

S2 Table. Sequences from the cDNA library showing high identities with PG genes.

GeneID	BestHits	Identity	E-value	Description
Contig560	gi 399207673 gb AFP33367.1	66.39	1.00E-98	polygalacturonase 6 [Apolygus lucorum]
Contig560	gi 145098373 gb ABD63920.1	52.85	3.00E-77	polygalacturonase PG1 [Lygus lineolaris]
Contig560	gi 409150895 gb AFV15473.1	46.92	7.00E-65	polygalacturonase PG1 [Apolygus lucorum]
Contig520	gi 399207673 gb AFP33367.1	70.09	3.00E-166	polygalacturonase 6 [Apolygus lucorum]
Contig520	gi 145098373 gb ABD63920.1	57.58	6.00E-133	polygalacturonase PG1 [Lygus lineolaris]
Contig520	gi 409150895 gb AFV15473.1	50.57	2.00E-101	polygalacturonase PG1 [Apolygus lucorum]
XT5K-10_E04_024	gi 399207673 gb AFP33367.1	68.92	6.00E-95	polygalacturonase 6 [Apolygus lucorum]
XT5K-10_E04_024	gi 399207677 gb AFP33369.1	54.84	5.00E-67	polygalacturonase 9 [Apolygus lucorum]
XT5K-10_E04_024	gi 409150895 gb AFV15473.1	55.3	6.00E-67	polygalacturonase PG1 [Apolygus lucorum]
XT5K-13_E08_056	gi 399207673 gb AFP33367.1	68.9	4.00E-117	polygalacturonase 6 [Apolygus lucorum]
XT5K-13_E08_056	gi 145098373 gb ABD63920.1	53.96	2.00E-81	polygalacturonase PG1 [Lygus lineolaris]
XT5K-13_E08_056	gi 409150895 gb AFV15473.1	51.77	1.00E-78	polygalacturonase PG1 [Apolygus lucorum]
XT5K-14_B06_046	gi 399207673 gb AFP33367.1	63.14	2.00E-121	polygalacturonase 6 [Apolygus lucorum]
XT5K-14_B06_046	gi 145098373 gb ABD63920.1	52.1	2.00E-83	polygalacturonase PG1 [Lygus lineolaris]
XT5K-14_B06_046	gi 409150895 gb AFV15473.1	49.04	2.00E-80	polygalacturonase PG1 [Apolygus lucorum]
XT5K-43_H05_033	gi 399207673 gb AFP33367.1	65.91	8.00E-117	polygalacturonase 6 [Apolygus lucorum]
XT5K-43_H05_033	gi 145098373 gb ABD63920.1	51.66	3.00E-80	polygalacturonase PG1 [Lygus lineolaris]
XT5K-43_H05_033	gi 409150895 gb AFV15473.1	50.97	1.00E-78	polygalacturonase PG1 [Apolygus lucorum]
Contig549	gi 145098373 gb ABD63920.1	89.3	2.00E-151	polygalacturonase PG1 [Lygus lineolaris]
Contig549	gi 399207673 gb AFP33367.1	64.85	8.00E-101	polygalacturonase 6 [Apolygus lucorum]
Contig549	gi 399207671 gb AFP33366.1	57.59	3.00E-94	polygalacturonase 5 [Apolygus lucorum]
A08_XT5K-1	gi 399207673 gb AFP33367.1	69.39	1.00E-127	polygalacturonase 6 [Apolygus lucorum]
A08_XT5K-1	gi 145098373 gb ABD63920.1	62.93	8.00E-97	polygalacturonase PG1 [Lygus lineolaris]
A08_XT5K-1	gi 399207657 gb AFP33359.1	50.96	8.00E-74	polygalacturonase 1 [Apolygus lucorum]
XT5K-27_G02_004	gi 399207673 gb AFP33367.1	56.73	8.00E-117	polygalacturonase 6 [Apolygus lucorum]
XT5K-27_G02_004	gi 145098373 gb ABD63920.1	45.76	5.00E-78	polygalacturonase PG1 [Lygus lineolaris]
XT5K-27_G02_004	gi 409150895 gb AFV15473.1	42.65	2.00E-69	polygalacturonase PG1 [Apolygus lucorum]
XT5K-14_B11_093	gi 399207673 gb AFP33367.1	48.24	2.00E-20	polygalacturonase 6 [Apolygus lucorum]

XT5K-14_B11_093	gi 145098373 gb ABD63920.1	33.33	1.00E-11	polygalacturonase PG1 [Lygus lineolaris]
