Supplementary Table 1. Beetle collections from clonal *Eucalyptus pellita* and *Acacia crassicarpa* compartments screened, and the detection of *Ceratocystis* using culture based and culture independent methods.

Code	Compartment: Trap	Identification	GenBank Accession No.		Carrot baiting (500ul)	qPCR (+ detection cq value < 34)	Copy number
			COI	28s	- No *Ceratocystis* + *Ceratocystis*	- No *Ceratocystis* + *Ceratocystis*	COI
25th April 2022							
Clonal *Eucalyptus pellita* TEE (E1-5)							
B2	E2 Trap 1	*Epuraea* sp. H1	PQ278135	PQ284653	-	+ (Cq avg. 32.54)	6,73 x 10^3
B3	E2 Trap 1	*Xyleborus affinis*	-	PQ284654	-	-	
B4	E2 Trap 1	*Xyleborus perforans*	-	PQ284655	-	+ (Cq avg. 32,08)	8,9 x 10^3
B5	E2 Trap 1	*X. affinis*	-	PQ284656	-	-	
B9	E2 Trap 2	*X. affinis*	-	PQ284657	-	-	
B12	E2 Trap 3	*X. perforans*	-	PQ284658	-	-	
B16	E2 Trap 3	*X. affinis*	-	PQ284659	-	+ (Cq avg. 33,80)	3,14 x 10^3
B19	E3 Trap 1	*X. perforans*	-	PQ284660	-	+ (Cq avg. 31,67)	1,14 x 10^4
B20	E3 Trap 1	*X. perforans*	-	PQ284661	-	-	
B21	E3 Trap 2	*Epuraea* sp. H1	-	PQ284662	-	-	
B22	E3 Trap 2	*X. perforans*	-	PQ284663	-	-	
B23	E3 Trap 2	*X. perforans*	PQ278136		-	-	
B24	E3 Trap 5	*Xylosandrus crassiusculus*	PQ278137		-	+ (Cq avg. 33,54)	3,67 x 10^3
B25	E3 Trap 5	*Epuraea* sp. H1	-	PQ284664	-	+ (Cq avg. 33,55)	3,65 x 10^3
B30	E1 Trap 2	*X. crassiusculus* H2	-	PQ284665	-	+ (Cq avg. 31,29)	1,44 x 10^4
B31	E1 Trap 2	*Hypothenemus* sp.	PQ278138		-	+ (Cq avg. 31,73)	1,1 x 10^4
B32	E1 Trap 2	*Hypothenemus* sp. H6	-	PQ284666	-	-	
B33	E1 Trap 2	*Hypothenemus* sp. H6	-	PQ284667	-	-	
B34	E1 Trap 2	*Hypothenemus* sp. H5	-	PQ284668	-	-	
B35	E1 Trap 3	*Epuraea* sp. H1	-	PQ284669	-	-	
B40	E1 Trap 4	*Stictodex dimidiatus* (syn. *Xyleborus decumans*)	-	PQ284670	-	-	

B41	E3 Trap 1	*X. perforans*	-	PQ284671	-	+ (Cq avg. 32,06)	9,01 x 10^3
B42	E3 Trap 1	*Epuraea* sp. H1	-	PQ284672	-	-	
B48	E3 Trap 2	*X. affinis*	-	PQ284673	-	+ (Cq avg. 31,23)	1,49 x 10^4
B49	E3 Trap 2	*X. perforans*	-	PQ284674	-	-	
B50	E3 Trap 4	*X. affinis*	-	PQ284675	-	-	
B51	E3 Trap 4	*X. affinis*	-	PQ284676	-	+ (Cq avg. 33,01)	5,06 x 10^3
B54	E3 Trap 5	*X. perforans*	-	PQ284677	-	-	
		***Acacia crassicarpa* Pelalawan (A1-5)**					
B58	A5 Trap 1	*Hypothenemus* sp. H1	-	PQ284678	-	-	
B63	A5 Trap 3	*Epuraea* sp. H1	-	PQ284679	-	+ (Cq avg. 31,81)	1,05 x 10^4
B72	A4 Trap 1	*Epuraea* sp. H1	-	PQ284680	-	+ (Cq avg. 33,01)	5,06 x 10^3
B75	A4 Trap 2	*Glostatus* sp. (syn.*Stephanopodius*)	-	PQ284681	-	+ (Cq avg. 29,39)	4,54 x 10^4
B76	A4 Trap 1	*Hypothenemus* sp. H6	-	PQ284682	-	+ (Cq avg. 33,13)	4,71 x 10^3
B79	A4 Trap 3	*Epuraea* sp. H1	-	PQ284683	-	+ (Cq avg. 33,26)	4,35 x 10^3
B81	A4 Trap 3	*Hypothenemus* sp. H6	-	PQ284684	-	-	
B82	A4 Trap 3	*Hypothenemus* sp. H6	-	PQ284685	-	-	
B85	A4 Trap 1	*Epuraea* sp. H1	-	PQ284686	-	+ (Cq avg. 30,51)	2,3 x 10^4
B95	A4 Trap 5	*Epuraea* sp.	-	-	-	+ (Cq avg. 30,38)	2,49 x 10^4
B103	A1 Trap 5	Beaverium sp.	PQ278139	-	-	+ (Cq avg. 33,52)	3,72 x 10^3
B107	A2 Trap 4	*Xyleborus spinulosus* (syn. *Xyleborus artespinulosus*)	-	PQ284687	-	+ (Cq avg. 33,27)	4,33 x 10^3
B110	A2 Trap 1	*Xyleborinus sharpae*	-	PQ284688	-	-	
B114	A3 Trap 3	*Euwallacea similis*	-	PQ284689	-	+ (Cq avg. 27,19)	1,72 x 10^5
B115	A2 Trap 5	*Xyleborinus exiguus* (syn. *Xyleborinus perexiguus*)	-	PQ284690	-	-	
B117	A5 Trap 5	*Hypothenemus* sp. H1	-	PQ284691	-	-	
B124	A3 Trap 4	*E. similis*	-	PQ284692	-	+ (Cq avg. 31,77)	1,07 x 10^4
B126	A2 Trap 3	*X. crassiusculus* H1	-	PQ284693	-	-	
B129	A2 Trap 4	*X. crassiusculus* H2	-	PQ284694	-	+ (Cq avg. 33,72)	3,29 x 10^3
B155	A2 Trap 2	*Epuraea* sp. H1	-	PQ284695	-	-	
B156	A2 Trap 2	*X. perforans*	-	PQ284696	-	-	
B157	A2 Trap 3	*X. perforans*	-	PQ284697	-	-	

