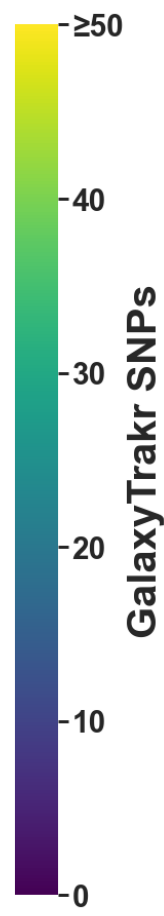
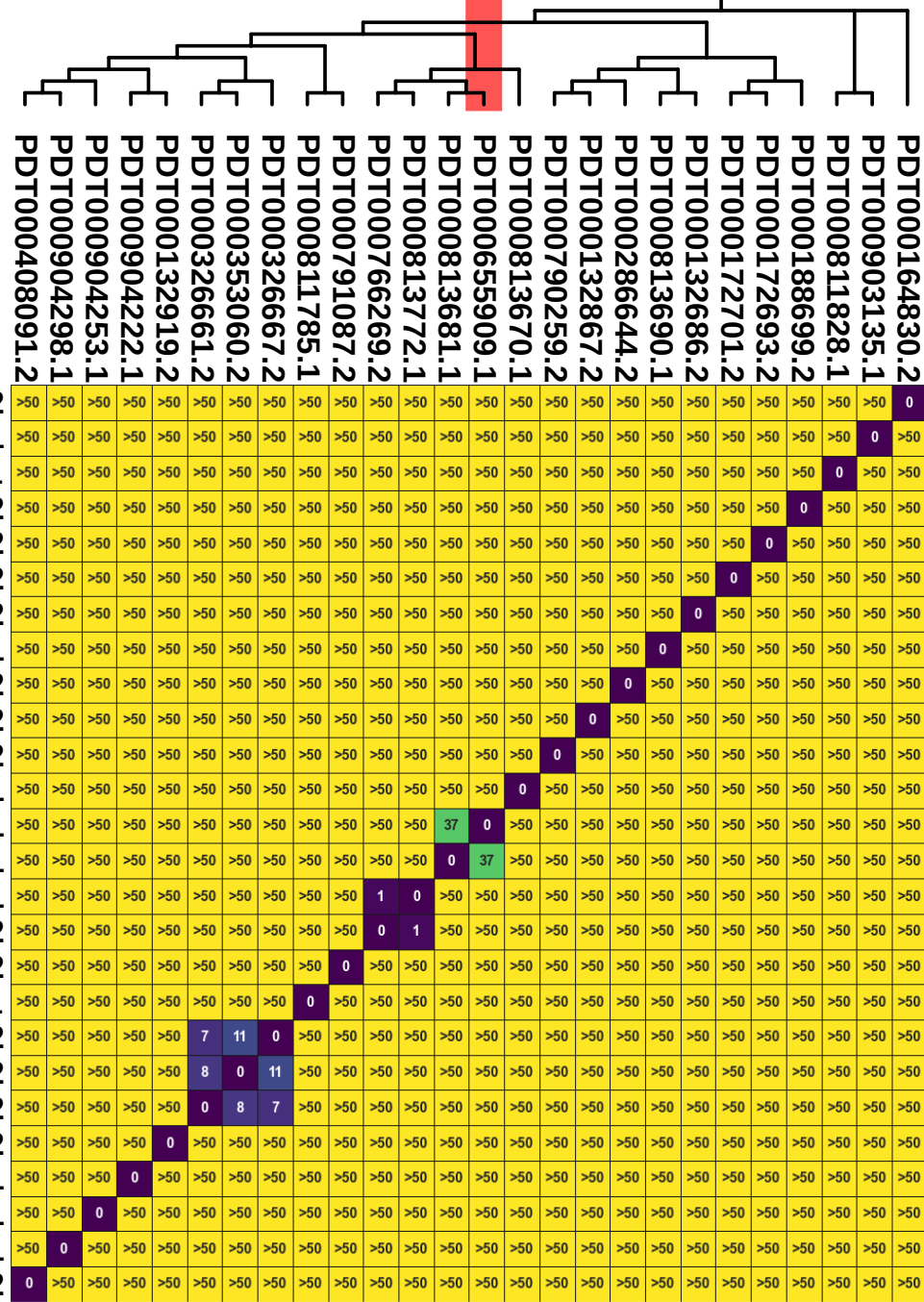


**Figure S1. Unclustered patient isolates that were not linked to any in the NCBI Pathogen Detection program at the time of analyses.** MLST and SCCmec types are as follows: patient 18, MLST 8, SCCmec type IVg(2B); patient 19, MLST 8, SCCmec type IVa(2B); patient 20, MLST 87, SCCmec type IVa(2B); patient 21, MLST 5, SCCmec type IVa(2B); patient 22, MLST 6, SCCmec type IVa(2B). Refer to Figure 1 for the context of these isolates relative to those in other SNP clusters.

Seed: PDT000655909.1, patient 6  
(cluster 2) day 550

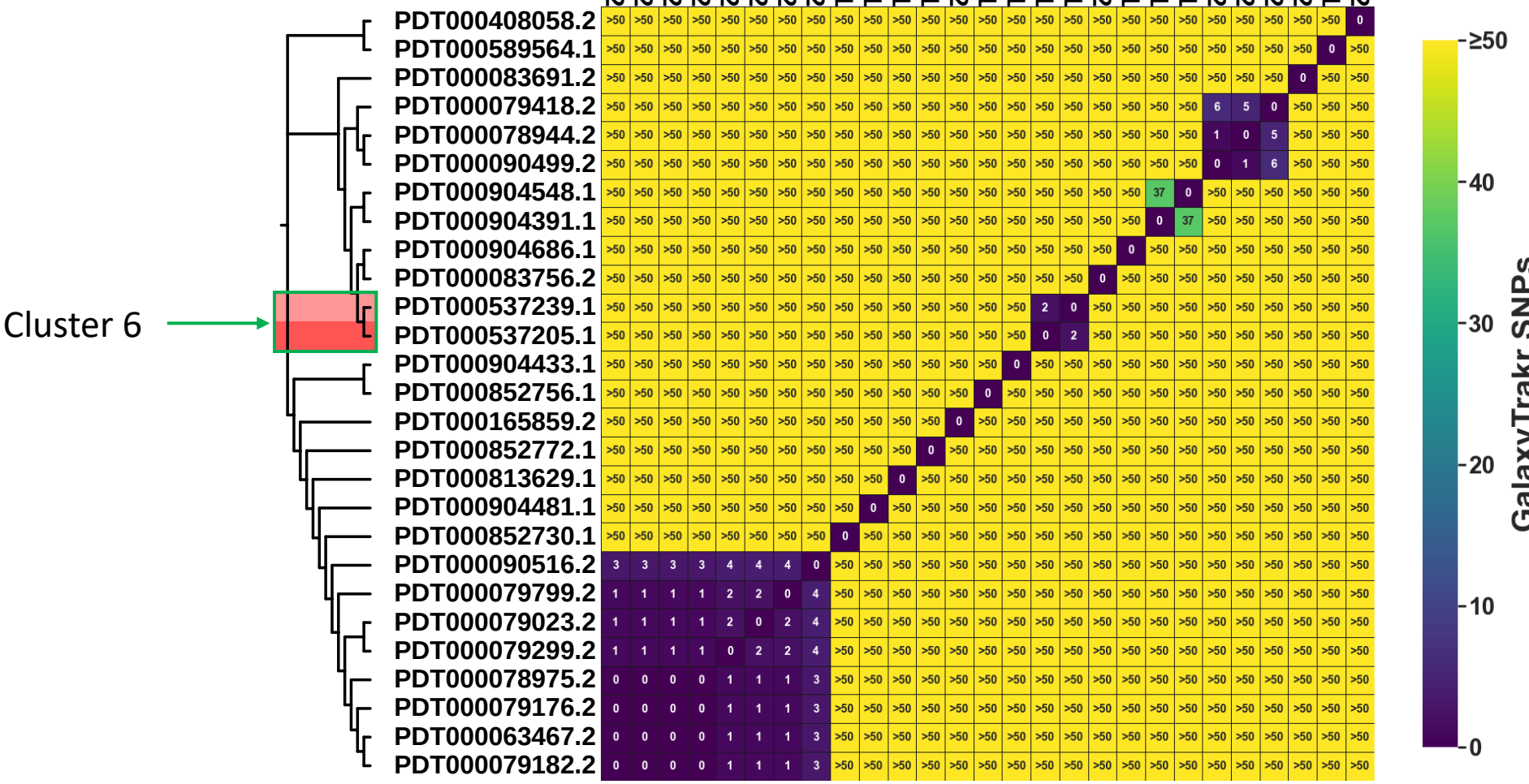
■ BWH Isolate  
■ BWH Isolate and Seed



**Figure S2. Phylogenetic context of cluster 2.** Isolates from our institution are highlighted in light red, with the seed shown in darker red. Phylogeny branch lengths are unweighted. NCBI SNP Clusters are outlined in green. Numbers of SNPs are indicated by number and by color from dark purple (low) to light yellow (high).

Seed: PDT000537205.1, patient 17  
(cluster 6) day 215

BWH Isolate  
 BWH Isolate and Seed



**Figure S3. Phylogenetic context of cluster 6.** Isolates from our institution are highlighted in light red, with the seed shown in darker red. NCBI SNP Clusters are outlined in green. Numbers of SNPs are indicated by number and by color from dark purple (low values) to light yellow (high values).







