

Supplementary Table 3 List of genes up-regulated in tolerant and susceptible potato cultivars inoculated/un-inoculated with *Spongospora subterranea* f. sp. *subterranea*.

INV 1	VDP 1	INV 2	VDP 2	Common INV/VDP 1	Common INV/VDP 2
PGSC0003DMG400018630	PGSC0003DMG400031457	PGSC0003DMG400001049	PGSC0003DMG400022953	PGSC0003DMG400025000	PGSC0003DMG400006448
PGSC0003DMG400046798	PGSC0003DMG400004037	PGSC0003DMG401018223	PGSC0003DMG400030771	PGSC0003DMG400005974	
PGSC0003DMG400002582	PGSC0003DMG400003962	PGSC0003DMG400034091	PGSC0003DMG400030470	PGSC0003DMG400011016	
PGSC0003DMG400027146	PGSC0003DMG400003084	PGSC0003DMG400003667	PGSC0003DMG400012653	PGSC0003DMG400011953	
PGSC0003DMG401021841	PGSC0003DMG400016887	PGSC0003DMG400009559	PGSC0003DMG400018395	PGSC0003DMG400013412	
PGSC0003DMG400035539	PGSC0003DMG400006709	PGSC0003DMG400000917	PGSC0003DMG400022340	PGSC0003DMG400007244	
PGSC0003DMG400029822	PGSC0003DMG400016908	PGSC0003DMG400033126	PGSC0003DMG400003880	PGSC0003DMG400029879	
PGSC0003DMG400023922	PGSC0003DMG400000811	PGSC0003DMG400008433	PGSC0003DMG400012798	PGSC0003DMG400017334	
PGSC0003DMG400024980	PGSC0003DMG400029419	PGSC0003DMG400026719	PGSC0003DMG400004940	PGSC0003DMG400004036	
PGSC0003DMG400004599	PGSC0003DMG400028984	PGSC0003DMG400030144	PGSC0003DMG400027180	PGSC0003DMG400011170	
PGSC0003DMG400010320	PGSC0003DMG400005884	PGSC0003DMG400031093	PGSC0003DMG400021838	PGSC0003DMG400014740	
PGSC0003DMG400002414	PGSC0003DMG400006788	PGSC0003DMG400014986	PGSC0003DMG400044492	PGSC0003DMG401032203	
PGSC0003DMG400025842	PGSC0003DMG400006789	PGSC0003DMG401029877	PGSC0003DMG400002728		
PGSC0003DMG400013210	PGSC0003DMG400027914	PGSC0003DMG400006630	PGSC0003DMG400008276		
PGSC0003DMG400006389	PGSC0003DMG400022188	PGSC0003DMG400000200	PGSC0003DMG400041062		
PGSC0003DMG400046823	PGSC0003DMG400015746	PGSC0003DMG400026783	PGSC0003DMG400030212		
PGSC0003DMG400019106	PGSC0003DMG400004800	PGSC0003DMG400017103	PGSC0003DMG400022037		
PGSC0003DMG402002685	PGSC0003DMG400028165	PGSC0003DMG402004840	PGSC0003DMG400029736		
PGSC0003DMG400000981	PGSC0003DMG400005835	PGSC0003DMG400014756	PGSC0003DMG400016284		
PGSC0003DMG400005170	PGSC0003DMG400030623	PGSC0003DMG400019646	PGSC0003DMG400016247		
PGSC0003DMG400020028	PGSC0003DMG400007073	PGSC0003DMG400032746	PGSC0003DMG400010113		
PGSC0003DMG400006248	PGSC0003DMG400026762	PGSC0003DMG402031520	PGSC0003DMG400014267		
PGSC0003DMG400043752	PGSC0003DMG400027283	PGSC0003DMG400017017	PGSC0003DMG400020264		
PGSC0003DMG400023237	PGSC0003DMG400005515	PGSC0003DMG400005464	PGSC0003DMG400033693		
PGSC0003DMG400021822	PGSC0003DMG400008985	PGSC0003DMG400018381	PGSC0003DMG400018398		
PGSC0003DMG400024964	PGSC0003DMG400017301	PGSC0003DMG402004883	PGSC0003DMG400005719		
PGSC0003DMG400030587	PGSC0003DMG400024755	PGSC0003DMG400018375	PGSC0003DMG400007258		