B158	A2 Trap 3	*X. sharpae*	-	PQ284698	-	-	
			29th April 2022				
			Eucalyptus				
B160	E2 Trap 1	*X. perforans*	-	PQ284699	-	-	
B161	E2 Trap 1	*X. affinis*	-	PQ284700	-	+ (Cq avg. 33,35)	4,12 x 10^3
B162	E2 Trap 1	*S. dimidiatus*	-	PQ284701	-	+ (Cq avg. 33,93)	2,9 x 10^3
B163	E2 Trap 1	*S. dimidiatus*	-	PQ284702	-	+ (Cq avg. 33,76)	3,22 x 10^3
B164	E2 Trap 2	*X. perforans*	-	PQ284703	-	-	
B165	E2 Trap 2	*X. affinis*	-	PQ284704	-	-	
B166	E2 Trap 2	*X. perforans*	-	PQ284705	-	+ (Cq avg. 33,17)	4,6 x 10^3
B167	E2 Trap 2	*X. perforans*	-	PQ284706	-	-	
B168	E2 Trap 2	*X. perforans*	-	PQ284707	-	-	
B169	E2 Trap 3	*X. affinis*	-	PQ284708	-	+ (Cq avg. 32,50)	6,9 x 10^3
B170	E2 Trap 4	*S. dimidiatus*	-	PQ284709	-	+ (Cq avg. 33,71)	3,31 x 10^3
B171	E2 Trap 5	*S. dimidiatus*	-	PQ284710	-	+ (Cq avg. 33,93)	2,9 x 10^3
B172	E2 Trap 5	*S. dimidiatus*	-	PQ284711	-	+ (Cq avg. 33,57)	3,61 x 10^3
B173	E2 Trap 5	*S. dimidiatus*	-	PQ284712	-	+ (Cq avg. 32,04)	9,12 x 10^3
B174	E2 Trap 5	*X. perforans*	-	PQ284713	-	+ (Cq avg. 33,32)	4,2 x 10^3
B175	E2 Trap 5	*X. sharpae*	-	PQ284714	-	-	
B176	E2 Trap 5	*X. crassiusculus* H2	-	PQ284715	-	-	
B177	E1 Trap 1	*Epuraea* sp. H1	-	PQ284716	-	-	
B178	E1 Trap 1	*S. dimidiatus*	-	PQ284717	-	-	
B180	E1 Trap 2	*S. dimidiatus*	-	PQ284718	-	+ (Cq avg. 32,57)	6,61 x 10^3
B181	E1 Trap 2	*S. dimidiatus*	PQ278140	PQ284719	-	-	
B182	E1 Trap 2	*X. perforans*	-	PQ284720	-	+ (Cq avg. 33,04)	4,97 x 10^3
B183	E1 Trap 2	*X. exiguus*	PQ278141	PQ284721	-	+ (Cq avg. 33,19)	4,54 x 10^3
B184	E1 Trap 2	*X. exiguus*	-	PQ284722	-	+ (Cq avg. 32,67)	6,22 x 10^3
B185	E1 Trap 2	*Hypothenemus* sp. H4	-	PQ284723	-	-	
B188	E1 Trap 4	*S. dimidiatus*	-	PQ284724	-	+ (Cq avg. 32,74)	5,97 x 10^3
B189	E1 Trap 4	*S. dimidiatus*	-	PQ284725	-	+ (Cq avg. 32,69)	6,15 x 10^3

B190	E1 Trap 4	*S. dimidiatus*	-	PQ284726	-	+ (Cq avg. 31,62)	1,18 x 10^4
B191	E1 Trap 4	*S. dimidiatus*	-	PQ284727	-	+ (Cq avg. 32,71)	6,07 x 10^3
B192	E1 Trap 4	*Epuraea* sp. H1	-	PQ284728	-	-	
B194	E3 Trap 1	*X. affinis*	-	PQ284729	-	-	
B195	E3 Trap 1	*X. affinis*	-	PQ284730	-	-	
B196	E3 Trap 1	*X. spinulosus*	-	PQ284731	-	+ (Cq avg. 32,43)	7,2 x 10^3
B197	E3 Trap 1	*X. affinis*	-	PQ284732	-	+ (Cq avg. 33,16)	4,62 x 10^3
B198	E3 Trap 1	*S. dimidiatus*	-	PQ284733	-	-	
B199	E3 Trap 1	*S. dimidiatus*	-	PQ284734	-	+ (Cq avg. 32,93)	5,32 x 10^3
B200	E3 Trap 1	*S. dimidiatus*	-	PQ284735	-	+ (Cq avg. 33,75)	3,23 x 10^3
B201	E3 Trap 1	*S. dimidiatus*	-	PQ284736	-	-	
B202	E3 Trap 1	*S. dimidiatus*	-	PQ284737	-	+ (Cq avg. 33)	5,1 x 10^3
B203	E3 Trap 1	*X. sharpae*	-	PQ284738	-	-	
B204	E3 Trap 2	*S. dimidiatus*	PQ278142	PQ284739	-	+ (Cq avg. 31,86)	1,02 x 10^4
B205	E3 Trap 2	*S. dimidiatus*	-	PQ284740	-	+ (Cq avg. 33,63)	3,48 x 10^3
B206	E3 Trap 2	*S. dimidiatus*	-	PQ284741	-	-	
B207	E3 Trap 2	*S. dimidiatus*	-	PQ284742	-	-	
B208	E3 Trap 2	*Epuraea* sp. H1	-	PQ284743	-	-	
B209	E3 Trap 2	*X. perforans*	-	PQ284744	-	-	
B211	E3 Trap 3	*S. dimidiatus*	-	PQ284745	-	-	
B212	E3 Trap 3	*Xyleborus bispinatus*	PQ278143		-	-	
B213	E3 Trap 3	*X. exiguus*	-	PQ284746	-	+ (Cq avg. 32,97)	5,19 x 10^3
B215	E3 Trap 3	*X. perforans*	-	PQ284747	-	-	
B216	E3 Trap 3	*X. perforans*	-	PQ284748	-	-	
B217	E3 Trap 3	*Hypothenemus* sp. H6	-	PQ284749	-	+ (Cq avg. 32,05)	9,06 x 10^3
B218	E3 Trap 3	*X. affinis*	-	PQ284750	-	-	
B219	E3 Trap 4	*S. dimidiatus*	-	PQ284751	-	-	
B220	E3 Trap 4	*S. dimidiatus*	-	PQ284752	-	-	
B221	E3 Trap 4	*S. dimidiatus*	-	PQ284753	-	-	
B222	E3 Trap 4	*Epuraea* sp. H1	-	PQ284754	-	+ (Cq avg. 33,38)	4,05 x 10^3
B223	E3 Trap 4	*Epuraea* sp. H2	-	PQ284755	-	-	