Seed: PDT000551279.1, patient  
13 (cluster 4) day 361

BWH Isolate  
BWH Isolate and Seed

Cluster 4 →

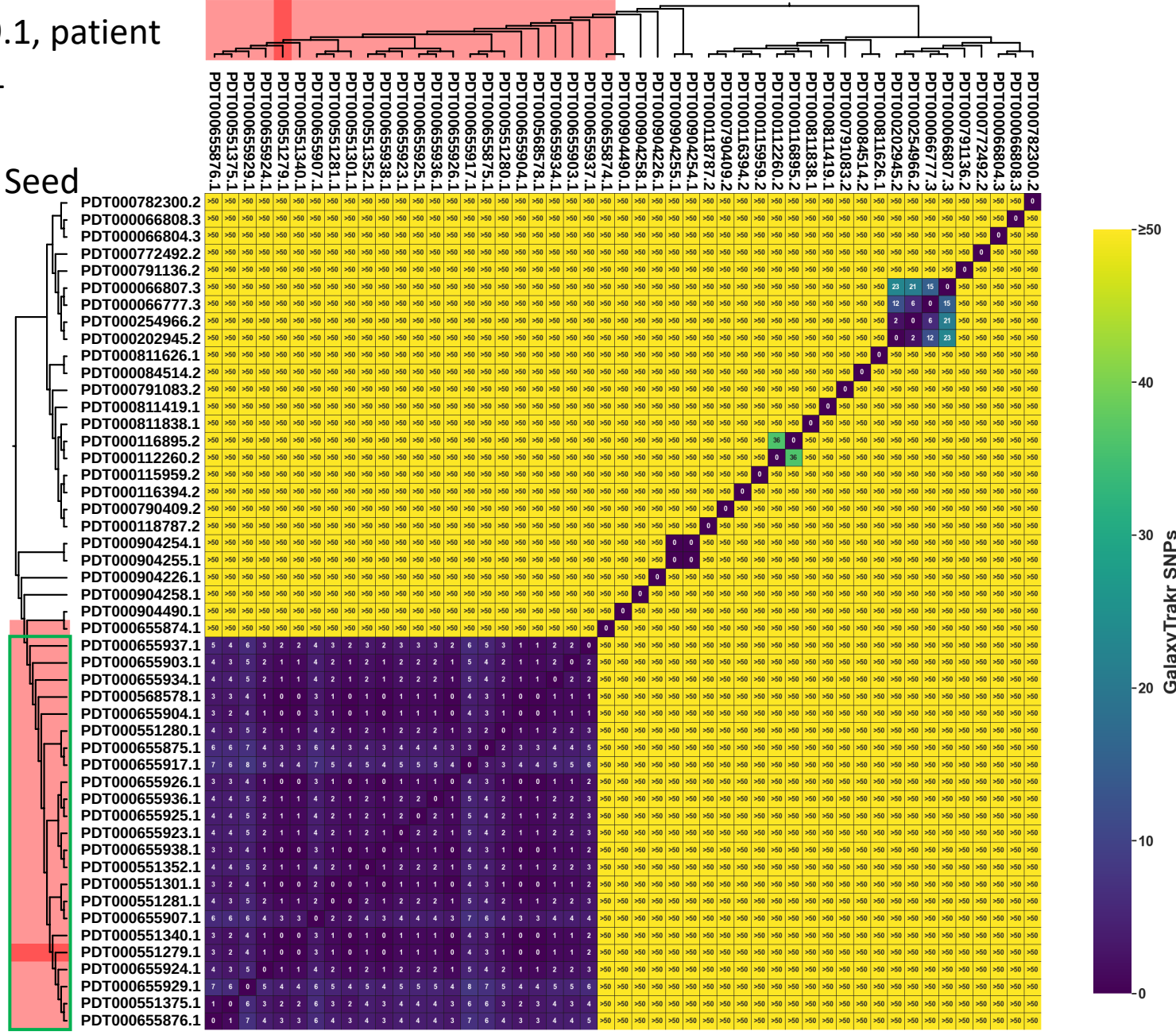
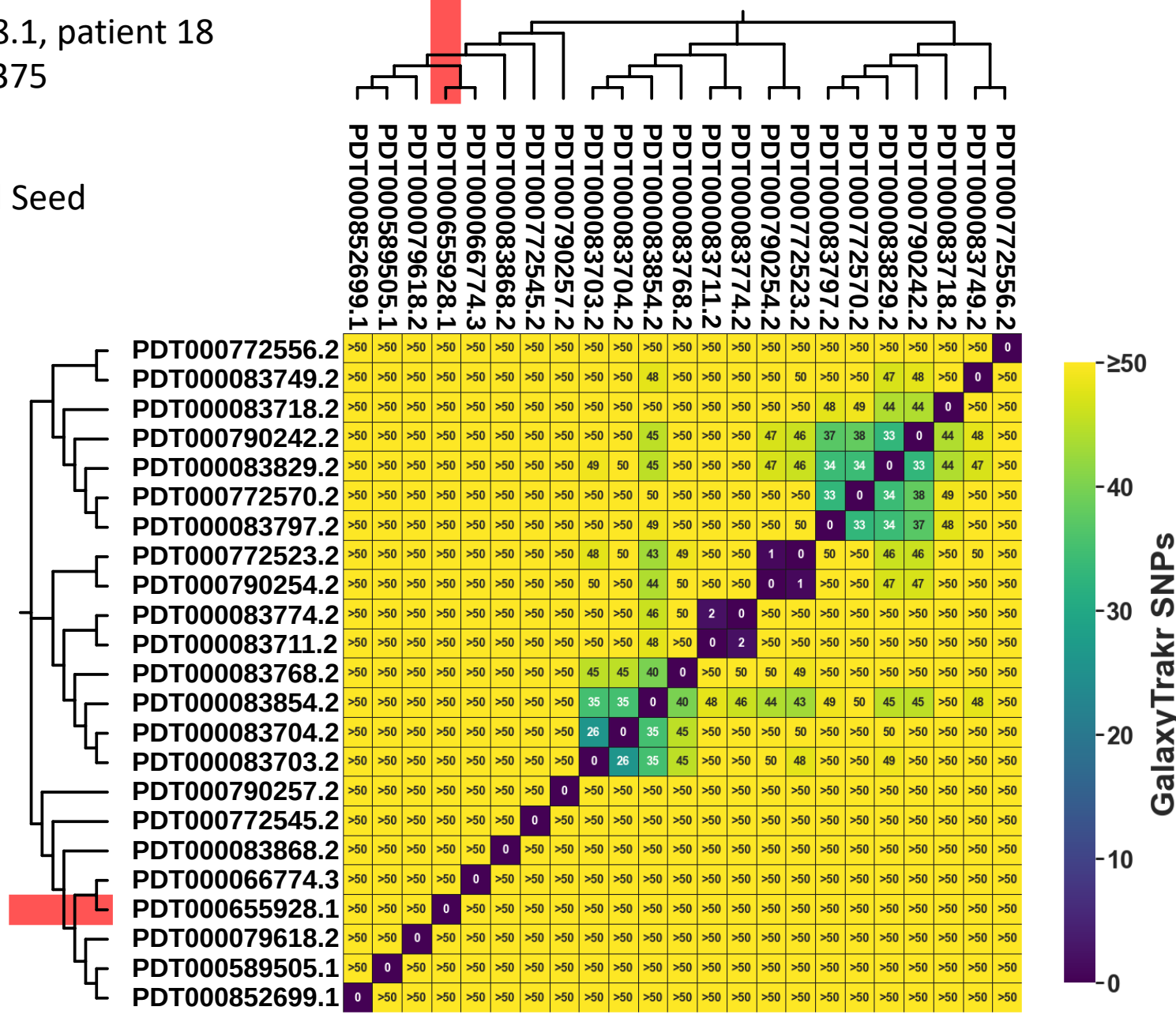


Figure S6. Phylogenetic context of cluster 4. Isolates from our institution are highlighted in light red, with the seed shown in darker red. NCBI SNP Clusters are outlined in green. Numbers of SNPs are indicated by number and by color from dark purple (low values) to light yellow (high values).