XT5K-14_B11_093	gi 409150895 gb AFV15473.1	36.27	1.00E-04	polygalacturonase PG1 [Apolygus lucorum]
XT5K-14_B12_094	gi 399207673 gb AFP33367.1	90.91	0	polygalacturonase 6 [Apolygus lucorum]
XT5K-14_B12_094	gi 145098373 gb ABD63920.1	57.88	1.00E-116	polygalacturonase PG1 [Lygus lineolaris]
XT5K-14_B12_094	gi 399207667 gb AFP33364.1	52.72	7.00E-95	polygalacturonase 14 [Apolygus lucorum]
XT5K-40_A11_095	gi 399207673 gb AFP33367.1	61.52	8.00E-117	polygalacturonase 6 [Apolygus lucorum]
XT5K-40_A11_095	gi 145098373 gb ABD63920.1	53.67	6.00E-65	polygalacturonase PG1 [Lygus lineolaris]
XT5K-40_A11_095	gi 409150895 gb AFV15473.1	49.11	4.00E-59	polygalacturonase PG1 [Apolygus lucorum]
H05_XT5K-1	gi 399207659 gb AFP33360.1	45.61	0.5	polygalacturonase 2 [Apolygus lucorum]
H05_XT5K-1	gi 399207669 gb AFP33365.1	74.32	9.00E-170	polygalacturonase 4 [Apolygus lucorum]
H05_XT5K-1	gi 409150911 gb AFV15475.1	74.32	2.00E-169	polygalacturonase PG2-2 [Apolygus lucorum]
XT5K-32_G04_020	gi 399207659 gb AFP33360.1	98.01	1.00E-174	polygalacturonase 2 [Apolygus lucorum]
XT5K-32_G04_020	gi 409150911 gb AFV15475.1	80.56	2.00E-144	polygalacturonase PG2-2 [Apolygus lucorum]
XT5K-32_G04_020	gi 145098420 gb ABD63921.1	75.38	6.00E-140	polygalacturonase PG2 [Lygus lineolaris]
XT5K-35_E04_024	gi 399207659 gb AFP33360.1	81.54	0	polygalacturonase 2 [Apolygus lucorum]
XT5K-35_E04_024	gi 409150911 gb AFV15475.1	69.71	5.00E-171	polygalacturonase PG2-2 [Apolygus lucorum]
XT5K-35_E04_024	gi 399207669 gb AFP33365.1	69.43	8.00E-170	polygalacturonase 4 [Apolygus lucorum]
XT5K-52_B06_046	gi 399207659 gb AFP33360.1	97.27	0	polygalacturonase 2 [Apolygus lucorum]
XT5K-52_B06_046	gi 409150911 gb AFV15475.1	76.53	2.00E-164	polygalacturonase PG2-2 [Apolygus lucorum]
XT5K-52_B06_046	gi 399207669 gb AFP33365.1	76.19	2.00E-163	polygalacturonase 4 [Apolygus lucorum]
Contig10	gi 399207669 gb AFP33365.1	96.17	0	polygalacturonase 4 [Apolygus lucorum]
Contig10	gi 409150911 gb AFV15475.1	96.17	0	polygalacturonase PG2-2 [Apolygus lucorum]
Contig10	gi 145098420 gb ABD63921.1	80.55	0	polygalacturonase PG2 [Lygus lineolaris]
Contig353	gi 399207675 gb AFP33368.1	99.44	0	polygalacturonase 8 [Apolygus lucorum]
Contig353	gi 667527577 gb KFA55692.1	53.22	7.00E-89	hypothetical protein S40293_05245 [Stachybotrys chartarum IBT 40293]
Contig353	gi 667720092 gb KFA62413.1	52.88	5.00E-88	hypothetical protein S40285_06406 [Stachybotrys chlorohalonata IBT 40285]
XT5K-25_E07_055	gi 409150911 gb AFV15475.1	92.2	0	polygalacturonase PG2-2 [Apolygus lucorum]
XT5K-25_E07_055	gi 399207669 gb AFP33365.1	90.75	0	polygalacturonase 4 [Apolygus lucorum]
XT5K-25_E07_055	gi 145098420 gb ABD63921.1	71.62	0	polygalacturonase PG2 [Lygus lineolaris]
H12_XT5K-1	gi 399207669 gb AFP33365.1	86.29	2.00E-66	polygalacturonase 4 [Apolygus lucorum]