B226	E5 Trap 1	*Hypothenemus* sp. H6	-	PQ284756	-	+ (Cq avg. 28,94)	5,97 x 10^4
B227	E5 Trap 2	*X. perforans*	-	PQ284757	-	+ (Cq avg. 32,87)	5,51 x 10^3
B228	E5 Trap 2	*X. perforans*	-	PQ284758	-	+ (Cq avg. 33,73)	3,27 x 10^3
B231	E5 Trap 4	*X. perforans*	-	PQ284759	-	-	
B234	E5 Trap 5	*X. affinis*	-	PQ284760	-	-	
B235	E4 Trap 1	*Epuraea* sp. H2	-	PQ284761	-	+ (Cq avg. 33,07)	4,88 x 10^3
			A. crassicarpa				
B236	A5 Trap 1	*E. similis*	-	PQ284762	-	+ (Cq avg. 31,66)	1,15 x 10^4
B237	A5 Trap 1	*Hypothenemus* sp. H6	-	PQ284763	-	+ (Cq avg. 33,38)	4,05 x 10^3
B240	A5 Trap 1	*Hypothenemus* sp. H6	-	PQ284764	-	-	
B241	A5 Trap 1	*Hypothenemus* sp. H6	-	PQ284765	-	+ (Cq avg. 33,24)	4,41 x 10^3
B243	A5 Trap 1	*Hypothenemus* sp. H6	-	PQ284766	-	+ (Cq avg. 32,71)	6,07 x 10^3
B246	A5 Trap 3	*Hypothenemus* sp. H6	-	PQ284767	-	+ (Cq avg. 32,78)	5,82 x 10^3
B247	A5 Trap 3	*Hypothenemus* sp. H2	-	PQ284768	-	+ (Cq avg. 33,17)	4,6 x 10^3
B250	A5 Trap 3	*Hypothenemus* sp. H6	-	PQ284769	-	-	
B258	A4 Trap 2	*X. affinis*	-	PQ284770	-	-	
B259	A4 Trap 2	*X. perforans*	-	PQ284771	-	-	
B261	A4 Trap 2	*Hypothenemus* sp.	PQ278144		-	+ (Cq avg. 33,75)	3,23 x 10^3
B265	A4 Trap 2	*Hypothenemus* sp. H1	-	PQ284772	-	+ (Cq avg. 33,06)	4,91 x 10^3
B266	A4 Trap 3	*Hypothenemus* sp. H6	-	PQ284773	-	+ (Cq avg. 31,78)	1,07 x 10^4
B267	A4 Trap 3	*Hypothenemus* sp. H6	-	PQ284774	-	-	
B268	A4 Trap 3	*Hypothenemus* sp. H6	-	PQ284775	-	+ (Cq avg. 31,09)	1,62 x 10^4
B269	A4 Trap 3	*Hypothenemus* sp. H6	-	PQ284776	-	+ (Cq avg. 33,05)	4,94 x 10^3
B270	A4 Trap 3	*Hypothenemus* sp. H1	-	PQ284777	-	+ (Cq avg. 31,38)	1,36 x 10^4
B277	A4 Trap 5	*Hypothenemus* sp. H6	-	PQ284778	-	-	
B278	A4 Trap 5	*Hypothenemus* sp. H6	-	PQ284779	-	+ (Cq avg. 32,84)	5,61 x 10^3
B279	A4 Trap 5	*Hypothenemus* sp. H6	-	PQ284780	-	+ (Cq avg. 32,66)	6,26 x 10^3
B283	A1 Trap 3	*X. affinis*	-	PQ284781	-	+ (Cq avg. 33,41)	3,97 x 10^3
B284	A1 Trap 3	*Epuraea* sp. H2	-	PQ284782	-	-	
B287	A3 Trap 1	*X. crassiusculus* H2	PQ278145	PQ284783	-	+ (Cq avg. 33,42)	3,95 x 10^3