PGSC0003DMG400035146	PGSC0003DMG400014778	PGSC0003DMG400018480	PGSC0003DMG400022386
PGSC0003DMG400003099	PGSC0003DMG400028687	PGSC0003DMG400016616	PGSC0003DMG400010112
PGSC0003DMG400001679	PGSC0003DMG400027937	PGSC0003DMG400024182	PGSC0003DMG400046334
PGSC0003DMG400016023	PGSC0003DMG400006461	PGSC0003DMG401005669	PGSC0003DMG400018400
PGSC0003DMG400022069	PGSC0003DMG400004087	PGSC0003DMG400010601	PGSC0003DMG400016121
PGSC0003DMG400030198	PGSC0003DMG400026346	PGSC0003DMG400005234	PGSC0003DMG400025333
PGSC0003DMG400047102	PGSC0003DMG400011633	PGSC0003DMG400018020	PGSC0003DMG400011751
PGSC0003DMG400004168	PGSC0003DMG400024771	PGSC0003DMG400005997	PGSC0003DMG400024754
PGSC0003DMG400028401	PGSC0003DMG400018131	PGSC0003DMG400031848	PGSC0003DMG400018396
PGSC0003DMG400007005	PGSC0003DMG400001923	PGSC0003DMG400000549	PGSC0003DMG400026446
PGSC0003DMG400029242	PGSC0003DMG400007613	PGSC0003DMG400000983	PGSC0003DMG400010388
PGSC0003DMG400017997	PGSC0003DMG400017976	PGSC0003DMG400017101	PGSC0003DMG400025171
PGSC0003DMG400013929	PGSC0003DMG400009955	PGSC0003DMG400016496	PGSC0003DMG400025747
PGSC0003DMG400001154	PGSC0003DMG400031365	PGSC0003DMG400010612	PGSC0003DMG400017179
PGSC0003DMG400012538	PGSC0003DMG400001508	PGSC0003DMG400010498	PGSC0003DMG400006899
PGSC0003DMG400015156	PGSC0003DMG400030683	PGSC0003DMG400000866	PGSC0003DMG400019245
PGSC0003DMG400030274	PGSC0003DMG400006995	PGSC0003DMG400005537	PGSC0003DMG400012120
PGSC0003DMG400028710	PGSC0003DMG400014779	PGSC0003DMG400032496	PGSC0003DMG403009323
PGSC0003DMG400000816	PGSC0003DMG400023028	PGSC0003DMG400025961	PGSC0003DMG400002804
PGSC0003DMG401030252	PGSC0003DMG400032555	PGSC0003DMG400020855	PGSC0003DMG400008978
PGSC0003DMG400004204	PGSC0003DMG400021421	PGSC0003DMG401002262	PGSC0003DMG400017578
PGSC0003DMG400040321	PGSC0003DMG400020252	PGSC0003DMG400027338	PGSC0003DMG400030636
PGSC0003DMG400011406	PGSC0003DMG400019872	PGSC0003DMG400017215	PGSC0003DMG400026260
PGSC0003DMG400014056	PGSC0003DMG400003518	PGSC0003DMG400013619	PGSC0003DMG400018401
PGSC0003DMG400007682	PGSC0003DMG400030165	PGSC0003DMG400005243	PGSC0003DMG400017261
PGSC0003DMG400029490	PGSC0003DMG400022893	PGSC0003DMG400031424	PGSC0003DMG400006903
PGSC0003DMG400022951	PGSC0003DMG400018651	PGSC0003DMG400030102	PGSC0003DMG400024600
PGSC0003DMG400011690	PGSC0003DMG400019693	PGSC0003DMG400006692	PGSC0003DMG400014597
PGSC0003DMG400001135	PGSC0003DMG400013108	PGSC0003DMG400018399	PGSC0003DMG402003286
PGSC0003DMG400028331	PGSC0003DMG400006044	PGSC0003DMG400006207	PGSC0003DMG400030927
PGSC0003DMG400031031	PGSC0003DMG400016928	PGSC0003DMG400025706	PGSC0003DMG400035783