H12_XT5K-1	gi 409150911 gb AFV15475.1	83.06	7.00E-63	polygalacturonase PG2-2 [Apolygus lucorum]

H12_XT5K-1	gi 145098420 gb ABD63921.1	71.2	2.00E-55	polygalacturonase PG2 [Lygus lineolaris]
XT5K-54_C01_011	gi 399207669 gb AFP33365.1	96.21	0	polygalacturonase 4 [Apolygus lucorum]
XT5K-54_C01_011	gi 409150911 gb AFV15475.1	94.83	0	polygalacturonase PG2-2 [Apolygus lucorum]
XT5K-54_C01_011	gi 145098420 gb ABD63921.1	81.31	4.00E-170	polygalacturonase PG2 [Lygus lineolaris]
Contig125	gi 399207657 gb AFP33359.1	59.84	4.00E-96	polygalacturonase 1 [Apolygus lucorum]
Contig125	gi 399207677 gb AFP33369.1	58.9	8.00E-92	polygalacturonase 9 [Apolygus lucorum]
Contig125	gi 409150895 gb AFV15473.1	57.63	1.00E-90	polygalacturonase PG1 [Apolygus lucorum]
Contig249	gi 399207657 gb AFP33359.1	60.23	7.00E-97	polygalacturonase 1 [Apolygus lucorum]
Contig249	gi 399207661 gb AFP33361.1	61.74	7.00E-90	polygalacturonase 10 [Apolygus lucorum]
Contig249	gi 399207677 gb AFP33369.1	58.96	3.00E-89	polygalacturonase 9 [Apolygus lucorum]
XT5K-13_E04_024	gi 399207657 gb AFP33359.1	61.01	8.00E-123	polygalacturonase 1 [Apolygus lucorum]
XT5K-13_E04_024	gi 399207677 gb AFP33369.1	60	6.00E-115	polygalacturonase 9 [Apolygus lucorum]
XT5K-13_E04_024	gi 409150895 gb AFV15473.1	59.02	6.00E-113	polygalacturonase PG1 [Apolygus lucorum]
XT5K-13_E11_087	gi 399207657 gb AFP33359.1	58.98	1.00E-121	polygalacturonase 1 [Apolygus lucorum]
XT5K-13_E11_087	gi 399207677 gb AFP33369.1	58.41	3.00E-112	polygalacturonase 9 [Apolygus lucorum]
XT5K-13_E11_087	gi 399207661 gb AFP33361.1	61.01	2.00E-110	polygalacturonase 10 [Apolygus lucorum]
XT5K-15_A07_063	gi 399207657 gb AFP33359.1	60.94	5.00E-112	polygalacturonase 1 [Apolygus lucorum]
XT5K-15_A07_063	gi 399207677 gb AFP33369.1	55.49	2.00E-108	polygalacturonase 9 [Apolygus lucorum]
XT5K-15_A07_063	gi 409150895 gb AFV15473.1	54.57	2.00E-106	polygalacturonase PG1 [Apolygus lucorum]
XT5K-20_F05_037	gi 399207657 gb AFP33359.1	60.38	3.00E-98	polygalacturonase 1 [Apolygus lucorum]
XT5K-20_F05_037	gi 399207661 gb AFP33361.1	61.07	4.00E-90	polygalacturonase 10 [Apolygus lucorum]
XT5K-20_F05_037	gi 399207677 gb AFP33369.1	58.96	6.00E-90	polygalacturonase 9 [Apolygus lucorum]
XT5K-35_E03_023	gi 399207657 gb AFP33359.1	61.64	9.00E-118	polygalacturonase 1 [Apolygus lucorum]
XT5K-35_E03_023	gi 399207677 gb AFP33369.1	55.49	1.00E-110	polygalacturonase 9 [Apolygus lucorum]
XT5K-35_E03_023	gi 409150895 gb AFV15473.1	54.3	3.00E-108	polygalacturonase PG1 [Apolygus lucorum]
XT5K-35_H12_082	gi 399207657 gb AFP33359.1	61.27	7.00E-122	polygalacturonase 1 [Apolygus lucorum]
XT5K-35_H12_082	gi 399207677 gb AFP33369.1	60.6	9.00E-115	polygalacturonase 9 [Apolygus lucorum]
XT5K-35_H12_082	gi 409150895 gb AFV15473.1	59.6	1.00E-112	polygalacturonase PG1 [Apolygus lucorum]
XT5K-38_C10_076	gi 399207657 gb AFP33359.1	57.74	8.00E-109	polygalacturonase 1 [Apolygus lucorum]
