along south facing transect.

p-values	2341	2455	2614	2820	2947	3042	3242	3446	3632	3840	4045	4245	4422
2341													
2455													
2614													
2820													
2947						0.029		0.001	0.006				
3042							0.008					0.0001	
3242								0.0001	0.002				
3446											0.022	0.0001	
3632												0.0001	
3840													
4045													
4245													
4422													

11. Useful herb-shrub species diversity along north facing transect.

p-values	1997	2195	2410	2700	2850	3062	3250	3455	3671	3880	4077	4255	4460
1997													
2195									0.003	0.003			
2410									0.0001	0.0001			
2700									0.0001	0.0001			
2850													
3062									0.003	0.003			
3250													
3455									0.032	0.029			
3671												0.001	0.0001
3880												0.001	0.0001
4077													
4255													
4460													

12. Useful herb-shrub species diversity along south facing transect.

p-values	2341	2455	2614	2820	2947	3042	3242	3446	3632	3840	4045	4245	4422
2341									0.002				
2455													
2614								0.033	0.0001				
2820									0.049				
2947								0.012	0.0001				
3042													
3242								0.0001	0.0001				
3446												0.0001	

3632				0.0001	0.047
3840					
4045					
4245					
4422					