PGSC0003DMG400006939	PGSC0003DMG400000783	PGSC0003DMG400015832	PGSC0003DMG400026261
PGSC0003DMG400017096	PGSC0003DMG400016477	PGSC0003DMG400039596	PGSC0003DMG400006309
PGSC0003DMG400025192	PGSC0003DMG400006887	PGSC0003DMG400018624	PGSC0003DMG400007328
PGSC0003DMG400032276	PGSC0003DMG400009965	PGSC0003DMG400018397	PGSC0003DMG402022401
PGSC0003DMG400003609	PGSC0003DMG400007122	PGSC0003DMG400029617	PGSC0003DMG400002068
PGSC0003DMG402008784	PGSC0003DMG400000211	PGSC0003DMG401017076	PGSC0003DMG400012620
PGSC0003DMG400023040	PGSC0003DMG400025163	PGSC0003DMG400031347	PGSC0003DMG400019517
PGSC0003DMG400042469	PGSC0003DMG400025480	PGSC0003DMG400017211	PGSC0003DMG400014547
PGSC0003DMG400021725	PGSC0003DMG400011752	PGSC0003DMG400024474	PGSC0003DMG400013367
PGSC0003DMG400026650	PGSC0003DMG400031832	PGSC0003DMG400010166	PGSC0003DMG400009207
PGSC0003DMG401015537	PGSC0003DMG400018650	PGSC0003DMG400005262	PGSC0003DMG400017358
PGSC0003DMG400018170	PGSC0003DMG400033317	PGSC0003DMG400017481	PGSC0003DMG400026360
PGSC0003DMG400007672	PGSC0003DMG400030309	PGSC0003DMG400006394	PGSC0003DMG400018445
PGSC0003DMG400009915	PGSC0003DMG400030246	PGSC0003DMG402014659	PGSC0003DMG400034296
PGSC0003DMG400033354	PGSC0003DMG400014312	PGSC0003DMG400027369	PGSC0003DMG400006629
PGSC0003DMG400033570	PGSC0003DMG400006108	PGSC0003DMG400000360	PGSC0003DMG400016522
PGSC0003DMG401008784	PGSC0003DMG400006956	PGSC0003DMG400046688	PGSC0003DMG400022663
PGSC0003DMG400034395	PGSC0003DMG400006790	PGSC0003DMG400010554	PGSC0003DMG400038651
PGSC0003DMG400012089	PGSC0003DMG400015492	PGSC0003DMG400023437	PGSC0003DMG400029643
PGSC0003DMG401002685	PGSC0003DMG402007101	PGSC0003DMG400014428	PGSC0003DMG400037860
PGSC0003DMG400028480	PGSC0003DMG400010815	PGSC0003DMG401004358	PGSC0003DMG400006627
PGSC0003DMG400009388	PGSC0003DMG400021102	PGSC0003DMG400022405	PGSC0003DMG400018608
PGSC0003DMG400005091	PGSC0003DMG400001891	PGSC0003DMG401026940	PGSC0003DMG400003576
PGSC0003DMG400014603	PGSC0003DMG400016880	PGSC0003DMG400025117	PGSC0003DMG400025708
PGSC0003DMG400029492	PGSC0003DMG400023341	PGSC0003DMG400021074	PGSC0003DMG401022140
PGSC0003DMG400005299	PGSC0003DMG400029915	PGSC0003DMG400000614	PGSC0003DMG400003269
PGSC0003DMG400008344	PGSC0003DMG400027181	PGSC0003DMG400021690	PGSC0003DMG400019330
PGSC0003DMG400030804	PGSC0003DMG400029628	PGSC0003DMG400007627	PGSC0003DMG400025707
PGSC0003DMG400019770	PGSC0003DMG400012315	PGSC0003DMG400010132	PGSC0003DMG400029430
PGSC0003DMG400021823	PGSC0003DMG400026592	PGSC0003DMG400005216	PGSC0003DMG400015929
PGSC0003DMG403008349	PGSC0003DMG401030861	PGSC0003DMG400025878	PGSC0003DMG400017272

PGSC0003DMG400021056	PGSC0003DMG400023751	PGSC0003DMG400028352	PGSC0003DMG400040129
PGSC0003DMG400003360	PGSC0003DMG400025621	PGSC0003DMG400017582	PGSC0003DMG400018379
PGSC0003DMG400014246	PGSC0003DMG400007972	PGSC0003DMG400025772	PGSC0003DMG400002946
PGSC0003DMG400020205	PGSC0003DMG400000697	PGSC0003DMG400045812	PGSC0003DMG400020966
PGSC0003DMG400009359	PGSC0003DMG400000064	PGSC0003DMG400013101	PGSC0003DMG400021881
PGSC0003DMG400032162	PGSC0003DMG402008903	PGSC0003DMG400016985	PGSC0003DMG402015009
PGSC0003DMG400004474	PGSC0003DMG400030672	PGSC0003DMG400010009	PGSC0003DMG400000758
PGSC0003DMG400003802	PGSC0003DMG400007614	PGSC0003DMG400021596	PGSC0003DMG400008447
PGSC0003DMG400026554	PGSC0003DMG401030920	PGSC0003DMG400010611	PGSC0003DMG400027636
PGSC0003DMG400017637	PGSC0003DMG400010169	PGSC0003DMG400013549	PGSC0003DMG400018095
PGSC0003DMG400008043	PGSC0003DMG400001904	PGSC0003DMG400033945	PGSC0003DMG400021517
PGSC0003DMG400016967	PGSC0003DMG400026794	PGSC0003DMG400004979	PGSC0003DMG400030145
PGSC0003DMG400024364	PGSC0003DMG400007854	PGSC0003DMG400029416	PGSC0003DMG400025131
PGSC0003DMG400015354	PGSC0003DMG400016441	PGSC0003DMG400030990	PGSC0003DMG400019677
PGSC0003DMG400014576	PGSC0003DMG400011249	PGSC0003DMG400020937	PGSC0003DMG400024049
PGSC0003DMG400027031	PGSC0003DMG400011039	PGSC0003DMG400028388	PGSC0003DMG400001883
PGSC0003DMG400016971	PGSC0003DMG400008021	PGSC0003DMG400030154	PGSC0003DMG400018378
PGSC0003DMG400000919	PGSC0003DMG400022892	PGSC0003DMG400011944	PGSC0003DMG400016045
PGSC0003DMG400029461	PGSC0003DMG400001072	PGSC0003DMG400020082	PGSC0003DMG400011232
PGSC0003DMG400007645	PGSC0003DMG400006945	PGSC0003DMG400008269	PGSC0003DMG403026432
PGSC0003DMG400016599	PGSC0003DMG400016257	PGSC0003DMG400013212	PGSC0003DMG400010328
PGSC0003DMG400021688	PGSC0003DMG400016608	PGSC0003DMG400020377	PGSC0003DMG400004385
PGSC0003DMG400023406	PGSC0003DMG400016326	PGSC0003DMG400017891	PGSC0003DMG400017189
PGSC0003DMG400003444	PGSC0003DMG400005007	PGSC0003DMG400023345	PGSC0003DMG400030556
PGSC0003DMG400011365	PGSC0003DMG400010050	PGSC0003DMG400021843	PGSC0003DMG400045157
PGSC0003DMG400012785	PGSC0003DMG400013488	PGSC0003DMG400029780	PGSC0003DMG400002285
PGSC0003DMG400008982	PGSC0003DMG400007152	PGSC0003DMG402025391	PGSC0003DMG400030731
PGSC0003DMG400010984	PGSC0003DMG400005822	PGSC0003DMG402018044	PGSC0003DMG400017124
PGSC0003DMG400010924	PGSC0003DMG400004785	PGSC0003DMG400031494	PGSC0003DMG400027729
PGSC0003DMG400032121	PGSC0003DMG400010025	PGSC0003DMG400021680	PGSC0003DMG400007251
PGSC0003DMG402004193	PGSC0003DMG400008840	PGSC0003DMG400001211	PGSC0003DMG400016904