Seed: PDT000655928.1, patient 18  
(non-clustered) day 375

■ BWH Isolate  
■ BWH Isolate and Seed

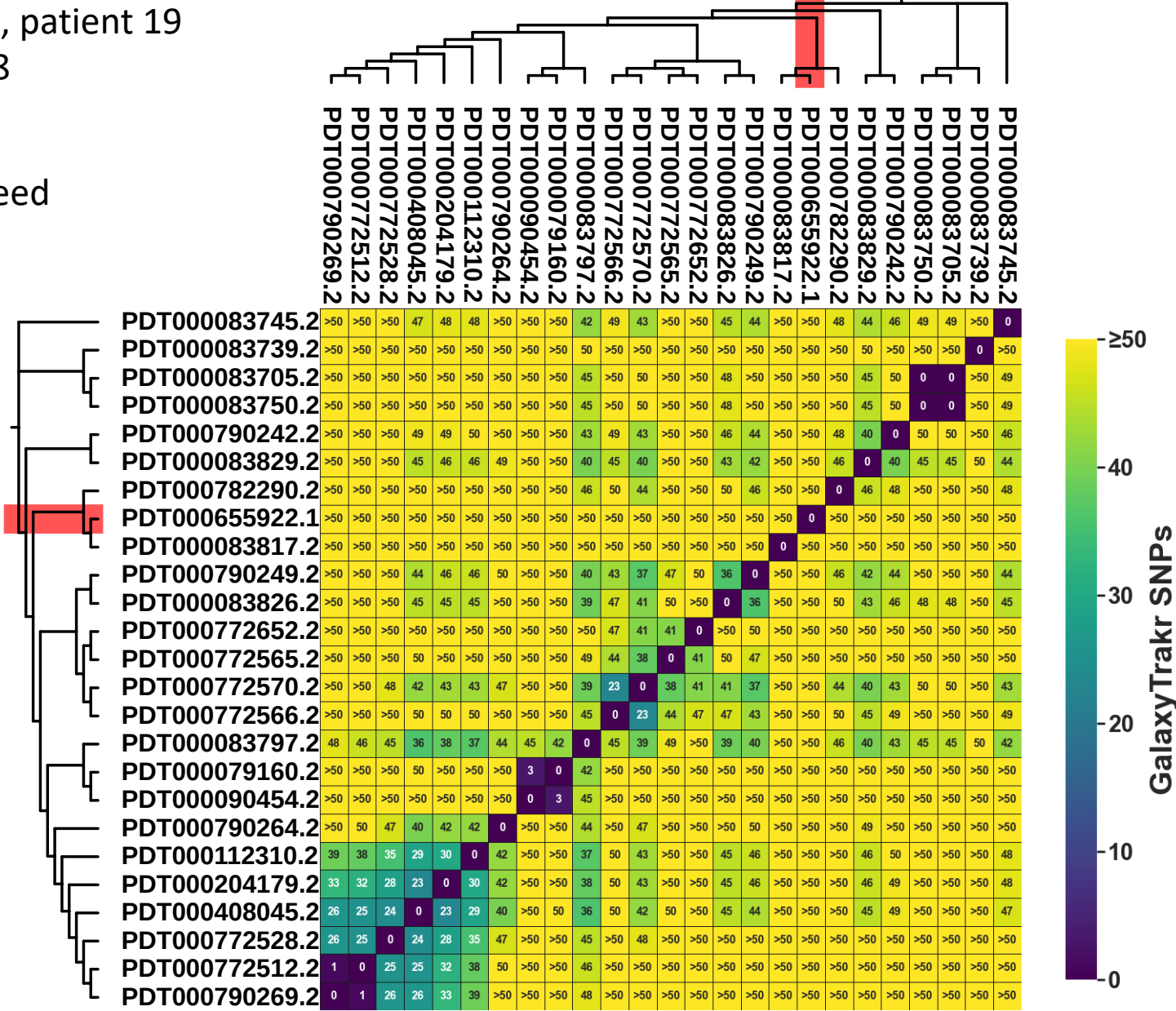


**Figure S8. Phylogenetic context of PDT000655928.1.** Isolates from our institution are highlighted in light red, with the seed shown in darker red. NCBI SNP Clusters are outlined in green. Numbers of SNPs are indicated by number and by color from dark purple (low values) to light yellow (high values).



Seed: PDT000655922.1, patient 19  
(non-clustered) day 438

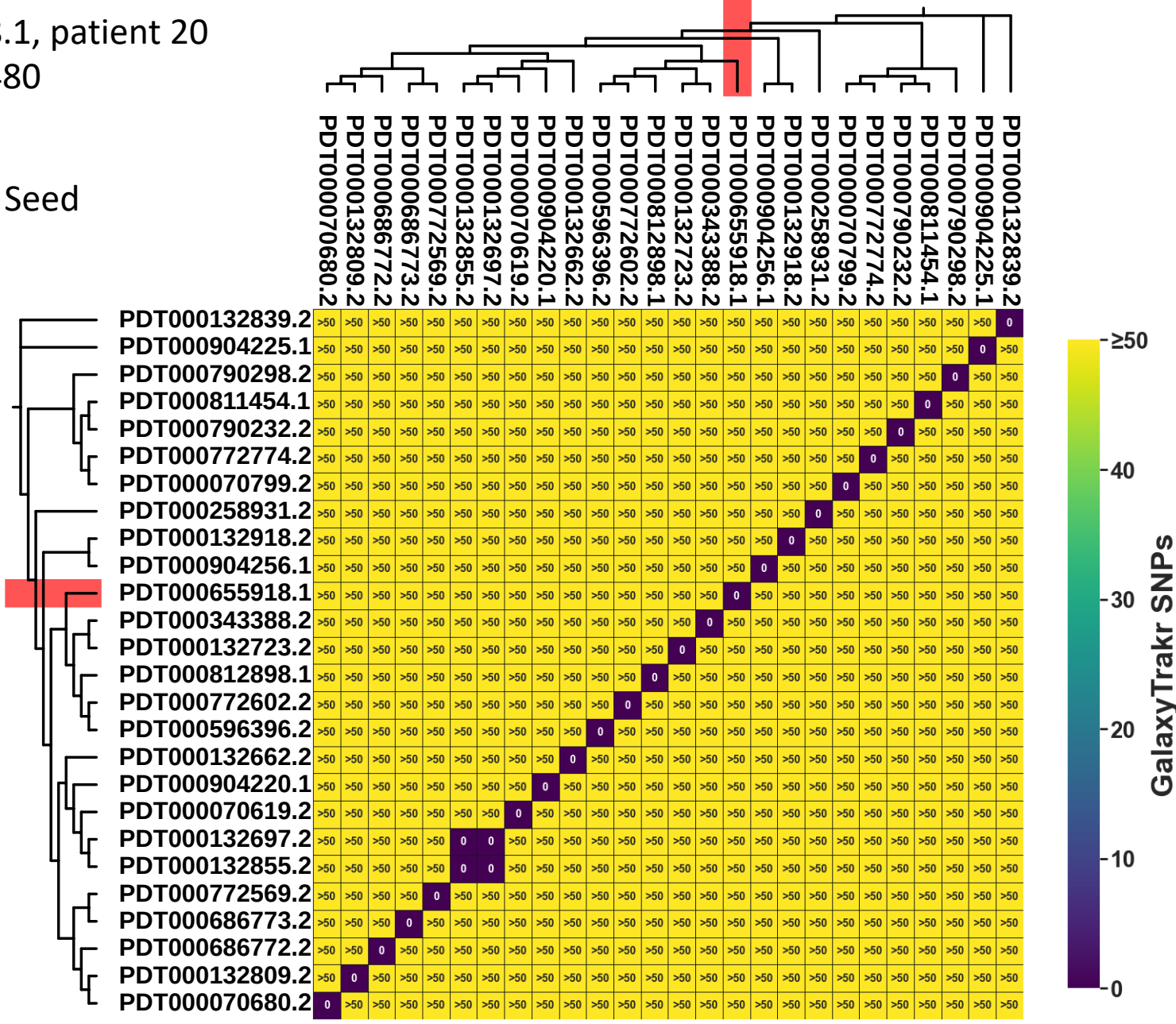
■ BWH Isolate  
■ BWH Isolate and Seed



**Figure S9. Phylogenetic context of PDT000655922.1.** Isolates from our institution are highlighted in light red, with the seed shown in darker red. NCBI SNP Clusters are outlined in green. Numbers of SNPs are indicated by number and by color from dark purple (low values) to light yellow (high values).