XT5K-38_C10_076	gi 399207677 gb AFP33369.1	56.76	2.00E-100	polygalacturonase 9 [Apolygus lucorum]
XT5K-38_C10_076	gi 399207661 gb AFP33361.1	59.15	2.00E-99	polygalacturonase 10 [Apolygus lucorum]

XT5K-51_C07_059	gi 399207657 gb AFP33359.1	61.59	5.00E-117	polygalacturonase 1 [Aplygus lucorum]
XT5K-51_C07_059	gi 399207677 gb AFP33369.1	59.86	4.00E-107	polygalacturonase 9 [Aplygus lucorum]
XT5K-51_C07_059	gi 399207661 gb AFP33361.1	61.59	6.00E-106	polygalacturonase 10 [Aplygus lucorum]
XT_G02_004	gi 399207677 gb AFP33369.1	60.34	5.00E-107	polygalacturonase 9 [Aplygus lucorum]
XT_G02_004	gi 409150895 gb AFV15473.1	59.31	6.00E-105	polygalacturonase PG1 [Aplygus lucorum]
XT_G02_004	gi 399207663 gb AFP33362.1	58.1	5.00E-97	polygalacturonase 11 [Aplygus lucorum]
XT5K-9_D01_009	gi 399207675 gb AFP33368.1	87.38	1.00E-158	polygalacturonase 8 [Aplygus lucorum]
XT5K-9_D01_009	gi 667527577 gb KFA55692.1	51.69	6.00E-57	hypothetical protein S40293_05245 [Stachybotrys chartarum IBT 40293]
XT5K-9_D01_009	gi 667720092 gb KFA62413.1	51.69	1.00E-56	hypothetical protein S40285_06406 [Stachybotrys chlorohalonata IBT 40285]
XT5K-32_E11_087	gi 399207677 gb AFP33369.1	78.45	0	polygalacturonase 9 [Aplygus lucorum]
XT5K-32_E11_087	gi 409150895 gb AFV15473.1	78.16	0	polygalacturonase PG1 [Aplygus lucorum]
XT5K-32_E11_087	gi 145098425 gb ABD63922.1	59.88	3.00E-143	polygalacturonase PG3 [Lygus lineolaris]
XT5K-44_C03_027	gi 399207677 gb AFP33369.1	81.65	2.00E-149	polygalacturonase 9 [Aplygus lucorum]
XT5K-44_C03_027	gi 409150895 gb AFV15473.1	80.9	1.00E-147	polygalacturonase PG1 [Aplygus lucorum]
XT5K-44_C03_027	gi 145098425 gb ABD63922.1	62.02	1.00E-111	polygalacturonase PG3 [Lygus lineolaris]
XT5K-44_H04_018	gi 145098425 gb ABD63922.1	90.97	0	polygalacturonase PG3 [Lygus lineolaris]
XT5K-44_H04_018	gi 399207677 gb AFP33369.1	54.8	7.00E-111	polygalacturonase 9 [Aplygus lucorum]
XT5K-44_H04_018	gi 409150895 gb AFV15473.1	54.49	4.00E-110	polygalacturonase PG1 [Aplygus lucorum]
XT5K-26_B02_014	gi 399207661 gb AFP33361.1	83.45	4.00E-163	polygalacturonase 10 [Aplygus lucorum]
XT5K-26_B02_014	gi 399207677 gb AFP33369.1	65.64	8.00E-117	polygalacturonase 9 [Aplygus lucorum]
XT5K-26_B02_014	gi 409150895 gb AFV15473.1	65.64	3.00E-116	polygalacturonase PG1 [Aplygus lucorum]
XT5K-29_E09_071	gi 399207661 gb AFP33361.1	93.48	2.00E-173	polygalacturonase 10 [Aplygus lucorum]
XT5K-29_E09_071	gi 399207657 gb AFP33359.1	91.76	4.00E-173	polygalacturonase 1 [Aplygus lucorum]
XT5K-29_E09_071	gi 399207677 gb AFP33369.1	72.36	2.00E-126	polygalacturonase 9 [Aplygus lucorum]
XT5K-29_F02_006	gi 399207657 gb AFP33359.1	90.49	3.00E-172	polygalacturonase 1 [Aplygus lucorum]
XT5K-29_F02_006	gi 399207661 gb AFP33361.1	78.18	5.00E-145	polygalacturonase 10 [Aplygus lucorum]
XT5K-29_F02_006	gi 399207677 gb AFP33369.1	63.18	1.00E-107	polygalacturonase 9 [Aplygus lucorum]