PGSC0003DMG400021828	PGSC0003DMG400001287	PGSC0003DMG400013939	PGSC0003DMG401005942
PGSC0003DMG402012883	PGSC0003DMG400001075	PGSC0003DMG400001313	PGSC0003DMG400017762
PGSC0003DMG400025939	PGSC0003DMG400017060	PGSC0003DMG400016674	PGSC0003DMG403028300
PGSC0003DMG400011250	PGSC0003DMG400027804	PGSC0003DMG400027719	PGSC0003DMG400004458
PGSC0003DMG400028102	PGSC0003DMG400001422	PGSC0003DMG400016280	PGSC0003DMG400029178
PGSC0003DMG400023937	PGSC0003DMG400029989	PGSC0003DMG400007743	PGSC0003DMG400006678
PGSC0003DMG400025105	PGSC0003DMG400000513	PGSC0003DMG400003697	PGSC0003DMG400006644
PGSC0003DMG400029109	PGSC0003DMG400025560	PGSC0003DMG402002283	PGSC0003DMG402017076
PGSC0003DMG400014983	PGSC0003DMG400010439	PGSC0003DMG400017730	PGSC0003DMG402032501
PGSC0003DMG400000620	PGSC0003DMG400035878	PGSC0003DMG400017728	PGSC0003DMG400001243
PGSC0003DMG400030905	PGSC0003DMG400013201	PGSC0003DMG401002283	PGSC0003DMG400007250
PGSC0003DMG401006676	PGSC0003DMG400003250	PGSC0003DMG400002847	PGSC0003DMG400022950
PGSC0003DMG400016793	PGSC0003DMG400008163	PGSC0003DMG402024195	PGSC0003DMG400031041
PGSC0003DMG400014561	PGSC0003DMG400008357	PGSC0003DMG400026880	PGSC0003DMG400025556
PGSC0003DMG400016866	PGSC0003DMG400014223	PGSC0003DMG401019771	PGSC0003DMG400020137
PGSC0003DMG400014664	PGSC0003DMG400007713	PGSC0003DMG400035500	PGSC0003DMG400024604
PGSC0003DMG400042965	PGSC0003DMG400016525	PGSC0003DMG400018978	PGSC0003DMG400034859
PGSC0003DMG400019531	PGSC0003DMG400002937	PGSC0003DMG400006454	PGSC0003DMG400002321
PGSC0003DMG400025543	PGSC0003DMG400017918	PGSC0003DMG400009837	
PGSC0003DMG400000408	PGSC0003DMG400009115	PGSC0003DMG400022151	
PGSC0003DMG400025776	PGSC0003DMG400011745	PGSC0003DMG400028046	
PGSC0003DMG400010923	PGSC0003DMG400005036	PGSC0003DMG400002871	
PGSC0003DMG400008850	PGSC0003DMG400019824	PGSC0003DMG400010401	
PGSC0003DMG400015534	PGSC0003DMG400013886	PGSC0003DMG400044149	
PGSC0003DMG400027819	PGSC0003DMG400013798	PGSC0003DMG400002286	
PGSC0003DMG400004900	PGSC0003DMG400009591	PGSC0003DMG400020153	
PGSC0003DMG400015351	PGSC0003DMG400013604	PGSC0003DMG400010418	
PGSC0003DMG400007563	PGSC0003DMG400008484	PGSC0003DMG400025005	
PGSC0003DMG400004029	PGSC0003DMG400021877	PGSC0003DMG401028714	
PGSC0003DMG400010236	PGSC0003DMG400043403	PGSC0003DMG400018080	
PGSC0003DMG400015109	PGSC0003DMG400020174	PGSC0003DMG400002336	