Seed: PDT000655918.1, patient 20  
(non-clustered) day 480

■ BWH Isolate  
■ BWH Isolate and Seed

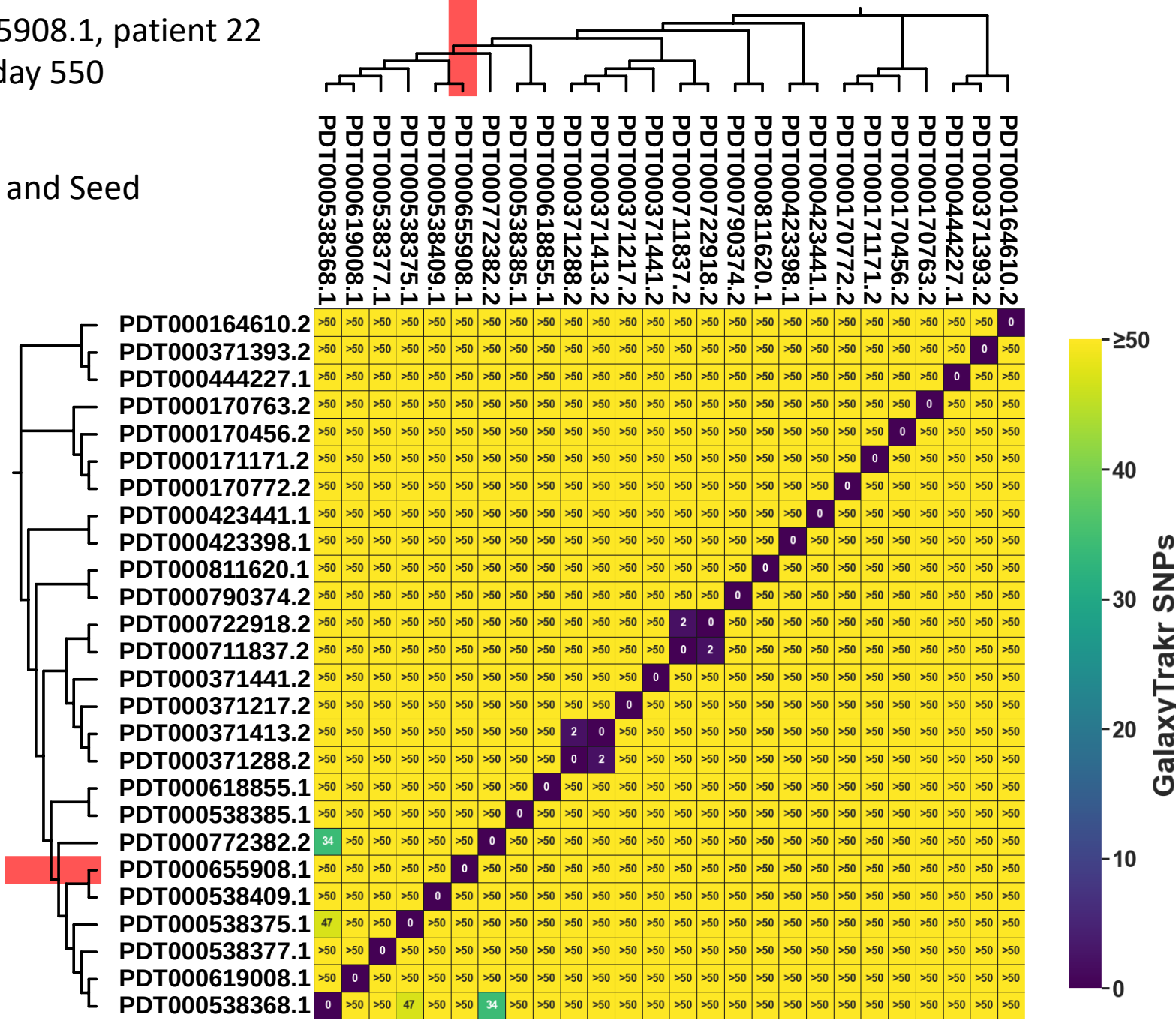


**Figure S10. Phylogenetic context of PDT000655918.1.** Isolates from our institution are highlighted in light red, with the seed shown in darker red. NCBI SNP Clusters are outlined in green. Numbers of SNPs are indicated by number and by color from dark purple (low values) to light yellow (high values).



Seed: PDT000655908.1, patient 22  
(non-clustered) day 550

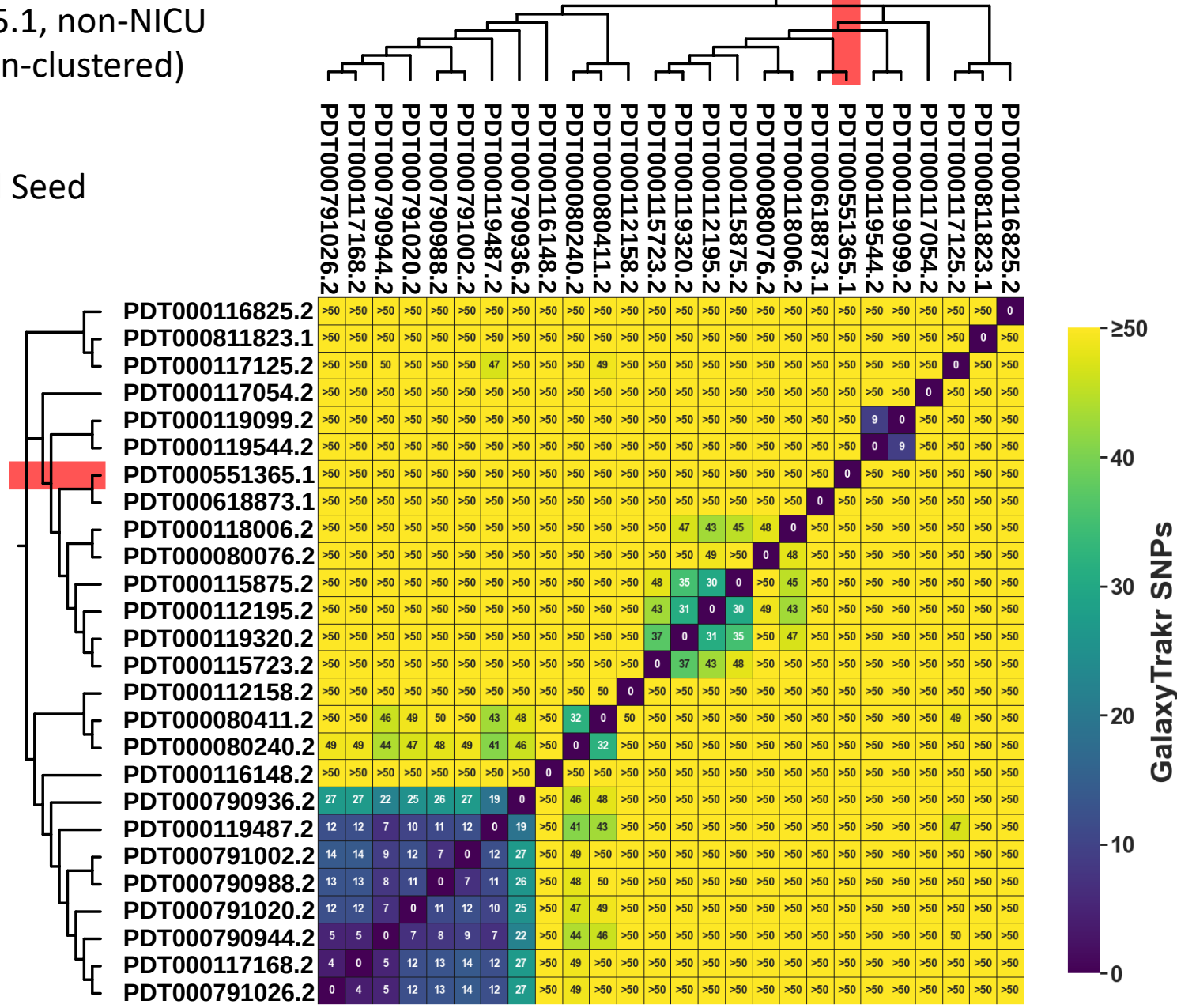
BWH Isolate  
 BWH Isolate and Seed



**Figure S12. Phylogenetic context of PDT000655908.1.** Isolates from our institution are highlighted in light red, with the seed shown in darker red. NCBI SNP Clusters are outlined in green. Numbers of SNPs are indicated by number and by color from dark purple (low values) to light yellow (high values).

Seed: PDT000551365.1, non-NICU  
 BWH submission (non-clustered)



■ BWH Isolate  
■ BWH Isolate and Seed



**Figure S13. Phylogenetic context of PDT000551365.1.** Isolates from our institution are highlighted in light red, with the seed shown in darker red. NCBI SNP Clusters are outlined in green. Numbers of SNPs are indicated by number and by color from dark purple (low values) to light yellow (high values).



Seed: PDT000168658.2, non-NICU  
 BWH submission (non-clustered)