xt5k-33_B08_062	gi 399207657 gb AFP33359.1	98.68	0	polygalacturonase 1 [Aplygus lucorum]
xt5k-33_B08_062	gi 399207661 gb AFP33361.1	88.78	0	polygalacturonase 10 [Aplygus lucorum]
xt5k-33_B08_062	gi 399207677 gb AFP33369.1	69.02	4.00E-128	polygalacturonase 9 [Aplygus lucorum]
Contig278	gi 399207677 gb AFP33369.1	71.6	3.00E-164	polygalacturonase 9 [Aplygus lucorum]

Contig278	gi 409150895 gb AFV15473.1	71	3.00E-163	polygalacturonase PG1 [Apolygus lucorum]
Contig278	gi 399207657 gb AFP33359.1	64.4	1.00E-133	polygalacturonase 1 [Apolygus lucorum]
Contig379	gi 399207677 gb AFP33369.1	47.18	6.00E-73	polygalacturonase 9 [Apolygus lucorum]
Contig379	gi 399207673 gb AFP33367.1	52.52	2.00E-71	polygalacturonase 6 [Apolygus lucorum]
Contig379	gi 409150895 gb AFV15473.1	45.97	2.00E-71	polygalacturonase PG1 [Apolygus lucorum]
XT5K-3_C01_011	gi 399207677 gb AFP33369.1	69.25	2.00E-144	polygalacturonase 9 [Apolygus lucorum]
XT5K-3_C01_011	gi 409150895 gb AFV15473.1	68.01	5.00E-142	polygalacturonase PG1 [Apolygus lucorum]
XT5K-3_C01_011	gi 399207657 gb AFP33359.1	65.98	2.00E-124	polygalacturonase 1 [Apolygus lucorum]
XT5K-10_D04_026	gi 409150895 gb AFV15473.1	51.16	6.00E-100	polygalacturonase PG1 [Apolygus lucorum]
XT5K-10_D04_026	gi 145098425 gb ABD63922.1	46.26	5.00E-81	polygalacturonase PG3 [Lygus lineolaris]
XT5K-10_D04_026	gi 399207657 gb AFP33359.1	49.31	1.00E-78	polygalacturonase 1 [Apolygus lucorum]
XT5K-11_C04_028	gi 399207677 gb AFP33369.1	71.54	9.00E-121	polygalacturonase 9 [Apolygus lucorum]
XT5K-11_C04_028	gi 409150895 gb AFV15473.1	70.04	2.00E-118	polygalacturonase PG1 [Apolygus lucorum]
XT5K-11_C04_028	gi 399207657 gb AFP33359.1	64.34	8.00E-103	polygalacturonase 1 [Apolygus lucorum]
XT5K-50_F10_070	gi 399207677 gb AFP33369.1	67.19	3.00E-134	polygalacturonase 9 [Apolygus lucorum]
XT5K-50_F10_070	gi 409150895 gb AFV15473.1	65.94	6.00E-132	polygalacturonase PG1 [Apolygus lucorum]
XT5K-50_F10_070	gi 399207657 gb AFP33359.1	64.21	1.00E-114	polygalacturonase 1 [Apolygus lucorum]
XT5K-43_G06_036	gi 399207677 gb AFP33369.1	82.15	9.00E-170	polygalacturonase 9 [Apolygus lucorum]
XT5K-43_G06_036	gi 409150895 gb AFV15473.1	81.48	5.00E-168	polygalacturonase PG1 [Apolygus lucorum]
XT5K-43_G06_036	gi 399207657 gb AFP33359.1	65.36	2.00E-133	polygalacturonase 1 [Apolygus lucorum]
XT5K-9_C06_044	gi 145098425 gb ABD63922.1	89.64	5.00E-123	polygalacturonase PG3 [Lygus lineolaris]
XT5K-9_C06_044	gi 399207657 gb AFP33359.1	62.98	6.00E-73	polygalacturonase 1 [Apolygus lucorum]
XT5K-9_C06_044	gi 399207677 gb AFP33369.1	59.9	3.00E-71	polygalacturonase 9 [Apolygus lucorum]
XT5K-9_D11_089	gi 145098425 gb ABD63922.1	80.19	1.00E-45	polygalacturonase PG3 [Lygus lineolaris]
XT5K-9_D11_089	gi 399207663 gb AFP33362.1	51	1.00E-18	polygalacturonase 11 [Apolygus lucorum]
XT5K-9_D11_089	gi 183181578 gb ACC44844.1	47.17	1.00E-17	polygalacturonase [Lygus hesperus]