PGSC0003DMG400030925	PGSC0003DMG400029341	PGSC0003DMG400004315
PGSC0003DMG400005892	PGSC0003DMG400026683	PGSC0003DMG400001596
PGSC0003DMG400027483	PGSC0003DMG400030244	PGSC0003DMG400003143
PGSC0003DMG401013923	PGSC0003DMG400000386	PGSC0003DMG400011906
PGSC0003DMG400000520	PGSC0003DMG400021574	PGSC0003DMG400016947
PGSC0003DMG400023004	PGSC0003DMG400026382	PGSC0003DMG400018377
PGSC0003DMG400025099	PGSC0003DMG400029371	PGSC0003DMG400019774
PGSC0003DMG400029472	PGSC0003DMG400041402	PGSC0003DMG400018484
PGSC0003DMG400018015	PGSC0003DMG400028846	PGSC0003DMG400017125
PGSC0003DMG400003499	PGSC0003DMG400014791	PGSC0003DMG401020908
PGSC0003DMG400029799	PGSC0003DMG400001924	PGSC0003DMG400011340
PGSC0003DMG400030486	PGSC0003DMG400014774	PGSC0003DMG400023572
PGSC0003DMG400017398	PGSC0003DMG400008569	PGSC0003DMG401001926
PGSC0003DMG400001348	PGSC0003DMG400002350	PGSC0003DMG402020126
PGSC0003DMG401022285	PGSC0003DMG400001333	PGSC0003DMG400022426
PGSC0003DMG400009555	PGSC0003DMG400005101	PGSC0003DMG400010582
PGSC0003DMG400016764	PGSC0003DMG400028303	PGSC0003DMG402005881
PGSC0003DMG400008934	PGSC0003DMG400010022	PGSC0003DMG400012851
PGSC0003DMG400023502	PGSC0003DMG400017053	PGSC0003DMG400002221
PGSC0003DMG400017897	PGSC0003DMG400006462	PGSC0003DMG400018176
PGSC0003DMG401015792	PGSC0003DMG400022775	PGSC0003DMG400010882
PGSC0003DMG400027814	PGSC0003DMG401008903	PGSC0003DMG400028491
PGSC0003DMG400031236	PGSC0003DMG400001448	PGSC0003DMG400027715
PGSC0003DMG400015650	PGSC0003DMG400022063	PGSC0003DMG400031795
PGSC0003DMG400031476	PGSC0003DMG400030134	PGSC0003DMG400023882
PGSC0003DMG400018483	PGSC0003DMG400019285	PGSC0003DMG400002198
PGSC0003DMG400012805	PGSC0003DMG400025214	PGSC0003DMG400028251
PGSC0003DMG401009742	PGSC0003DMG400009635	PGSC0003DMG400027677
PGSC0003DMG400017614	PGSC0003DMG400025897	PGSC0003DMG400027876
PGSC0003DMG400016949	PGSC0003DMG400027631	PGSC0003DMG400030402
PGSC0003DMG400028021	PGSC0003DMG400002697	PGSC0003DMG400011328

PGSC0003DMG400015275	PGSC0003DMG400033029	PGSC0003DMG400012480
PGSC0003DMG400020588	PGSC0003DMG400008120	PGSC0003DMG400016293
PGSC0003DMG400018016	PGSC0003DMG400021454	PGSC0003DMG400019415
PGSC0003DMG400008444	PGSC0003DMG400008022	PGSC0003DMG401028329
PGSC0003DMG400033050	PGSC0003DMG400037250	PGSC0003DMG401015362
PGSC0003DMG400009822	PGSC0003DMG400020335	PGSC0003DMG400008293
PGSC0003DMG400028886	PGSC0003DMG400005909	PGSC0003DMG400013628
PGSC0003DMG401005300	PGSC0003DMG400001319	PGSC0003DMG400045390
PGSC0003DMG400001181	PGSC0003DMG400016503	PGSC0003DMG400042118
PGSC0003DMG400009866	PGSC0003DMG404004013	PGSC0003DMG400011982
PGSC0003DMG400014457	PGSC0003DMG400014095	PGSC0003DMG400001203
PGSC0003DMG400014757	PGSC0003DMG400021128	PGSC0003DMG400021982
PGSC0003DMG400008947	PGSC0003DMG400002047	PGSC0003DMG400012503
PGSC0003DMG400001086	PGSC0003DMG400021327	PGSC0003DMG400011307
PGSC0003DMG400019689	PGSC0003DMG400026825	PGSC0003DMG400018732
PGSC0003DMG400025547	PGSC0003DMG400008492	PGSC0003DMG402021671
PGSC0003DMG400029489	PGSC0003DMG400012763	PGSC0003DMG400005156
PGSC0003DMG400019671	PGSC0003DMG400017946	PGSC0003DMG400011286
PGSC0003DMG400002309	PGSC0003DMG400028498	PGSC0003DMG400000941
PGSC0003DMG400031877	PGSC0003DMG400012318	PGSC0003DMG400042273
PGSC0003DMG400007464	PGSC0003DMG400008984	PGSC0003DMG402008883
PGSC0003DMG400025024	PGSC0003DMG400021763	PGSC0003DMG400001858
PGSC0003DMG400045025	PGSC0003DMG400024627	PGSC0003DMG400012073
PGSC0003DMG400027965	PGSC0003DMG400010229	PGSC0003DMG400012611
PGSC0003DMG400009941	PGSC0003DMG400014770	PGSC0003DMG400023822
PGSC0003DMG400029491	PGSC0003DMG400024219	PGSC0003DMG400033168
PGSC0003DMG400029014	PGSC0003DMG400042837	PGSC0003DMG400006391
PGSC0003DMG400025591	PGSC0003DMG400032792	PGSC0003DMG400008878
PGSC0003DMG400013106	PGSC0003DMG400003065	PGSC0003DMG400020424
PGSC0003DMG402002919	PGSC0003DMG400020139	PGSC0003DMG400022996
PGSC0003DMG400001823	PGSC0003DMG400004872	PGSC0003DMG402025430