 BWH Isolate  
 BWH Isolate and Seed

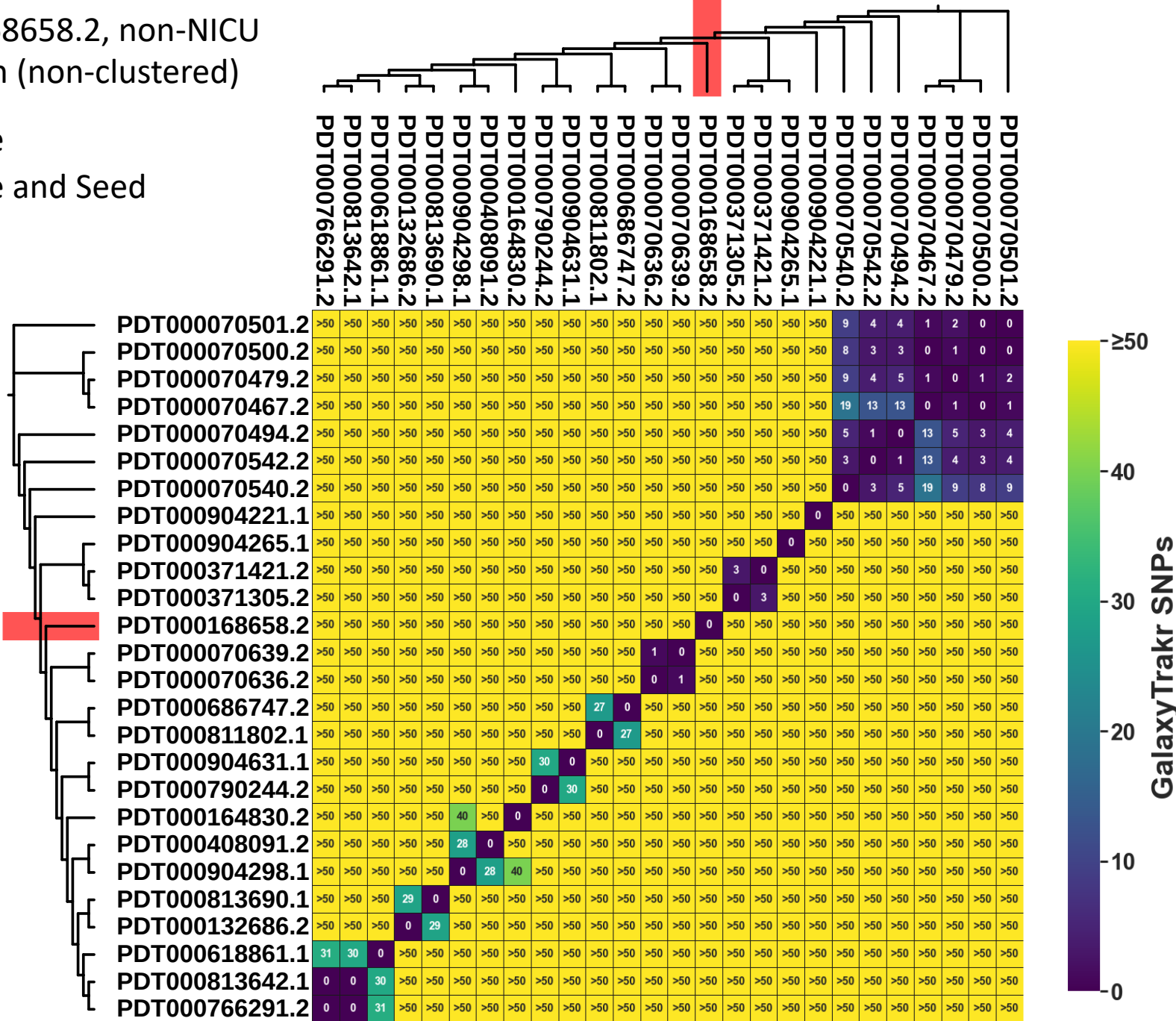
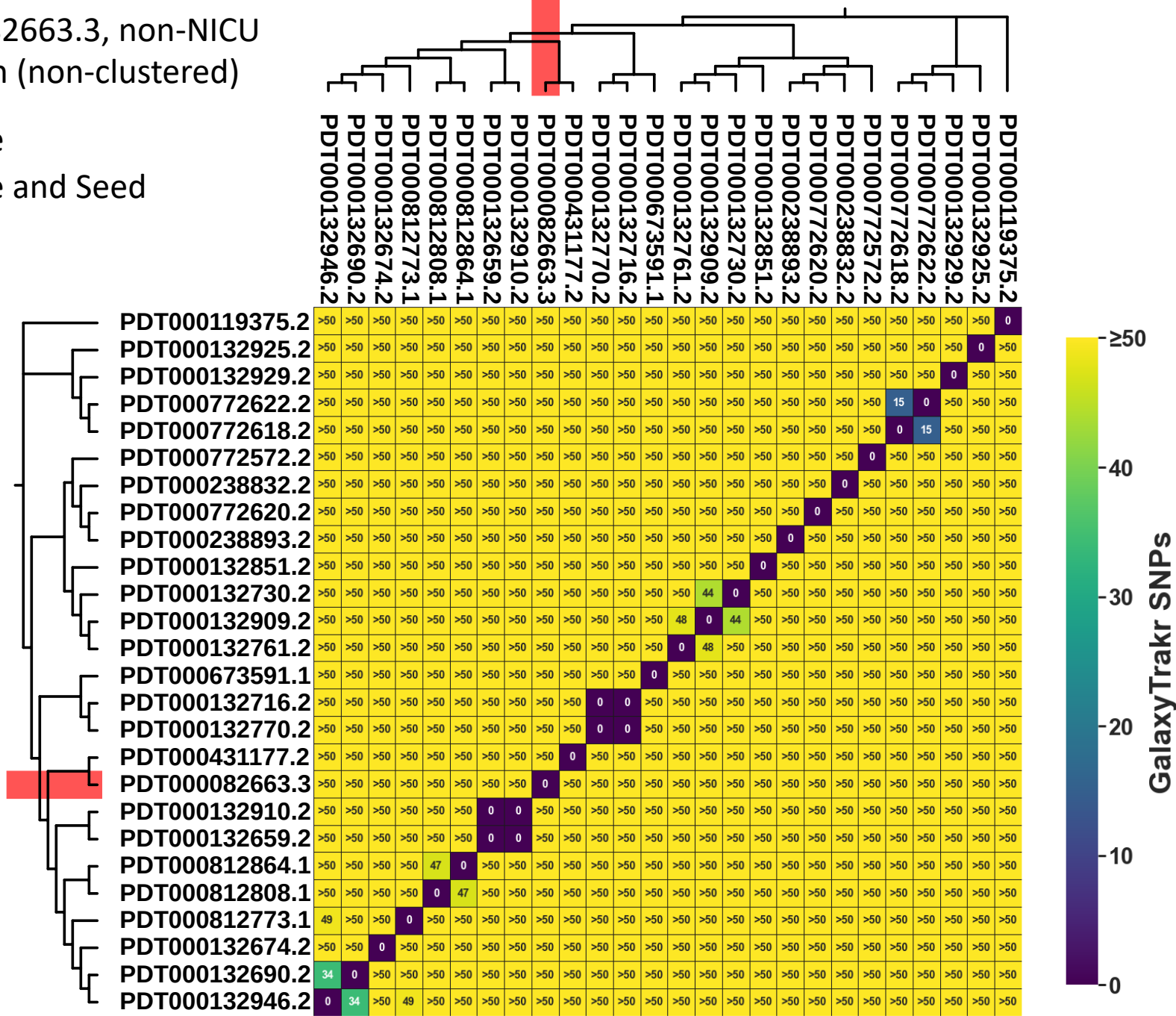


Figure S14. Phylogenetic context of PDT000168658.2.1. Isolates from our institution are highlighted in light red, with the seed shown in darker red. NCBI SNP Clusters are outlined in green. Numbers of SNPs are indicated by number and by color from dark purple (low values) to light yellow (high values).



Seed: PDT000082663.3, non-NICU  
 BWH submission (non-clustered)

BWH Isolate  
 BWH Isolate and Seed



**Figure S16. Phylogenetic context of PDT000082663.3.** Isolates from our institution are highlighted in light red, with the seed shown in darker red. NCBI SNP Clusters are outlined in green. Numbers of SNPs are indicated by number and by color from dark purple (low values) to light yellow (high values).

Seed: PDT000082678.2, non-NICU  
 BWH submission (non-clustered)

■ BWH Isolate  
■ BWH Isolate and Seed

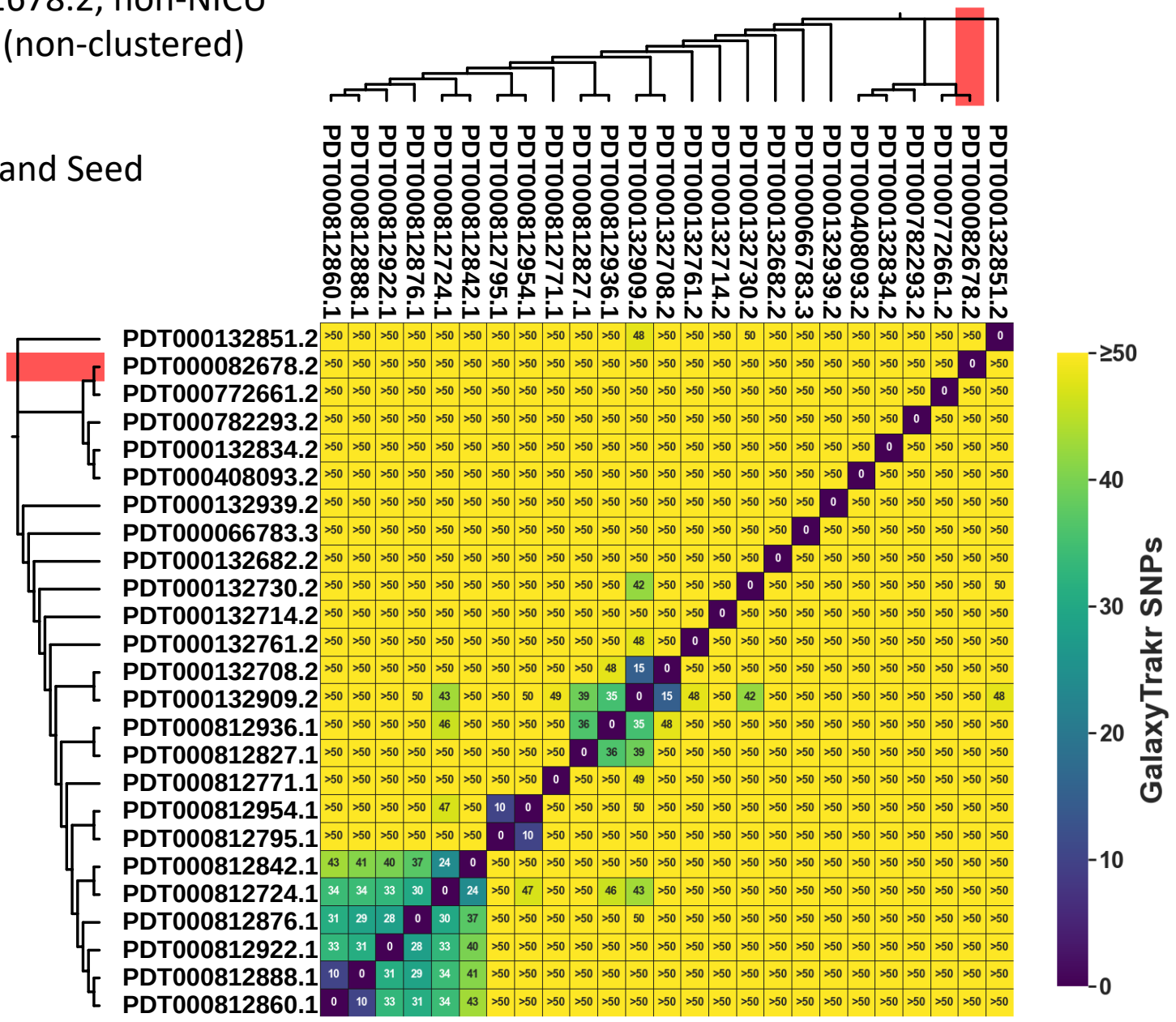


Figure S17. Phylogenetic context of PDT000082678.2. Isolates from our institution are highlighted in light red, with the seed shown in darker red. NCBI SNP Clusters are outlined in green. Numbers of SNPs are indicated by number and by color from dark purple (low values) to light yellow (high values).