XT5K-9_F12_086	gi 399207657 gb AFP33359.1	47.37	1.00E-55	polygalacturonase 1 [Apolygus lucorum]
XT5K-9_F12_086	gi 399207661 gb AFP33361.1	45.4	3.00E-41	polygalacturonase 10 [Apolygus lucorum]
XT5K-9_F12_086	gi 399207677 gb AFP33369.1	36.03	1.00E-22	polygalacturonase 9 [Apolygus lucorum]
XT5K-9_D01_009	gi 399207675 gb AFP33368.1	87.38	1.00E-158	polygalacturonase 8 [Apolygus lucorum]
XT5K-9_D01_009	gi 667527577 gb KFA55692.1	51.69	6.00E-57	hypothetical protein S40293_05245 [Stachybotrys chartarum IBT 40293]

XT5K-9_D01_009	gi 667720092 gb KFA62413.1	51.69	1.00E-56	hypothetical protein S40285_06406 [Stachybotrys chlorohalonata IBT 40285]
XT5K-12_D01_009	gi 399207675 gb AFP33368.1	96.54	5.00E-175	polygalacturonase 8 [Apolygus lucorum]
XT5K-12_D01_009	gi 667527577 gb KFA55692.1	54.47	1.00E-64	hypothetical protein S40293_05245 [Stachybotrys chartarum IBT 40293]
XT5K-12_D01_009	gi 667720092 gb KFA62413.1	54.04	3.00E-64	hypothetical protein S40285_06406 [Stachybotrys chlorohalonata IBT 40285]
XT5K-13_C07_059	gi 399207675 gb AFP33368.1	98.88	1.00E-163	polygalacturonase 8 [Apolygus lucorum]
XT5K-13_C07_059	gi 667527577 gb KFA55692.1	56.73	3.00E-59	hypothetical protein S40293_05245 [Stachybotrys chartarum IBT 40293]
XT5K-13_C07_059	gi 667720092 gb KFA62413.1	56.25	8.00E-59	hypothetical protein S40285_06406 [Stachybotrys chlorohalonata IBT 40285]
XT5K-35_F08_054	gi 399207675 gb AFP33368.1	98.21	5.00E-173	polygalacturonase 8 [Apolygus lucorum]
XT5K-35_F08_054	gi 183181578 gb ACC44844.1	51.07	4.00E-63	polygalacturonase [Lygus hesperus]
XT5K-35_F08_054	gi 667527577 gb KFA55692.1	55.5	7.00E-63	hypothetical protein S40293_05245 [Stachybotrys chartarum IBT 40293]
XT5K-43_B05_045	gi 399207675 gb AFP33368.1	98.88	9.00E-165	polygalacturonase 8 [Apolygus lucorum]
XT5K-43_B05_045	gi 667527577 gb KFA55692.1	56.46	1.00E-59	hypothetical protein S40293_05245 [Stachybotrys chartarum IBT 40293]
XT5K-43_B05_045	gi 667720092 gb KFA62413.1	55.98	3.00E-59	hypothetical protein S40285_06406 [Stachybotrys chlorohalonata IBT 40285]
Contig486	gi 399207675 gb AFP33368.1	66.47	3.00E-138	polygalacturonase 8 [Apolygus lucorum]
Contig486	gi 183181578 gb ACC44844.1	48.65	3.00E-74	polygalacturonase [Lygus hesperus]
Contig486	gi 399207667 gb AFP33364.1	48.41	1.00E-71	polygalacturonase 14 [Apolygus lucorum]
Contig504	gi 399207665 gb AFP33363.1	81.74	1.00E-180	polygalacturonase 12 [Apolygus lucorum]
Contig504	gi 399207667 gb AFP33364.1	81.29	4.00E-180	polygalacturonase 14 [Apolygus lucorum]
Contig504	gi 183181578 gb ACC44844.1	79.59	3.00E-174	polygalacturonase [Lygus hesperus]
XT5K-5_B01_013	gi 399207675 gb AFP33368.1	64.95	1.00E-120	polygalacturonase 8 [Apolygus lucorum]
XT5K-5_B01_013	gi 183181578 gb ACC44844.1	47.46	7.00E-63	polygalacturonase [Lygus hesperus]
XT5K-5_B01_013	gi 129938 gb P26215.1	50.4	3.00E-62	RecName: Full=Polygalacturonase; Short=PG; AltName: Full=Pectinase; Flags: Precursor [Bipolaris zeicola]