PGSC0003DMG402010218	PGSC0003DMG400017252	PGSC0003DMG400008460
PGSC0003DMG400001258	PGSC0003DMG400035478	PGSC0003DMG400026401
PGSC0003DMG400002989	PGSC0003DMG400006045	PGSC0003DMG400001221
PGSC0003DMG402019042	PGSC0003DMG400004996	PGSC0003DMG400013342
PGSC0003DMG400026933	PGSC0003DMG400002612	PGSC0003DMG401026834
PGSC0003DMG400018014	PGSC0003DMG400005103	PGSC0003DMG400017198
PGSC0003DMG400004499	PGSC0003DMG400029174	PGSC0003DMG400014393
PGSC0003DMG400021222	PGSC0003DMG400025263	PGSC0003DMG400011050
PGSC0003DMG400033694	PGSC0003DMG400012964	PGSC0003DMG400029863
PGSC0003DMG400030106	PGSC0003DMG400005401	PGSC0003DMG400008364
PGSC0003DMG400023350	PGSC0003DMG400017756	PGSC0003DMG400032078
PGSC0003DMG400000420	PGSC0003DMG400022402	PGSC0003DMG400013229
PGSC0003DMG400007708	PGSC0003DMG400006268	PGSC0003DMG400005228
PGSC0003DMG400014939	PGSC0003DMG400021331	PGSC0003DMG400014352
PGSC0003DMG400023348	PGSC0003DMG400026159	PGSC0003DMG400018300
PGSC0003DMG400005335	PGSC0003DMG400025875	PGSC0003DMG400009931
PGSC0003DMG400018575	PGSC0003DMG400030855	PGSC0003DMG400008310
PGSC0003DMG400003507	PGSC0003DMG400017373	PGSC0003DMG402022694
PGSC0003DMG400018124	PGSC0003DMG400003569	PGSC0003DMG400028931
PGSC0003DMG400024113	PGSC0003DMG400033099	PGSC0003DMG400000125
PGSC0003DMG400014617	PGSC0003DMG400020742	PGSC0003DMG400029750
PGSC0003DMG400031059	PGSC0003DMG400018700	PGSC0003DMG400031518
PGSC0003DMG400004873	PGSC0003DMG400024149	PGSC0003DMG400009205
PGSC0003DMG400012398	PGSC0003DMG400000591	PGSC0003DMG400017235
PGSC0003DMG400016975	PGSC0003DMG400028152	PGSC0003DMG400011568
PGSC0003DMG400016544	PGSC0003DMG400000827	PGSC0003DMG400022161
PGSC0003DMG400013735	PGSC0003DMG400025470	PGSC0003DMG400014009
PGSC0003DMG400012860	PGSC0003DMG401022197	PGSC0003DMG400011750
PGSC0003DMG400005162	PGSC0003DMG400033932	PGSC0003DMG400019732
PGSC0003DMG400032094	PGSC0003DMG402008010	PGSC0003DMG400001268
PGSC0003DMG400013931	PGSC0003DMG400003866	PGSC0003DMG400021026

PGSC0003DMG400016906	PGSC0003DMG400008202	PGSC0003DMG400007623
PGSC0003DMG400018123	PGSC0003DMG400046001	PGSC0003DMG403006909
PGSC0003DMG400025170	PGSC0003DMG400004478	PGSC0003DMG400009654
PGSC0003DMG400013774	PGSC0003DMG400024749	PGSC0003DMG400027778
PGSC0003DMG400030389	PGSC0003DMG400008180	PGSC0003DMG402006401
PGSC0003DMG401002122	PGSC0003DMG400024661	PGSC0003DMG400013684
PGSC0003DMG400042482	PGSC0003DMG400039160	PGSC0003DMG402029877
PGSC0003DMG400003759	PGSC0003DMG400025844	PGSC0003DMG400008212
PGSC0003DMG400033116	PGSC0003DMG400010724	PGSC0003DMG400013599
PGSC0003DMG400027417	PGSC0003DMG400011902	PGSC0003DMG400012007
PGSC0003DMG400004014	PGSC0003DMG402005074	PGSC0003DMG400029187
PGSC0003DMG400028476	PGSC0003DMG400002085	PGSC0003DMG400020681
PGSC0003DMG400021437	PGSC0003DMG400021265	PGSC0003DMG401001548
PGSC0003DMG400012852	PGSC0003DMG400021372	PGSC0003DMG400012425
PGSC0003DMG402030099	PGSC0003DMG400014236	PGSC0003DMG400030674
PGSC0003DMG400022176	PGSC0003DMG400000776	PGSC0003DMG400028405
PGSC0003DMG400020064	PGSC0003DMG400017721	PGSC0003DMG400024675
PGSC0003DMG400024128	PGSC0003DMG400027046	PGSC0003DMG400028278
PGSC0003DMG400028231	PGSC0003DMG402017902	PGSC0003DMG400015958
PGSC0003DMG400006058	PGSC0003DMG400009021	PGSC0003DMG400032516
PGSC0003DMG400022398	PGSC0003DMG402001316	PGSC0003DMG400032255
PGSC0003DMG400008854	PGSC0003DMG400009985	PGSC0003DMG400009774
PGSC0003DMG400013460	PGSC0003DMG400004005	PGSC0003DMG400004532
PGSC0003DMG400010044	PGSC0003DMG400000716	PGSC0003DMG400009992
PGSC0003DMG400011637	PGSC0003DMG400011087	PGSC0003DMG400001992
PGSC0003DMG400015930	PGSC0003DMG400015874	PGSC0003DMG402016307
PGSC0003DMG400020880	PGSC0003DMG400013757	PGSC0003DMG400013651
PGSC0003DMG400028518	PGSC0003DMG400020909	PGSC0003DMG400012646
PGSC0003DMG401016989	PGSC0003DMG400015611	PGSC0003DMG400025496
PGSC0003DMG400028535	PGSC0003DMG402005729	PGSC0003DMG400019639
PGSC0003DMG400004934	PGSC0003DMG400024120	PGSC0003DMG400000689