B288	A3 Trap 1	*Hypothenemus* sp. H6	-	PQ284784	-	+ (Cq avg. 33,05)	4,94 x 10^3
B290	A3 Trap 2	*X. perforans*	-	PQ284785	-	+ (Cq avg. 33,59)	3,56 x 10^3
B291	A3 Trap 3	*Hypothenemus* sp. H1	-	PQ284786	-	+ (Cq avg. 33,17)	4,6 x 10^3
B292	A2 Trap 2	*Epuraea* sp. H2	-	PQ284787	-	+ (Cq avg. 32,91)	5,38 x 10^3
B295	A2 Trap 1	*Epuraea* sp. H2	-	PQ284788	-	-	
B299	A2 Trap 4	*Epuraea* sp. H2	-	PQ284789	-	+ (Cq avg. 33,64)	3,46 x 10^3
B300	A2 Trap 4	*Epuraea* sp. H2	-	PQ284790	-	-	
B301	A2 Trap 4	*Epuraea* sp. H2	-	PQ284791	-	-	
B302	A2 Trap 5	*Epuraea* sp. H2		PQ284792	-	+ (Cq avg. 33,13)	4,71 x 10^3
B303	A2 Trap 5	*Epuraea* sp. H2	-	PQ284793	-	+ (Cq avg. 33,70)	3,33 x 10^3
			4th May 2022				
			Eucalyptus				
B304	E2 Trap 1	*X. perforans*	PQ278146	-	-	-	
B305	E2 Trap 1	*X. exiguus*	PQ278147	-	-	+ (Cq avg. 33,20)	4,51 x 10^3
B306	E2 Trap 14	*S. dimidiatus*	-	PQ284794	-	-	
B307	E2 Trap 3	*X. exiguus*	PQ278148	PQ284795	-	-	
B312	E2 Trap 5	*X. crassiusculus*	PQ278149	PQ284796	-	+ (Cq avg. 31,54)	1,23 x 10^4
B317	E3 Trap 1	*X. perforans*	-	PQ284796	-	-	
B318	E3 Trap 2	*Hypothenemus* sp. H2	-	PQ284797	-	-	
B319	E3 Trap 3	*Epuraea* sp. H2	-	PQ284798	-	+ (Cq avg. 33,49)	3,79 x 10^3
B322	E3 Trap 5	*X. affinis*	-	PQ284799	-	-	
			A. crassicarpa				
B329	A5 Trap 1	*X. perforans*	-	PQ284800	-	+ (Cq avg. 32,97)	5,19 x 10^3
B330	A5 Trap 1	*X. perforans*	-	PQ284801	-	+ (Cq avg. 31,29)	1,44 x 10^4
B331	A5 Trap 1	*X. perforans*	-	PQ284802	-	+ (Cq avg. 33,17)	4,6 x 10^3
B332	A5 Trap 1	*X. perforans*	-	PQ284803	-	-	
B333	A5 Trap 1	*Hypothenemus* sp. H3	-	PQ284804	-	-	
B334	A5 Trap 1	*Hypothenemus* sp. H3	-	PQ284805	-	+ (Cq avg. 33,58)	3,59 x 10^3
B337	A5 Trap 1	*Hypothenemus* sp. H4	-	PQ284806	-	+ (Cq avg. 32,35)	7,56 x 10^3
B341	A4 Trap 1	*X. affinis*	-	PQ284807	-	-	

B342	A4 Trap 1	*X. perforans*	-	PQ284808	-	-	
B343	A4 Trap 1	*X. affinis*	-	PQ284809	-	-	
B345	A4 Trap 3	*Hypothenemus* sp. H6	-	PQ284810	-	-	
B346	A4 Trap 3	*Hypothenemus* sp. H6	-	PQ284811	-	+ (Cq avg. 33,73)	3,27 x 10^3
B349	A4 Trap 3	*Hypothenemus* sp. H6	-	PQ284812	-	-	
B350	A4 Trap 3	*Hypothenemus* sp. H6	-	PQ284813	-	-	
B351	A4 Trap 3	*X. perforans*	-	PQ284814	-	-	
B352	A4 Trap 3	*Hypothenemus* sp. H6	-	PQ284815	-	-	
B364	A4 Trap 4	*Hypothenemus* sp. H6	-	PQ284816	-	-	
B365	A4 Trap 4	*X. affinis*	-	PQ284817	-	+ (Cq avg. 32,75)	5,93 x 10^3
B366	A4 Trap 4	*Epuraea* sp. H2	-	PQ284818	-	-	
B368	A1 Trap 3	*X. perforans*	PQ278150	-	-	+ (Cq avg. 31,85)	1,23 x 10^4
B369	A1 Trap 3	*X. affinis*	-	PQ284819	-	+ (Cq avg. 33,13)	4,71 x 10^3
B370	A1 Trap 3	*Hypothenemus* sp. H6	-	PQ284820	-	+ (Cq avg. 33,32)	4,2 x 10^3
B371	A3 Trap 1	*X. crassiusculus*	PQ278151	-	-	+ (Cq avg. 32,59)	6,53 x 10^3
B372	A3 Trap 1	*Epuraea* sp. H2	-	PQ284821	-	+ (Cq avg. 32,80)	5,75 x 10^3
B374	A3 Trap 2	*X. perforans*	-	PQ284822	-	-	
B375	A3 Trap 2	*Hypothenemus* sp. H1	-	PQ284823	-	-	
B380	A2 Trap 2	*X. affinis*	-	PQ284824	-	+ (Cq avg. 33,18)	4,57 x 10^3
B381	A2 Trap 2	*X. affinis*	-	PQ284825	-	+ (Cq avg. 33,14)	4,68 x 10^3
B383	A2 Trap 3	*X. perforans*	-	PQ284826	-	-	
B384	A2 Trap 3	*X. perforans*	-	PQ284827	-	+ (Cq avg. 32,38)	7,42 x 10^3
B385	A2 Trap 3	*Hypothenemus* sp. H1	-	PQ284828	-	+ (Cq avg. 31,94)	9,69 x 10^3
B386	A2 Trap 3	*Hypothenemus* sp. H6	-	PQ284829	-	-	
B387	A2 Trap 3	*Hypothenemus* sp. H1	-	PQ284830	-	+ (Cq avg. 33,36)	4,1 x 10^3
B391	A2 Trap 4	*X. sharpae*	-	PQ284831	-	+ (Cq avg. 33,58)	3,59 x 10^3
B392	A2 Trap 4	*X. perforans*	-	PQ284832	-	+ (Cq avg. 32,71)	6,07 x 10^3
B393	A2 Trap 4	*X. perforans*	-	PQ284833	-	-	
B394	A2 Trap 4	*X. perforans*	-	PQ284834	-	-	
B397	A2 Trap 5	*Epuraea* sp. H2	-	PQ284835	-	+ (Cq avg. 32,58)	6,57 x 10^3

