

Supplementary material

Thirty-four species present in the soil seed bank and ungulate-mediated endozoochory experiments. (✓) Indicates that the species was present and (–) indicating the species was not present. OF means Old Fields (positive transect direction from edge) and NA means Natural Areas (negative transect direction from edge).

	Soil seed bank experiment					Ungulate-mediated endozoochory experiment				
	+50 (OF)	+30 (OF)	+10 (OF)	-10 (NA)	-50 (NA)	<i>Ceratotheriu</i> <i>m simum</i>	<i>Aepyceros</i> <i>melampus</i>	<i>Equus</i> <i>quagga</i>	<i>Connochaetes</i> <i>taurinus</i>	<i>Tragelaphus</i> <i>strepsiceros</i>
Trees and shrubs										
<i>Vachellia</i> <i>nilotica</i>	✓	-	✓	✓	✓	-	✓	-	-	-
<i>Vachellia</i> <i>karroo</i>	✓	✓	✓	✓	-	-	✓	-	-	✓
<i>Grewia spp.</i>	-	-	-	✓	✓	-	-	-	-	-
<i>Lippia javanica</i>	✓	✓	✓	-	✓	-	✓	-	✓	✓
<i>Vachellia spp.</i>	-	-	✓	✓	✓	-	-	-	-	-

<i>Ziziphus</i>										
<i>mucronata</i>	-	-	-	✓	✓	-	-	-	-	-
<i>Mimusops</i>										
<i>zeyheri</i>	-	-	✓	-	✓	-	-	-	-	-
<i>Pterocarpus</i>										
<i>rotundifolius</i>	-	✓	✓	-	✓	-	-	-	-	-
<i>Senegalia</i>										
<i>caffra</i>	-	-	-	✓	✓	-	-	-	-	-
<i>Peltophorum</i>										
<i>africanum</i>	-	-	✓	-	-	-	-	-	-	-
<i>Senegalia</i>										
<i>nigrescens</i>	-	✓	✓	-	-	-	-	-	-	-
<i>Senegalia</i>										
<i>senegal</i>	-	-	-	✓	✓	-	-	-	-	-
<i>Vachellia</i>										
<i>tortilis</i>	-	-	-	✓	✓	-	-	-	-	-

<i>Grewia bicolor</i>	-	-	-	-	✓	-	-	-	-	-
Forbs										
<i>Pseudognaphalium spp.</i>	-	-	✓	✓	✓	✓	-	✓	✓	-
<i>Gomphrena celosioides</i>	✓	-	✓	✓	✓	-	-	-	-	-
<i>Felicia mossanedensis</i>	-	-	-	✓	✓	-	-	-	-	-
<i>Datura stramonium</i>	-	✓	-	✓	✓	-	✓	-	✓	-
<i>Hibiscus sp</i>	✓	✓	-	✓	-	-	✓	-	✓	✓
<i>Solanum incanum</i>	✓	✓	✓	-	-	-	-	-	-	-
<i>Solanum panduriforme</i>	✓	✓	✓	-	✓	-	-	-	-	-
<i>Felicia sp</i>	-	✓	✓	✓	✓	✓	-	✓	-	✓

<i>Xerochrysum</i>										
<i>bracteatum</i>	✓	✓	-	✓	✓	-	✓	-	✓	✓
<i>Emilia</i>										
<i>transvaalensis</i>	✓	✓	-	✓	-	-	-	-	-	-
Grasses										
<i>Heteropogon</i>										
<i>contortus</i>	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
<i>Aristida</i>										
<i>congesta</i>	✓	✓	✓	✓	-	✓	✓	✓	✓	✓
<i>Cynodon</i>										
<i>dactylon</i>	✓	✓	✓	✓	-	✓	✓	✓	✓	✓
<i>Panicum</i>										
<i>maximum</i>	✓	✓	✓	-	-	✓	✓	✓	✓	✓
<i>Eragrostis</i>										
<i>lehmanniana</i>	✓	✓	-	-	-	✓	✓	✓	✓	✓
<i>Enneapogon</i>	✓	✓	-	-	✓	✓	-	✓	✓	✓

<i>cenchroides</i>										
<i>Arundinella</i>										
<i>nepalensis</i>	✓	✓	✓	-	✓	-	-	-	-	-
<i>Brachiaria</i>										
<i>deflexa</i>	✓	-	✓	✓	✓	-	-	-	-	-
<i>Digitaria</i>										
<i>eriantha</i>	✓	-	-	✓	✓	-	-	-	-	-
<i>Eragrostis</i>										
<i>inamoena</i>	✓	-	-	✓	✓	-	-	-	-	-