PGSC0003DMG400018660	PGSC0003DMG401029631	PGSC0003DMG400008575
PGSC0003DMG400012252	PGSC0003DMG400006708	PGSC0003DMG400024203
PGSC0003DMG400004233	PGSC0003DMG400007964	PGSC0003DMG402015926
PGSC0003DMG400014150	PGSC0003DMG400003999	PGSC0003DMG400020131
PGSC0003DMG400001186	PGSC0003DMG401028367	PGSC0003DMG400011403
PGSC0003DMG400022574	PGSC0003DMG400004298	PGSC0003DMG400001696
PGSC0003DMG400023126	PGSC0003DMG400020757	PGSC0003DMG400009321
PGSC0003DMG400004329	PGSC0003DMG400030698	PGSC0003DMG400020976
PGSC0003DMG402006288	PGSC0003DMG400002166	PGSC0003DMG400028632
PGSC0003DMG400003837	PGSC0003DMG400032498	PGSC0003DMG400011806
PGSC0003DMG400006098	PGSC0003DMG400018331	PGSC0003DMG401022117
PGSC0003DMG400011350	PGSC0003DMG400001684	PGSC0003DMG400031102
PGSC0003DMG400004086	PGSC0003DMG400007518	PGSC0003DMG400001079
PGSC0003DMG400002899	PGSC0003DMG400016973	PGSC0003DMG400022538
PGSC0003DMG400018712	PGSC0003DMG400007601	PGSC0003DMG400029752
PGSC0003DMG400007161	PGSC0003DMG400016889	PGSC0003DMG400008289
PGSC0003DMG400016714	PGSC0003DMG400025063	PGSC0003DMG400021635
PGSC0003DMG400026612	PGSC0003DMG400023814	PGSC0003DMG400020173
PGSC0003DMG400007796	PGSC0003DMG400007374	PGSC0003DMG400031908
PGSC0003DMG400010629	PGSC0003DMG400026384	PGSC0003DMG400013436
PGSC0003DMG400018125	PGSC0003DMG400020099	PGSC0003DMG400017413
PGSC0003DMG400009507	PGSC0003DMG400046135	PGSC0003DMG400010472
PGSC0003DMG400025858	PGSC0003DMG400002885	PGSC0003DMG400001638
PGSC0003DMG401026486	PGSC0003DMG402004611	PGSC0003DMG400029417
PGSC0003DMG400016628	PGSC0003DMG400008403	PGSC0003DMG400006267
PGSC0003DMG400029456	PGSC0003DMG400019618	PGSC0003DMG400007621
PGSC0003DMG400011520	PGSC0003DMG400013855	PGSC0003DMG400028773
PGSC0003DMG401030822	PGSC0003DMG400028893	PGSC0003DMG400019830
PGSC0003DMG400005372	PGSC0003DMG400004703	PGSC0003DMG400022152
PGSC0003DMG400010604	PGSC0003DMG400011726	PGSC0003DMG400015544
PGSC0003DMG400040556	PGSC0003DMG400014771	PGSC0003DMG400015604