Seed: PDT000082665.2, non-NICU  
 BWH submission (non-clustered)

■ BWH Isolate  
■ BWH Isolate and Seed

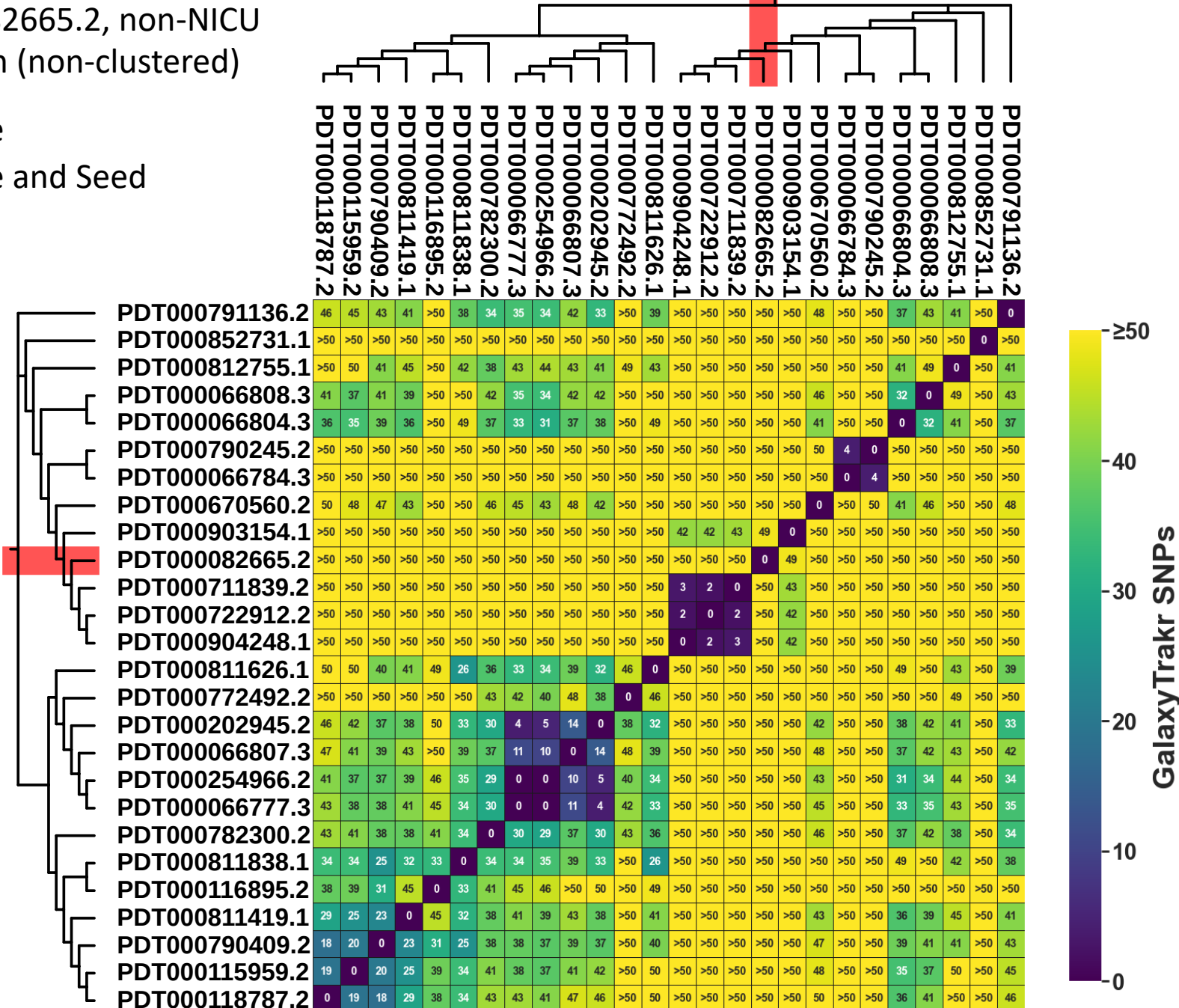


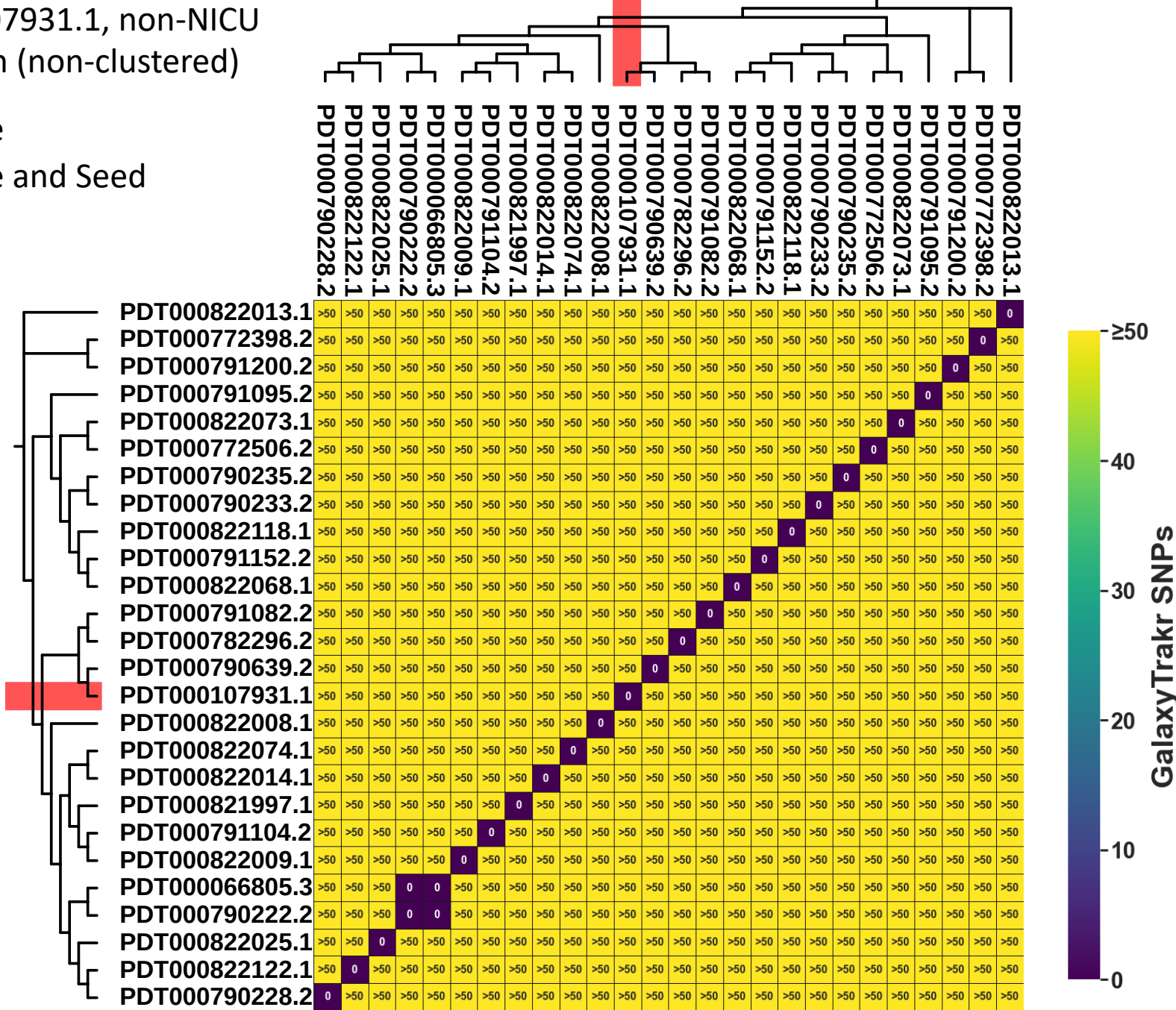


Figure S18. Phylogenetic context of PDT000082665.2. Isolates from our institution are highlighted in light red, with the seed shown in darker red. NCBI SNP Clusters are outlined in green. Numbers of SNPs are indicated by number and by color from dark purple (low values) to light yellow (high values).





Seed: PDT000107931.1, non-NICU  
 BWH submission (non-clustered)

 BWH Isolate  
 BWH Isolate and Seed



**Figure S19. Phylogenetic context of 107931.1.** Isolates from our institution are highlighted in light red, with the seed shown in darker red. NCBI SNP Clusters are outlined in green. Numbers of SNPs are indicated by number and by color from dark purple (low values) to light yellow (high values).