XT5K-7_B09_077	gi 399207675 gb AFP33368.1	66.67	1.00E-125	polygalacturonase 8 [Apolygus lucorum]
XT5K-7_B09_077	gi 183181578 gb ACC44844.1	47.18	4.00E-65	polygalacturonase [Lygus hesperus]
XT5K-7_B09_077	gi 475676944 gb EMT73962.1	48.52	5.00E-64	hypothetical protein FOC4_g10000234 [Fusarium oxysporum f. sp. cubense race 4]
XT5K-10_B06_046	gi 399207675 gb AFP33368.1	65.43	6.00E-61	polygalacturonase 8 [Apolygus lucorum]
XT5K-10_B06_046	gi 323332833 gb EGA74237.1	50.27	7.00E-37	Pgu1p [Saccharomyces cerevisiae AWRI796]
XT5K-10_B06_046	gi 398365647 gb NP_012687.1	50.27	8.00E-37	Pgu1p [Saccharomyces cerevisiae S288c]
XT5K-34_D03_025	gi 399207675 gb AFP33368.1	66.67	3.00E-120	polygalacturonase 8 [Apolygus lucorum]
XT5K-34_D03_025	gi 183181578 gb ACC44844.1	47.46	7.00E-63	polygalacturonase [Lygus hesperus]
XT5K-34_D03_025	gi 129938 gb P26215.1	50.81	2.00E-62	RecName: Full=Polygalacturonase; Short=PG; AltName: Full=Pectinase; Flags: Precursor [Bipolaris zeicola]

XT5K-35_B03_029	gi 399207675 gb AFP33368.1	66.79	5.00E-119	polygalacturonase 8 [Apolygus lucorum]
XT5K-35_B03_029	gi 183181578 gb ACC44844.1	47.46	1.00E-62	polygalacturonase [Lygus hesperus]
XT5K-35_B03_029	gi 129938 gb P26215.1	50.4	8.00E-62	RecName: Full=Polygalacturonase; Short=PG; AltName: Full=Pectinase; Flags: Precursor [Bipolaris zeicola]
XT5K-37_G03_019	gi 399207675 gb AFP33368.1	67.66	2.00E-102	polygalacturonase 8 [Apolygus lucorum]
XT5K-37_G03_019	gi 667527577 gb KFA55692.1	47.41	8.00E-54	hypothetical protein S40293_05245 [Stachybotrys chartarum IBT 40293]
XT5K-37_G03_019	gi 183181578 gb ACC44844.1	51.02	3.00E-52	polygalacturonase [Lygus hesperus]
XT5K-50_E08_056	gi 399207675 gb AFP33368.1	65.88	1.00E-132	polygalacturonase 8 [Apolygus lucorum]
XT5K-50_E08_056	gi 183181578 gb ACC44844.1	46.44	1.00E-67	polygalacturonase [Lygus hesperus]
XT5K-50_E08_056	gi 129938 gb P26215.1	50.53	8.00E-66	RecName: Full=Polygalacturonase; Short=PG; AltName: Full=Pectinase; Flags: Precursor [Bipolaris zeicola]
XT5K-54_B09_077	gi 399207675 gb AFP33368.1	66.32	7.00E-124	polygalacturonase 8 [Apolygus lucorum]
XT5K-54_B09_077	gi 183181578 gb ACC44844.1	47.22	6.00E-65	polygalacturonase [Lygus hesperus]
XT5K-54_B09_077	gi 129938 gb P26215.1	50.19	2.00E-63	RecName: Full=Polygalacturonase; Short=PG; AltName: Full=Pectinase; Flags: Precursor [Bipolaris zeicola]
XT5K-4_F06_038	gi 399207663 gb AFP33362.1	60.19	3.00E-32	polygalacturonase 11 [Apolygus lucorum]
XT5K-4_F06_038	gi 183181580 gb ACC44845.1	61.62	4.00E-31	polygalacturonase [Lygus hesperus]
XT5K-4_F06_038	gi 183181278 gb ACC44798.1	61.62	5.00E-31	polygalacturonase [Lygus hesperus]
Contig458	gi 183181580 gb ACC44845.1	52.71	9.00E-95	polygalacturonase [Lygus hesperus]
Contig458	gi 183181578 gb ACC44844.1	52.41	2.00E-94	polygalacturonase [Lygus hesperus]
Contig458	gi 183181278 gb ACC44798.1	50.3	1.00E-93	polygalacturonase [Lygus hesperus]
