

**Table S13:** The distribution of *Fusarium circinatum*-specific proteins, determined through BLASTp analyses, amongst the *Fusarium* species included in the local constructed database from sequences that were originally catalogued in the Broad Institute's database for the Fusarium Comparative Project.

Query Gene	Species name	Gene ID	Location and position (bp)	Score	E-value	Alignment length <sup>a</sup>	Identities <sup>a</sup>	Positives <sup>a</sup>
FCIRG_04559	<i>Fusarium oxysporum</i> Cotton	FOTG_11171.1	Supercontig 1.35: 314 743-317 112	520,78	0	703	295	407
	<i>Fusarium oxysporum</i> NRRL3293	FOYG_10374.1	Supercontig 1.6: 3 640 983-3 643 550	517,31	0	703	294	406
	<i>Fusarium oxysporum</i> PHW808	FOPG_14849.1	Supercontig 1.206: 4 190-6 559	517,31	0	703	294	406
	<i>Fusarium oxysporum</i> f. sp. melon	FOMG_15543.1	Supercontig 1.19: 322 322-324 889	517,31	0	703	294	406
	<i>Fusarium oxysporum</i> Fo5176	FOXB_03685.1	Contig01278: 284 092-286 753	517,31	0	703	294	406
	<i>Fusarium oxysporum</i> 4287 (FO2)	FOXG_15717.3	Supercontig 29: 296 531-299 098	517,31	0	703	294	406
	<i>Fusarium oxysporum</i> Il5	FOIG_12535.1	Supercontig 27: 152 889-155 115	517,31	0	703	294	406
	<i>Fusarium oxysporum</i> PHW815	FOQG_12489.1	Supercontig 49: 178 362-180 731	517,31	0	703	294	406
	<i>Fusarium oxysporum</i> MN25	FOWG_12941.1	Supercontig 14: 1 031 420-1 033 987	517,31	0	703	294	406
	<i>Fusarium oxysporum</i> CL57	FOCG_08754.1	Supercontig 7: 475 582-478 149	517,31	0	703	294	406
	<i>Fusarium oxysporum</i> Fo47	FOZG_08162.1	Supercontig 5: 191 534-194 101	517,31	0	703	294	406
	<i>Fusarium oxysporum</i> HDV247	FOVG_14601.1	Supercontig 15: 52 302-54 671	515	0	703	293	405
	<i>Fusarium verticillioides</i> 7600	FVEG_13162.1	Supercontig 22: 252 692-253 840	575	0	573	256	356
	<i>Fusarium graminearum</i> PH-1	FGSG_02825.3	Supercontig 2: 5 277 911-5 280 156	436	0	578	246	342
FCIRG_04558	<i>Fusarium oxysporum</i> 4287	FOXG_13046.3	Supercontig 17: 1 278 078-1 279 412	271,52	0	407	144	231
	<i>Fusarium graminearum</i> PH-1	FGSG_04832.3	Supercontig 3: 400 164-401 498	261,92	0	407	144	233
FCIRG_04557	<i>Fusarium oxysporum</i> MN25	FOWG_04399.1	Supercontig 3: 3 041 609-3 042 979	518,85	0	445	258	316
	<i>Fusarium oxysporum</i> HDV247	FOVG_17336.1	Supercontig 51: 37 054-38 424	517,31	0	445	258	314
	<i>Fusarium oxysporum</i> f. sp. melon	FOMG_16055.1	Supercontig 22: 304 949-306 319	516,54	0	445	257	315
	<i>Fusarium oxysporum</i> 4287 (FO2)	FOXG_17530.3	Supercontig 52: 93 747-95 117	516,54	0	445	257	315
	<i>Fusarium oxysporum</i> NRRL3293	FOYG_11847.1	Supercontig 8: 118 573-119 943	515,77	0	445	257	315
	<i>Fusarium oxysporum</i> PHW808	FOPG_13302.1	Supercontig 144: 64 862-66 232	513,84	0	445	256	314
	<i>Fusarium oxysporum</i> Fo5176 (45)	FOXB_03758.1	Supercontig 1 154: 40 325-41 695	513,84	0	445	256	314
	<i>Fusarium oxysporum</i> Fo47	FOZG_16470.1	Supercontig 15: 763 662-765 032	513,84	0	445	254	313
	<i>Fusarium oxysporum</i> Cotton	FOTG_18322.1	Supercontig 353: 7 128-8 498	513,46	0	445	256	314
	<i>Fusarium graminearum</i> PH-1 (FC)	FGSG_04832.3	Supercontig 3: 400 164-401 498	362,07	0	424	194	256
	<i>Fusarium oxysporum</i> NRRL3293	FOYG_10585.1	Supercontig 7: 252 735-254 069	357,07	0	426	190	257
	<i>Fusarium oxysporum</i> f. sp. melon	FOMG_16286.1	Supercontig 24: 203 380-204 714	356,30	0	426	190	256
	<i>Fusarium oxysporum</i> 4287 (FO2)	FOXG_13046.3	Supercontig 17: 1 278 078-1 279 412	356,30	0	426	190	256
	<i>Fusarium oxysporum</i> MN25	FOWG_04454.1	Supercontig 4: 121 132-122 466	356,30	0	426	190	256
	<i>Fusarium oxysporum</i> CL57	FOCG_16632.1	Supercontig 21: 128 182-129 516	356,30	0	426	190	256
	<i>Fusarium oxysporum</i> Fo47	FOZG_14633.1	Supercontig 12: 199 432-200 766	356,30	0	426	190	256
FCIRG_04556	<i>Fusarium oxysporum</i> GL57	FOCG_119561	Supercontig 11: 126 761-129 569	590	0	565	52	67
	<i>Fusarium oxysporum</i> 4287 (FO2)	FOXG_10919	Supercontig 14: 288 173-291 421	591	0	565	52	67
	<i>Fusarium oxysporum</i> f. sp. melon	FOMG_00126	Supercontig 1: 345 068-347 876	590	0	565	52	67
FCIRG_04555	None Identified							

<sup>a</sup>Given in amino acids.