Seed: PDT000082677.2, non-NICU  
 BWH submission (non-clustered)

 BWH Isolate  
 BWH Isolate and Seed

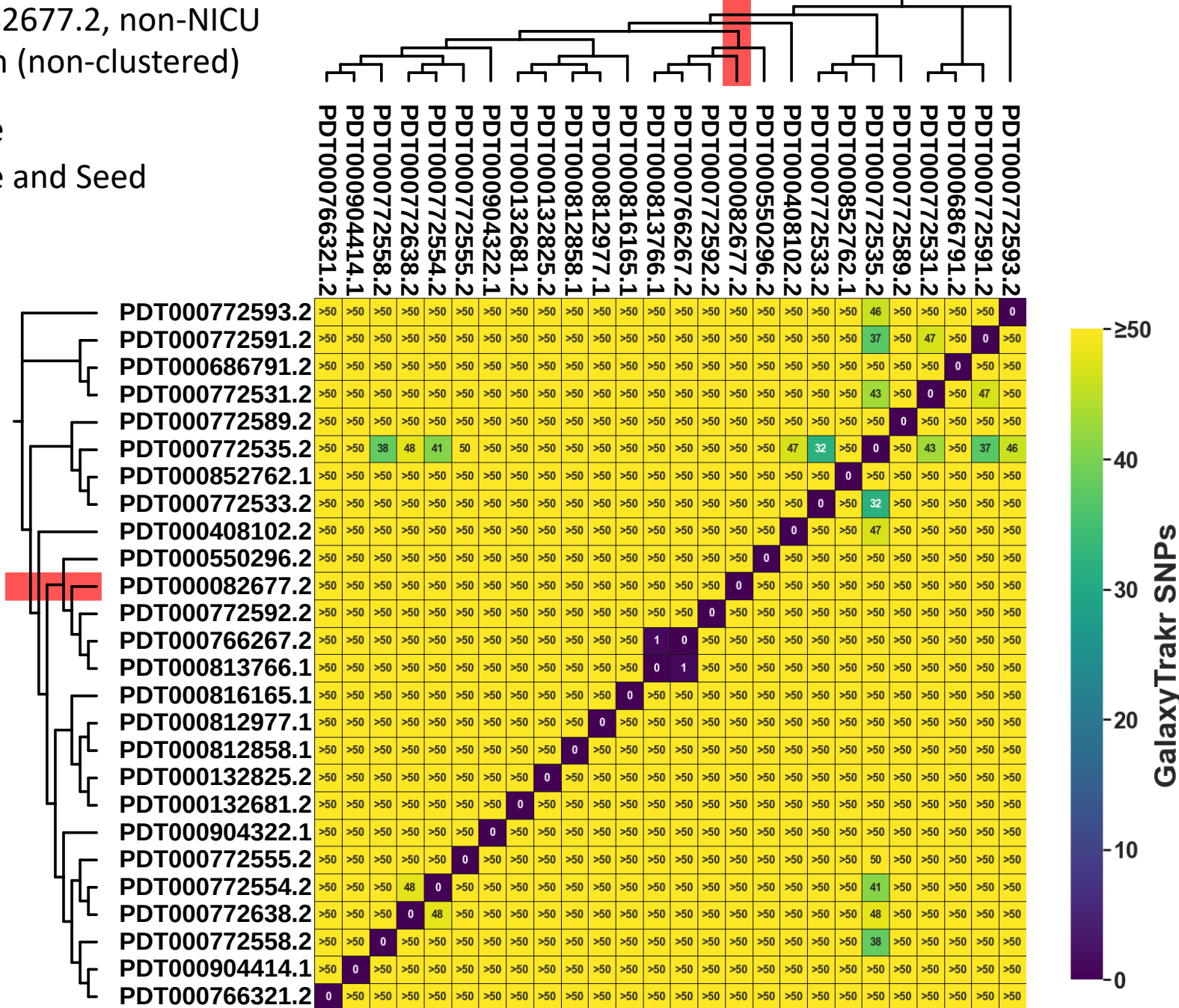


Figure S20. Phylogenetic context of PDT000082677.2. Isolates from our institution are highlighted in light red, with the seed shown in darker red. NCBI SNP Clusters are outlined in green. Numbers of SNPs are indicated by number and by color from dark purple (low values) to light yellow (high values).

ICD10 Code	Definition	Proportion with MRSA (n = 22)	Proportion without MRSA (n = 501)	p value	q value
P61.2	Anemia of prematurity	0.64 (14)	0.14 (68)	< 0.001	< 0.001
P27.1	Bronchopulmonary dysplasia originating in the perinatal period	0.41 (9)	0.06 (31)	< 0.001	< 0.001
P07.30	Preterm newborn, unspecified weeks of gestation	0.68 (15)	0.22 (111)	< 0.001	< 0.001
R63.3	Feeding difficulties	0.73 (16)	0.25 (126)	< 0.001	< 0.001
P00.89	Newborn (suspected to be) affected by other maternal conditions	0.36 (8)	0.08 (38)	< 0.001	< 0.001
P28.4	Other apnea of newborn	0.82 (18)	0.38 (192)	< 0.001	0.001
P81.9	Disturbance of temperature regulation of newborn, unspecified	0.82 (18)	0.43 (214)	0.001	0.002
P07.14	Other low birth weight newborn, 1000-1249 grams	0.27 (6)	0.06 (30)	0.001	0.003
P59.0	Neonatal jaundice associated with preterm delivery	0.64 (14)	0.29 (144)	0.001	0.004
Z38.31	Twin liveborn infant, delivered by cesarean	0.41 (9)	0.14 (70)	0.002	0.005
Q25.0	Patent ductus arteriosus	0.27 (6)	0.09 (43)	0.010	0.027

**Table S1.** 29 hypotheses from all ICD10 codes met the prerequisite number of 5 individuals from the group with MRSA and 20 from the group without MRSA. P values are calculated using chisq and q values are p values that are false discovery rate adjusted. Significant results (q value  $\leq$  0.05) are shown. Values are shown in ascending q value score.

Code	Description	Number of patients	Average Length of stay, days (std)
P07.00	Extremely low birth weight newborn, unspecified weight	3	106.0(7.8)
P07.01	Extremely low birth weight newborn, less than 500 grams	4	67.5(64.7)
P07.02	Extremely low birth weight newborn, 500-749 grams	11	85.6(51.3)
P07.03	Extremely low birth weight newborn, 750-999 grams	13	82.0(30.7)
P07.10	Other low birth weight newborn, unspecified weight	45	35.9(25.3)
P07.14	Other low birth weight newborn, 1000-1249 grams	36	55.9(28.4)
P07.15	Other low birth weight newborn, 1250-1499 grams	54	53.3(25.2)
P07.16	Other low birth weight newborn, 1500-1749 grams	23	36.9(21.3)
P07.17	Other low birth weight newborn, 1750-1999 grams	44	28.4(15.8)
P07.18	Other low birth weight newborn, 2000-2499 grams	102	19.1(16.1)
P07.21	Extreme immaturity of newborn, gestational age less than 23 completed weeks	2	75.5(68.5)
P07.22	Extreme immaturity of newborn, gestational age 23 completed weeks	5	53.8(63.2)
P07.23	Extreme immaturity of newborn, gestational age 24 completed weeks	3	69.0(42.5)
P07.24	Extreme immaturity of newborn, gestational age 25 completed weeks	4	130.8(10.6)
P07.25	Extreme immaturity of newborn, gestational age 26 completed weeks	2	108.0(8.0)
P07.26	Extreme immaturity of newborn, gestational age 27 completed weeks	8	77.6(34.4)
P07.30	Preterm newborn, unspecified weeks of gestation	126	46.9(33.9)
P07.31	Preterm newborn, gestational age 28 completed weeks	21	59.0(33.7)
P07.32	Preterm newborn, gestational age 29 completed weeks	23	66.6(22.1)
P07.33	Preterm newborn, gestational age 30 completed weeks	18	58.6(22.3)
P07.34	Preterm newborn, gestational age 31 completed weeks	18	34.4(17.7)
P07.35	Preterm newborn, gestational age 32 completed weeks	34	43.2(22.3)
P07.36	Preterm newborn, gestational age 33 completed weeks	37	26.1(16.2)
P07.37	Preterm newborn, gestational age 34 completed weeks	68	22.9(13.6)
P07.38	Preterm newborn, gestational age 35 completed weeks	72	13.6(14.7)
P07.39	Preterm newborn, gestational age 36 completed weeks	51	13.3(11.3)

**Table S2.** Association of prematurity ICD10 codes with length of stay, defined as admission to discharge. “std” means “standard deviation”. Premature patients had an average admission of 29.7 days (std, 29.3), and full term infants (>36 completed weeks) had an average admission of 6.78 days (std, 7.15).