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			Eucalyptus				
B401	E2 Trap 2	*X. perforans*	-	PQ284836	-	+ (Cq avg. 32,28)	7,88 x 10^3
B403	E2 Trap 3	*X. perforans*	-	PQ284837	-	+ (Cq avg. 32,66)	6,26 x 10^3
B412	E1 Trap 3	*X. crassiusculus* H2	-	PQ284838	-	+ (Cq avg. 32,32)	7,69 x 10^3
B413	E1 Trap 4	*Hypothenemus* sp. H6	PQ278152	-	-	-	
B414	E1 Trap 4	*X. affinis*	-	PQ284839	-	-	
B415	E3 Trap 2	*X. perforans*	PQ278153	-	-	+ (Cq avg. 33,45)	3,88 x 10^3
B418	E3 Trap 1	*S. dimidiatus*	-	PQ284840	-	+ (Cq avg. 32,44)	7,15 x 10^3
B421	E3 Trap 3	*X. perforans*	-	PQ284841	-	+ (Cq avg. 33,56)	3,63 x 10^3
B422	E3 Trap 3	*S. dimidiatus*	-	PQ284842	-	+ (Cq avg. 33,08)	4,85 x 10^3
B423	E3 Trap 3	*S. dimidiatus*	-	PQ284843	-	+ (Cq avg. 33,41)	3,97 x 10^3
B430	E3 Trap 4	*X. affinis*	-	PQ284844	-	+ (Cq avg. 32,81)	5,72 x 10^3
B435	E5 Trap 1	*X. exiguus*	-	PQ284845	-	-	
			A. crassicarpa				
B437	A5 Trap 2	*Hypothenemus* sp. H6	-	PQ284846	-	-	
B442	A4 Trap 1	*Hypothenemus* sp. H6	-	PQ284847	-	+ (Cq avg. 31,54)	1,23 x 10^4
B443	A4 Trap 2	*Hypothenemus* sp. H3	-	PQ284848	-	-	
B448	A4 Trap 3	*Hypothenemus* sp. H1	-	PQ284849	-	+ (Cq avg. 33,66)	3,42 x 10^3
B449	A4 Trap 3	*Hypothenemus* sp. H6	-	PQ284850	-	-	
B452	A4 Trap 4	*Hypothenemus* sp. H6	-	PQ284851	-	-	
B454	A4 Trap 5	*Hypothenemus* sp. H6	-	PQ284852	-	-	
B455	A4 Trap 5	*Hypothenemus* sp. H6	-	PQ284853	-	-	
B456	A1 Trap 1	*X. affinis*	-	PQ284854	-	-	
B457	A3 Trap 1	*X. perforans*	-	PQ284855	-	-	
B460	A3 Trap 3	*Hypothenemus* sp.	PQ278154	PQ284856	-	+ (Cq avg. 31,03)	1,68 x 10^4
B461	A3 Trap 3	*X. perforans*	-	PQ284856	-	+ (Cq avg. 31)	1,71 x 10^4
B464	A3 Trap 4	*X. sharpae*	-	PQ284857	-	+ (Cq avg. 32,97)	5,19 x 10^3
B470	A2 Trap 5	*X. sharpae*	-	PQ284858	-	-	
Pos 1	E3 Trap 2	*Xyleborus* sp. (*X. affinis/X. perforans*)			+	+ (Cq avg. 33,23)	4,43 x 10^3
Pos 2	E3 Trap 2	*Xyleborus* sp. (*X. affinis/X. perforans*)			+		

		Manually extracted beetles					
		Identification based on morphology only					
B472	A3 Tree 1	*E. similis*	-	-	-	-	
B473	A3 Tree 1	*E. similis*	-	-	-	-	
B474	A3 Tree 1	*Euwalacea perbrevis*	-	-	-	-	
B475	A3 Tree 1	*E. perbrevis*	-	-	-	-	
B478	A1 Tree 1	*E. perbrevis*	-	-	-	+ (Cq avg. 30,28)	2,65 x 10^4
B479	A1 Tree 1	*E. similis*	-	-	-	+ (Cq avg. 30,93)	1,79 x 10^4
B480	A1 Tree1	*E. similis*	-	-	-	+ (Cq avg. 32,33)	7,65 x 10^3
B481	A1 Tree1	*E. perbrevis*	-	-	-	-	
B482	A1 Tree1	*E. perbrevis*	-	-	-	-	
		Specimens directly baited onto carrots					
		13th May 2022					
		Eucalyptus					
B483	E2 Trap 2	*Epuraea* sp.			-	N/A	N/A
B485	E2 Trap 3	*Xyleborus* sp. (*X. affinis/X. perforans*)			-	N/A	N/A
B489	E2 Trap 4	*Xyleborinus* sp*. (X. exiguus/X. sharpae)*			-	N/A	N/A
B490	E1 Trap 2	*S. dimidiatus*			-	N/A	N/A
B491	E1 Trap 2	*Xyleborus* sp. (*X. affinis/X. perforans*)			-	N/A	N/A
B492	E1 Trap 2	*Xyleborinus* sp. *(X. exiguus/X. sharpae)*			-	N/A	N/A
B493	E1 Trap 2	*Xyleborinus* sp. *(X. exiguus/X. sharpae)*			-	N/A	N/A
B494	E1 Trap 2	*X. crassiusculus*			-	N/A	N/A
B495	E1 Trap 4	*Epuraea* sp.			-	N/A	N/A
B499	E1 Trap 4	*S. dimidiatus*			-	N/A	N/A
B500	E1 Trap 4	*Xyleborinus* sp*. (X. exiguus/X. sharpae)*			-	N/A	N/A
B501	E3 Trap	*Xyleborus* sp. (*X. affinis/X. perforans*)			-	N/A	N/A
B502	E3 Trap	*Xyleborus* sp. (*X. affinis/X. perforans*)			-	N/A	N/A
B503	E3 Trap	*Xyleborus* sp. (*X. affinis/X. perforans*)			-	N/A	N/A
B504	E3 Trap	*Xyleborus* sp. (*X. affinis/X. perforans*)			-	N/A	N/A
B507	E3 Trap 2	*Xyleborus* sp. (*X. affinis/X. perforans*)			-	N/A	N/A
B510	E3 Trap 3	*Epuraea* sp.			-	N/A	N/A
B512	E3 Trap 4	*Hypothenemus* sp.			-	N/A	N/A