Contig552	gi 183181578 gb ACC44844.1	49.22	1.00E-87	polygalacturonase [Lygus hesperus]
Contig552	gi 183181580 gb ACC44845.1	48.91	2.00E-87	polygalacturonase [Lygus hesperus]
Contig552	gi 183181278 gb ACC44798.1	49.22	5.00E-87	polygalacturonase [Lygus hesperus]
XT5K-3_H04_018	gi 183181278 gb ACC44798.1	48.82	2.00E-71	polygalacturonase [Lygus hesperus]
XT5K-3_H04_018	gi 183181580 gb ACC44845.1	48.82	2.00E-71	polygalacturonase [Lygus hesperus]
XT5K-3_H04_018	gi 183181578 gb ACC44844.1	48.48	3.00E-71	polygalacturonase [Lygus hesperus]
XT5K-31_B12_094	gi 183181278 gb ACC44798.1	45.37	2.00E-75	polygalacturonase [Lygus hesperus]
XT5K-31_B12_094	gi 183181578 gb ACC44844.1	45.05	6.00E-75	polygalacturonase [Lygus hesperus]
XT5K-31_B12_094	gi 183181580 gb ACC44845.1	44.73	3.00E-74	polygalacturonase [Lygus hesperus]
XT5K-53_G07_051	gi 183181578 gb ACC44844.1	42.96	1.00E-63	polygalacturonase [Lygus hesperus]
XT5K-53_G07_051	gi 183181580 gb ACC44845.1	42.61	2.00E-63	polygalacturonase [Lygus hesperus]
XT5K-53_G07_051	gi 183181278 gb ACC44798.1	42.96	4.00E-63	polygalacturonase [Lygus hesperus]
XT5K-38_C01_011	gi 183181578 gb ACC44844.1	57.44	2.00E-71	polygalacturonase [Lygus hesperus]

XT5K-38_C01_011	gi 183181278 gb ACC44798.1	57.02	2.00E-71	polygalacturonase [Lygus hesperus]
XT5K-38_C01_011	gi 183181580 gb ACC44845.1	56.61	4.00E-70	polygalacturonase [Lygus hesperus]
XT5K-40_E09_071	gi 183181578 gb ACC44844.1	57.97	7.00E-77	polygalacturonase [Lygus hesperus]
XT5K-40_E09_071	gi 183181278 gb ACC44798.1	60.22	9.00E-77	polygalacturonase [Lygus hesperus]
XT5K-40_E09_071	gi 183181580 gb ACC44845.1	57.63	2.00E-76	polygalacturonase [Lygus hesperus]
XT5K-14_A05_047	gi 399207667 gb AFP33364.1	99.64	1.00E-158	polygalacturonase 14 [Apolygus lucorum]
XT5K-14_A05_047	gi 399207665 gb AFP33363.1	92.7	3.00E-148	polygalacturonase 12 [Apolygus lucorum]
XT5K-14_A05_047	gi 183181578 gb ACC44844.1	82.67	1.00E-129	polygalacturonase [Lygus hesperus]
XT5K-30_F07_053	gi 399207667 gb AFP33364.1	99.14	5.00E-148	polygalacturonase 14 [Apolygus lucorum]
XT5K-30_F07_053	gi 399207665 gb AFP33363.1	90.99	2.00E-135	polygalacturonase 12 [Apolygus lucorum]
XT5K-30_F07_053	gi 183181578 gb ACC44844.1	81.55	1.00E-115	polygalacturonase [Lygus hesperus]
XT5K-39_B02_014	gi 399207663 gb AFP33362.1	88.05	2.00E-171	polygalacturonase 11 [Apolygus lucorum]
XT5K-39_B02_014	gi 399207657 gb AFP33359.1	58.55	3.00E-105	polygalacturonase 1 [Apolygus lucorum]
XT5K-39_B02_014	gi 399207677 gb AFP33369.1	59.86	8.00E-103	polygalacturonase 9 [Apolygus lucorum]
XT5K-50_H08_050	gi 409150895 gb AFV15473.1	57.55	2.00E-70	polygalacturonase PG1 [Apolygus lucorum]
XT5K-50_H08_050	gi 399207657 gb AFP33359.1	54.88	7.00E-68	polygalacturonase 1 [Apolygus lucorum]
XT5K-50_H08_050	gi 399207661 gb AFP33361.1	57.28	1.00E-63	polygalacturonase 10 [Apolygus lucorum]