PGSC0003DMG400029374	PGSC0003DMG400023343	PGSC0003DMG400025283
PGSC0003DMG400020556	PGSC0003DMG400018102	PGSC0003DMG400024126
PGSC0003DMG400000996	PGSC0003DMG400024948	PGSC0003DMG400014477
PGSC0003DMG400009906	PGSC0003DMG400019535	PGSC0003DMG400033131
PGSC0003DMG400028332	PGSC0003DMG400030394	PGSC0003DMG400004931
PGSC0003DMG400023125	PGSC0003DMG400009530	PGSC0003DMG400016000
PGSC0003DMG400002259	PGSC0003DMG400021325	PGSC0003DMG400021027
PGSC0003DMG400014936	PGSC0003DMG400002156	PGSC0003DMG400006021
PGSC0003DMG400019575	PGSC0003DMG400024504	PGSC0003DMG400034094
PGSC0003DMG400016410	PGSC0003DMG400009124	PGSC0003DMG400006726
PGSC0003DMG400005365	PGSC0003DMG400030994	PGSC0003DMG400016721
PGSC0003DMG400024630	PGSC0003DMG400017335	PGSC0003DMG400003696
PGSC0003DMG400020122	PGSC0003DMG400019126	PGSC0003DMG400020225
PGSC0003DMG400007760	PGSC0003DMG400030509	PGSC0003DMG400033357
PGSC0003DMG400026176	PGSC0003DMG400014776	PGSC0003DMG400018373
PGSC0003DMG400012083	PGSC0003DMG400006230	PGSC0003DMG400012176
PGSC0003DMG400012467	PGSC0003DMG400018690	PGSC0003DMG400007872
PGSC0003DMG400013120	PGSC0003DMG400028485	PGSC0003DMG400031271
PGSC0003DMG400022094	PGSC0003DMG400018610	PGSC0003DMG400010603
PGSC0003DMG400025472	PGSC0003DMG400018452	PGSC0003DMG400018109
PGSC0003DMG400019182	PGSC0003DMG400030902	PGSC0003DMG400016067
PGSC0003DMG400019970	PGSC0003DMG400024377	PGSC0003DMG400023985
PGSC0003DMG400028873	PGSC0003DMG400010067	PGSC0003DMG400022936
PGSC0003DMG400007016	PGSC0003DMG400010226	PGSC0003DMG400017223
PGSC0003DMG400034309	PGSC0003DMG400015185	PGSC0003DMG400033350
PGSC0003DMG401023186	PGSC0003DMG400030418	PGSC0003DMG400030427
PGSC0003DMG400005269	PGSC0003DMG400027945	PGSC0003DMG400027418
PGSC0003DMG400002149	PGSC0003DMG400004930	PGSC0003DMG400028997
PGSC0003DMG400027199	PGSC0003DMG401003156	PGSC0003DMG400013879
PGSC0003DMG400025857	PGSC0003DMG400022013	PGSC0003DMG402020784
PGSC0003DMG400031742	PGSC0003DMG400021360	PGSC0003DMG400008596

PGSC0003DMG400014257	PGSC0003DMG401013152
PGSC0003DMG400009479	PGSC0003DMG402006579
PGSC0003DMG400043599	PGSC0003DMG400011974
PGSC0003DMG400018472	PGSC0003DMG400011824
PGSC0003DMG400016400	PGSC0003DMG400007006
PGSC0003DMG401004193	PGSC0003DMG400021151
PGSC0003DMG400035598	PGSC0003DMG402019948
PGSC0003DMG400005563	PGSC0003DMG400028977
PGSC0003DMG400020968	PGSC0003DMG400006931
PGSC0003DMG400018171	PGSC0003DMG400008868
PGSC0003DMG400035174	PGSC0003DMG400018093
PGSC0003DMG400008948	PGSC0003DMG401030108
PGSC0003DMG400015727	PGSC0003DMG400008642
PGSC0003DMG400004203	PGSC0003DMG400012485
PGSC0003DMG400006039	PGSC0003DMG400025620
PGSC0003DMG400016941	PGSC0003DMG400006086
PGSC0003DMG400002581	PGSC0003DMG400006974
PGSC0003DMG400008599	PGSC0003DMG401027016
PGSC0003DMG400001185	PGSC0003DMG400010854
PGSC0003DMG400025905	PGSC0003DMG400025515
PGSC0003DMG400027963	PGSC0003DMG400036472
PGSC0003DMG400010843	PGSC0003DMG400026396
PGSC0003DMG400012111	PGSC0003DMG400024276
PGSC0003DMG400004963	PGSC0003DMG400039692
PGSC0003DMG400017148	
PGSC0003DMG402017663	
PGSC0003DMG400005750	
PGSC0003DMG400013030	
PGSC0003DMG400024890	
PGSC0003DMG400009378	
PGSC0003DMG400009850	

PGSC0003DMG400029308
PGSC0003DMG400018713
PGSC0003DMG400022070
PGSC0003DMG400021857
PGSC0003DMG400019257
PGSC0003DMG400011370
PGSC0003DMG402016112
PGSC0003DMG400027457
PGSC0003DMG400008128
PGSC0003DMG400021201
PGSC0003DMG400008848
PGSC0003DMG400006198
PGSC0003DMG400002570
PGSC0003DMG400002810
PGSC0003DMG400028098
PGSC0003DMG400011628
PGSC0003DMG400033134
PGSC0003DMG400017857
PGSC0003DMG400020514
PGSC0003DMG400038020
PGSC0003DMG400018811
PGSC0003DMG400018119
PGSC0003DMG400024068
PGSC0003DMG400000803
PGSC0003DMG400021834
PGSC0003DMG400032087
PGSC0003DMG400001944
PGSC0003DMG400021284
PGSC0003DMG400024753
PGSC0003DMG401008870
PGSC0003DMG400046726

PGSC0003DMG401021057

PGSC0003DMG400015491

PGSC0003DMG400024060

PGSC0003DMG400020618

PGSC0003DMG400002090

PGSC0003DMG400015692

INV-Innovator, VDP-Vanderplank

1-inoculated, 2- un-inoculated