B513	E3 Trap 4	*Hypothenemus* sp.	-	N/A	N/A
B514	E3 Trap 4	*Xyleborus* sp. (*X. affinis/X. perforans*)	-	N/A	N/A
B515	E3 Trap 4	*Epuraea* sp.	-	N/A	N/A
B516	E3 Trap 4	*Epuraea* sp.	-	N/A	N/A
B519	E5 Trap 1	*S. dimidiatus*	-	N/A	N/A
B520	E5 Trap 1	*S. dimidiatus*	-	N/A	N/A
B521	E5 Trap 2	*Epuraea* sp.	-	N/A	N/A
B522	E5 Trap 1	*Xyleborus* sp. (*X. affinis/X. perforans*)	-	N/A	N/A
B524	E4 Trap 1	*Hypothenemus* sp.	-	N/A	N/A
		A. crassicarpa			
B525	A5 Trap 1	*Xyleborus* sp. (*X. affinis/X. perforans*)	-	N/A	N/A
B526	A5 Trap 1	*Hypothenemus* sp.	-	N/A	N/A
B527	A5 Trap 1	*Hypothenemus* sp.	-	N/A	N/A
B529	A5 Trap 2	*Xyleborus* sp. (*X. affinis/X. perforans*)	-	N/A	N/A
B530	A5 Trap 2	*Xyleborus* sp. (*X. affinis/X. perforans*)	-	N/A	N/A
B531	A5 Trap 2	*Hypothenemus* sp.	-	N/A	N/A
B532	A5 Trap 2	*Hypothenemus* sp.	-	N/A	N/A
B533	A5 Trap 2	*Hypothenemus* sp.	-	N/A	N/A
B534	A5 Trap 2	*Hypothenemus* sp.	-	N/A	N/A
B535	A5 Trap 2	*Hypothenemus* sp.	-	N/A	N/A
B536	A5 Trap 2	*Epuraea* sp.	-	N/A	N/A
B537	A5 Trap 3	*Xyleborus* sp. (*X. affinis/X. perforans*)	-	N/A	N/A
B538	A5 Trap 3	*Hypothenemus* sp.	-	N/A	N/A
B539	A5 Trap 3	*Hypothenemus* sp.	-	N/A	N/A
B540	A5 Trap 3	*Hypothenemus* sp.	-	N/A	N/A
B541	A4 Trap 1	*Xyleborus* sp. (*X. affinis/X. perforans*)	-	N/A	N/A
B542	A4 Trap 3	*X. crassiusculus*	-	N/A	N/A
B543	A4 Trap 3	*Hypothenemus* sp.	-	N/A	N/A
B544	A4 Trap 3	*Hypothenemus* sp.	-	N/A	N/A
B545	A4 Trap 3	*Hypothenemus* sp.	-	N/A	N/A
B546	A4 Trap 3	*Hypothenemus* sp.	-	N/A	N/A
B547	A4 Trap 3	*Epuraea* sp.	-	N/A	N/A
B548	A4 Trap 5	*Hypothenemus* sp.	-	N/A	N/A

B549	A4 Trap 5	*Epuraea* sp.	-	N/A	N/A
B550	A4 Trap 5	*Epuraea* sp.	-	N/A	N/A
B551	A4 Trap 5	*Xyleborus* sp. (*X. affinis/X. perforans*)	-	N/A	N/A
B552	A4 Trap 5	*Hypothenemus* sp.	-	N/A	N/A
B553	A4 Trap 5	*Hypothenemus* sp.	-	N/A	N/A
B554	A1 pulled	*Xyleborus* sp. (*X. affinis/X. perforans*)	-	N/A	N/A
B555	A1 pulled	*Xyleborus* sp. (*X. affinis/X. perforans*)	-	N/A	N/A
B556	A1 pulled	*Hypothenemus* sp.	-	N/A	N/A
B557	A3 pulled	*Hypothenemus* sp.	-	N/A	N/A
B558	A3 pulled	*X. crassiusculus*	-	N/A	N/A
B559	A2 Pulled	*X. crassiusculus*	-	N/A	N/A
		Manually extracted beetles			
B561	A1 Tree 2	*E. perbrevis*	-	N/A	N/A
B562	A5 Tree 1	*E. perbrevis*	-	N/A	N/A
B563	A5 Tree 1	*E. perbrevis*	-	N/A	N/A
B564	A5 Tree 1	*E. perbrevis*	-	N/A	N/A
B565	A5 Tree 1	*E. perbrevis*	-	N/A	N/A

Supplementary Table 2. Frass samples collected, and detection of *Ceratocystis* using culture based and culture independent methods.

	Compartment: April -May 2022	Carrot baiting (500ul)	qPCR (+ detection cq value < 34)	Copy numbers
		- No *Ceratocystis* + *Ceratocystis*	- No *Ceratocystis* + *Ceratocystis*	
F1	A SITE 3	-	-	-
F2	A SITE 3	-	+ (Cq avg. 31,22)	1,5 x 10^4
F3	A SITE 3	-	+ (Cq avg. 30,98)	1,73 x 10^4
F4	A SITE 3	-	-	-
F5	A SITE 3	-	+ (Cq avg. 30,50)	2,32 x 10^4
F6	A SITE 3	-	+ (Cq avg. 29,55)	4,12 x 10^4
F7	A SITE 2	-	+ (Cq avg. 32,66)	6,26 x 10^3
F8	A SITE 3	-	+ (Cq avg. 33,44)	3,9 x 10^3
F9	A SITE 1	-	-	-
F10	A SITE 4	-	+ (Cq avg. 30,45)	2,39 x 10^4
F11	A SITE 3	-	+ (Cq avg. 30,05)	3,04 x 10^4
F12	A SITE 3	**+**	+ (Cq avg. 29,24)	4,97 x 10^4
F13	A SITE 3	-	+ (Cq avg. 32,74)	5,97 x 10^3
F14	A SITE 3	-	+ (Cq avg. 30,92)	1,8 x 10^4
F15	A SITE 1	-	+ (Cq avg. 29,59)	4,02 x 10^3
F16	A SITE 3	-	+ (Cq avg. 29,61)	3,97 x 10^4
F17	A SITE 1	-	+ (Cq avg. 33,00)	5,1 x 10^3
F18	A SITE 2	-	+ (Cq avg. 26,79)	2,2 x 10^5
F19	A SITE 2	-	-	-
F20	A SITE 3	-	+ (Cq avg. 31,14)	1,57 x 10^4
F21	A SITE 3	-	+ (Cq avg. 33,14)	4,68 x 10^3
F22	A SITE 3	-	-	-
F23	A SITE 3	-	+ (Cq avg. 29,40)	4,51 x 10^4
F24	A SITE 5	-	+ (Cq avg. 29,76)	3,63x 10^4
F25	A SITE 3	-	+ (Cq avg. 31,91)	9,86 x 10^3
F26	A SITE 2	-	+ (Cq avg. 30,38)	2,49 x 10^4
F27	A SITE 3	-	+ (Cq avg. 32,16)	8,48 x 10^3
F28	A SITE 2	-	-	-
F29	A SITE 3	-	-	-
F30	A SITE 4	-	-	-
F31	A SITE 3	-	+ (Cq avg. 31,15)	1,56 x 10^4
F32	A SITE 3	-	+ (Cq avg. 31,68)	1,13 x 10^4
F33	A SITE 1	-	-	-
F34	A SITE 3	-	-	-

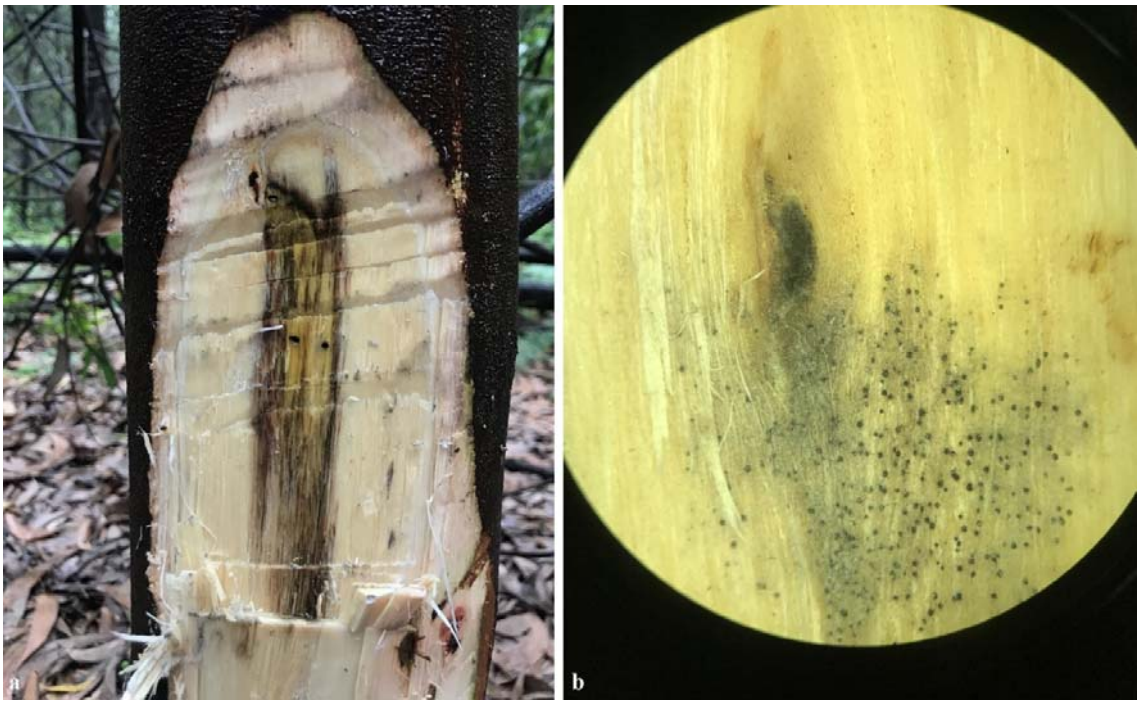
F35	A SITE 3	-	-	-
F36	A SITE 3	-	-	-
F37	A SITE 4	-	+ (Cq avg. 31,66)	$1,15 \times 10^4$
F38	A SITE 1	-	+ (Cq avg. 31,37)	$1,37x\ 10^4$
F39	A SITE 3	-	+ (Cq avg. 33,58)	$3,59 \times 10^3$
F40	A SITE 1	-	+ (Cq avg. 33,28)	$4,3 \times 10^3$
F41	A SITE 3	-	+ (Cq avg. 33,51)	$3,74 \times 10^3$
F42	A SITE 3	-	+ (Cq avg. 31,70)	$1,12 \times 10^4$
F43	A SITE 3	-	-	-
F44	A SITE 1	-	-	-
F45	A SITE 3	-	-	-
F46	A SITE 3	-	+ (Cq avg. 33,07)	$4,88 \times 10^3$
F47	A SITE 5	-	-	-
F48	A SITE 1	-	-	-
F49	A SITE 1	-	-	-
F50	A SITE 3	-	-	-
F51	A SITE 3	-	+ (Cq avg. 31,09)	$1,62 \times 10^4$
F52	A SITE 3	-	-	-
F53	A SITE 4	-	-	-
F54	A SITE 1	-	-	-
F55	A SITE 3	-	-	-
F56	A SITE 4	-	+ (Cq avg. 32,80)	$5,75 \times 10^3$
F57	A SITE 3	-	+ (Cq avg. 30,41)	$2,45 \times 10^4$
F58	A SITE 3	-	-	-
F59	A SITE 3	-	+ (Cq avg. 32,31)	$7,74 \times 10^3$
F60	A SITE 2	-	-	-
F61	A SITE 3	-	+ (Cq avg. 32,28)	$7,88 \times 10^3$
F62	A SITE 2	-	+ (Cq avg. 32,00)	$9,34 \times 10^3$
F63	A SITE 3	-	+ (Cq avg. 33,03)	5×10^3
F64	A SITE 3	-	-	-
F65	A SITE 3	-	+ (Cq avg. 30,89)	$1,83 \times 10^4$
F66	A SITE 3	-	+ (Cq avg. 31,24)	$1,48 \times 10^4$
F67	A SITE 2	-	+ (Cq avg. 30,80)	$1,93 \times 10^4$
F68	A SITE 1	-	+ (Cq avg. 33,06)	$4,91 \times 10^3$
F69	A SITE 3	-	+ (Cq avg. 33,88)	$2,99 \times 10^3$
F70	A SITE 3	-	+ (Cq avg. 33,20)	$4,51 \times 10^3$
F71	A SITE 3	-	+ (Cq avg. 32,64)	$6,34 \times 10^3$
F72	A SITE 3	-	+ (Cq avg. 32,92)	$5,35 \times 10^3$
F73	A SITE 3	-	+ (Cq avg. 32,48)	$6,98 \times 10^3$
F74	A SITE 3	-	-	-
F75	A SITE 3	-	+ (Cq avg. 33,77)	$3,2 \times 10^3$
F76	A SITE 5	-	+ (Cq avg. 33,35)	$4,12 \times 10^3$

F77	A SITE 3	-	+ (Cq avg. 33,17)	$4,6 \times 10^3$
F78	A SITE 3	-	+ (Cq avg. 31,87)	$1,01 \times 10^3$
F79	A SITE 3	-	-	-
F80	A SITE 2	-	-	-
F81	A SITE 3	-	+ (Cq avg. 31,22)	$1,5 \times 10^4$
F82	A SITE 3	-	+ (Cq avg. 31,73)	$1,1 \times 10^4$
F83	A SITE 3	-	-	-
F84	A SITE 2	-	+ (Cq avg. 33,00)	$5,1 \times 10^3$
F85	A SITE 2	-	-	-
F86	A SITE 5	-	-	-
F87	A SITE 1	-	-	-
F88	A SITE 3	-	+ (Cq avg. 33,12)	$4,74 \times 10^3$
F89	A SITE 2	-	+ (Cq avg. 32,00)	$9,34 \times 10^3$
F90	A SITE 1	-	+ (Cq avg. 31,90)	$9,92 \times 10^3$
F91	A SITE 4	-	+ (Cq avg. 33,73)	$1,15 \times 10^3$
F92	A SITE 3	-	+ (Cq avg. 32,71)	$6,07 \times 10^3$
F93	A SITE 2	-	-	-
F94	A SITE 4	-	+ (Cq avg. 33,50)	$3,76 \times 10^3$
F95	A SITE 3	-	-	-
F96	A SITE 3	-	+ (Cq avg. 32,88)	$5,48 \times 10^3$
F97	A SITE 3	-	-	-
F98	A SITE 3	-	+ (Cq avg. 32,31)	$7,74 \times 10^3$
F99	A SITE 3	-	-	-
F100	A SITE 2	-	+ (Cq avg. 32,14)	$8,58 \times 10^3$
F101	A SITE 2	-	+ (Cq avg. 33,47)	$3,83 \times 10^3$
F102	A SITE 2	-	+ (Cq avg. 31,88)	1×10^4
F103	A SITE 1	-	+ (Cq avg. 31,03)	$1,68x\ 10^4$
F104	A SITE 3	-	+ (Cq avg. 31,02)	$1,69 \times 10^4$
F105	Unknown	-	-	
Total Number + = 67				

Supplementary Figure 1. Figures of several of the morpho-species collected in infected *Acacia crassicarpa* and clonal *Eucalyptus pellita* compartments a) Mature *Beaverium* sp. collected from modified Bambara beetle trap in infected *A. crassicarpa* compartments. Bar = 500 µm. b) Mature *Hypothenemus* sp. collected from modified Bambara beetle trap in infected

A. crassicarpa and clonal *E. pellita* compartments. Bar = 200 µm. c) Mature *Epuraea* sp. collected from modified Bambara beetle trap in infected *A. crassicarpa* and clonal *E. pellita* compartments. Bar = 500 µm. d) Mature *Stictodex dimidiatus* (syn. *Xyleborus decumans*) collected from modified Bambara beetle trap in infected clonal *E. pellita* compartments. Bar = 200 µm. e) Mature *Xyleborus affinis* collected from modified Bambara beetle trap in infected *A. crassicarpa* and clonal *E. pellita* compartments. Bar = 200 µm. f) Mature *Xylosandrus crassiusculus* collected from modified Bambara beetle trap in infected *A. crassicarpa* and clonal *E. pellita* compartments. Bar = 200 and 500 µm. g) Mature *Xyleborinus exiguus* collected from modified Bambara beetle trap in infected *A. crassicarpa* and clonal *E. pellita* compartments. Bar = 200 µm. h) Mature *Xyleborus perforans* collected from modified Bambara beetle trap in infected *A. crassicarpa* and clonal *E. pellita* compartments. Bar = 200 µm. i) Mature *Xyleborinus sharpae* collected from modified Bambara beetle trap in infected *A. crassicarpa* and clonal *E. pellita* compartments. Bar = 200 µm.

Supplementary Figure 2. Macerated beetle mix susceptions when placed onto carrot baits yielded sporulation characteristic of *C. manginecans.*



Supplementary Figure 3. Association of beetle wounding and *Ceratocystis* infection on *Acacia crassicarpa.* a) Typical staining of vascular tissue due to *Ceratocystis* infection on *Acacia crassicarpa* surrounding a borer hole. b) *Ceratocystis* perithecia colonizing wood from and below borer wound.

Supplementary Figure 4. Artificially wounded *Acacia crassicarpa* stem colonized by *Ceratocystis*. *Ceratocystis* colonized tissue being fed upon by a) a fly and b) a nitidulid beetle.