Supplementary Table 3								
CRIMSON ID	Day of study	Patient	BioProject	BioSample	Isolate	SRA Accession	Assembly	SNP cluster
0000-0075-9640	46	1	PRJNA278886	SAMN12610242	PDT000568584.1	SRR10004852	GCA_015602585.1	PDS000067849.1
0000-0075-9623	46	2	PRJNA278886	SAMN12610313	PDT000568586.1	SRR10005100	GCA_015602555.1	PDS000067849.1
0000-0079-6461	396	3	PRJNA278886	SAMN13687282	PDT000655931.1	SRR10842802	GCA_015593925.1	PDS000067849.1
0000-0079-6715	403	4	PRJNA278886	SAMN13687285	PDT000655927.1	SRR10842798	GCA_015593605.1	PDS000067849.1
0000-0079-6458	396	4	PRJNA278886	SAMN13687281	PDT000655932.1	SRR10842803	GCA_015593905.1	PDS000067849.1
0000-0079-5849	389	4	PRJNA278886	SAMN13687279	PDT000655933.1	SRR10842805	GCA_015594045.1	PDS000067849.1
0000-0079-4781	375	4	PRJNA278886	SAMN13687270	PDT000655906.1	SRR10842776	GCA_015594145.1	PDS000067849.1
0000-0079-5347	382	4	PRJNA278886	SAMN13687274	PDT000655902.1	SRR10842772	GCA_015594305.1	PDS000067849.1
0000-0079-6464	396	5	PRJNA278886	SAMN13687283	PDT000655930.1	SRR10842801	GCA_015593885.1	PDS000067849.1
0000-0080-8088	550	6	PRJNA278886	SAMN13687303	PDT000655909.1	SRR10842779	GCA_015594105.1	PDS000069849.1
0000-0079-5622	382	7	PRJNA278886	SAMN13687277	PDT000655935.1	SRR10842807	GCA_015593855.1	PDS000069850.1
0000-0079-4800	375	7	PRJNA278886	SAMN13687271	PDT000655905.1	SRR10842775	GCA_015594205.1	PDS000069850.1
0000-0079-4197	361	7	PRJNA278886	SAMN12414142	PDT000551320.1	SRR9860608	GCA_015602785.1	PDS000069850.1
0000-0079-4433	368	7	PRJNA278886	SAMN12414146	PDT000551278.1	SRR9860559	GCA_015602985.1	PDS000069850.1
0000-0080-0509	452	8	PRJNA278886	SAMN13687292	PDT000655920.1	SRR10842791	GCA_015593685.1	PDS000069850.1
0000-0080-0499	445	8	PRJNA278886	SAMN13687291	PDT000655921.1	SRR10842792	GCA_015593725.1	PDS000069850.1
0000-0080-0935	459	8	PRJNA278886	SAMN13687293	PDT000655919.1	SRR10842790	GCA_015593765.1	PDS000069850.1
0000-0080-5114	508	9	PRJNA278886	SAMN13687295	PDT000655916.1	SRR10842787	GCA_015593585.1	PDS000069850.1
0000-0080-5498	515	9	PRJNA278886	SAMN13687297	PDT000655915.1	SRR10842785	GCA_015593625.1	PDS000069850.1
0000-0080-6711	529	9	PRJNA278886	SAMN13687300	PDT000655912.1	SRR10842782	GCA_015594185.1	PDS000069850.1
0000-0080-5942	522	9	PRJNA278886	SAMN13687299	PDT000655913.1	SRR10842783	GCA_015594215.1	PDS000069850.1
0000-0080-7261	536	9	PRJNA278886	SAMN13687302	PDT000655910.1	SRR10842780	GCA_015594245.1	PDS000069850.1
0000-0080-5936	522	10	PRJNA278886	SAMN13687298	PDT000655914.1	SRR10842784	GCA_015593665.1	PDS000069850.1
0000-0080-6726	529	10	PRJNA278886	SAMN13687301	PDT000655911.1	SRR10842781	GCA_015594165.1	PDS000069850.1
0000-0079-5619	382	11	PRJNA278886	SAMN13687276	PDT000655936.1	SRR10842808	GCA_015593955.1	PDS000069851.1
0000-0079-4608	369	12	PRJNA278886	SAMN13687266	PDT000655938.1	SRR10842810	GCA_015593815.1	PDS000069851.1
0000-0079-5338	382	12	PRJNA278886	SAMN13687272	PDT000655904.1	SRR10842774	GCA_015594345.1	PDS000069851.1
0000-0079-3150	347	12	PRJNA278886	SAMN12610227	PDT000568578.1	SRR10004513	GCA_015602545.1	PDS000069851.1
0000-0079-3316	354	12	PRJNA278886	SAMN12414199	PDT000551352.1	SRR9860641	GCA_015602865.1	PDS000069851.1
0000-0079-4772	375	13	PRJNA278886	SAMN13687268	PDT000655917.1	SRR10842788	GCA_015593705.1	PDS000069851.1
0000-0079-5341	382	13	PRJNA278886	SAMN13687273	PDT000655903.1	SRR10842773	GCA_015594325.1	PDS000069851.1
0000-0079-5858	389	13	PRJNA278886	SAMN13687280	PDT000655875.1	SRR10842804	GCA_015594365.1	PDS000069851.1
0000-0079-4349	346	13	PRJNA278886	SAMN12414144	PDT000551340.1	SRR9860628	GCA_015602825.1	PDS000069851.1
0000-0079-3051	347	13	PRJNA278886	SAMN12414153	PDT000551280.1	SRR9860567	GCA_015602885.1	PDS000069851.1
0000-0079-4369	361	13	PRJNA278886	SAMN12414143	PDT000551279.1	SRR9860566	GCA_015603045.1	PDS000069851.1
0000-0079-5616	382	14	PRJNA278886	SAMN13687275	PDT000655937.1	SRR10842809	GCA_015593785.1	PDS000069851.1
0000-0079-5736	389	14	PRJNA278886	SAMN13687278	PDT000655934.1	SRR10842806	GCA_015593985.1	PDS000069851.1
0000-0079-7526	417	14	PRJNA278886	SAMN13687288	PDT000655924.1	SRR10842795	GCA_015594005.1	PDS000069851.1
0000-0079-6473	396	14	PRJNA278886	SAMN13687284	PDT000655929.1	SRR10842800	GCA_015594025.1	PDS000069851.1
0000-0079-6724	403	14	PRJNA278886	SAMN13687286	PDT000655926.1	SRR10842797	GCA_015594065.1	PDS000069851.1
0000-0079-7237	410	14	PRJNA278886	SAMN13687287	PDT000655925.1	SRR10842796	GCA_015594085.1	PDS000069851.1
0000-0079-8010	424	14	PRJNA278886	SAMN13687289	PDT000655923.1	SRR10842794	GCA_015594125.1	PDS000069851.1
0000-0079-4775	375	14	PRJNA278886	SAMN13687269	PDT000655907.1	SRR10842777	GCA_015594285.1	PDS000069851.1
0000-0079-4436	368	14	PRJNA278886	SAMN13687265	PDT000655876.1	SRR10842811	GCA_015594405.1	PDS000069851.1
0000-0079-3324	354	14	PRJNA278886	SAMN12414158	PDT000551301.1	SRR9860589	GCA_015602925.1	PDS000069851.1
0000-0079-4372	361	14	PRJNA278886	SAMN12414151	PDT000551375.1	SRR9860668	GCA_015602945.1	PDS000069851.1
0000-0079-2690	340	14	PRJNA278886	SAMN12414156	PDT000551281.1	SRR9860568	GCA_015602965.1	PDS000069851.1
0000-0078-7631	242	15	PRJNA278886	SAMN12414149	PDT000551271.1	SRR9860552	GCA_015603005.1	PDS000069882.1
0000-0078-5105	221	15	PRJNA278886	SAMN12190205	PDT000537232.1	SRR9620941	GCA_015604335.1	PDS000069882.1
0000-0078-5102	220	16	PRJNA278886	SAMN12190446	PDT000537240.1	SRR9620959	GCA_015604365.1	PDS000069882.1
0000-0078-5111	215	17	PRJNA278886	SAMN12189890	PDT000537205.1	SRR9620894	GCA_015604385.1	PDS000069883.1
0000-0078-5108	221	17	PRJNA278886	SAMN12190392	PDT000537239.1	SRR9620954	GCA_015604405.1	PDS000069883.1
0000-0079-4763	375	18	PRJNA278886	SAMN13687267	PDT000655928.1	SRR10842799	GCA_015593845.1	NA



Supplementary Table 3, continued								
CRIMSON ID	Day of study	Patient	BioProject	BioSample	Isolate	SRA Accession	Assembly	SNP cluster
0000-0079-9646	438	19	PRJNA278886	SAMN13687290	PDT000655922.1	SRR10842793	GCA_015593945.1	NA
0000-0080-2507	480	20	PRJNA278886	SAMN13687294	PDT000655918.1	SRR10842789	GCA_015593645.1	NA
0000-0080-5345	508	21	PRJNA278886	SAMN13687296	PDT000655874.1	SRR10842786	GCA_015594385.1	NA
0000-0080-8103	550	22	PRJNA278886	SAMN13687304	PDT000655908.1	SRR10842778	GCA_015594265.1	NA

**Table S3. MRSA genome assemblies from NICU patient isolates.** SNP clusters marked “NA” are strains that were not clustered by the NCBI Pathogen Detection Isolates program.

Table S4

Isolate	BioProject	BioSample	SRA Accession	Assembly	SNP Cluster
PDT000666348.2	SAMEA2081680	SAMEA2081680	ERR353165	GCA_902720405.1	PDS000069819.1
PDT000666349.2	SAMEA2077838	SAMEA2077838	ERR353223	GCA_902720795.1	PDS000069819.1
PDT000666350.2	SAMEA2080329	SAMEA2080329	ERR517350	GCA_902722345.1	PDS000069819.1
PDT000666351.2	SAMEA2080330	SAMEA2080330	ERR517353	GCA_902722395.1	PDS000069819.1
PDT000666352.2	SAMEA2076771	SAMEA2076771	ERR517367	GCA_902722465.1	PDS000069819.1
PDT000666353.2	SAMEA2080334	SAMEA2080334	ERR517365	GCA_902722515.1	PDS000069819.1
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PDT000083723.2	SAMEA2384515	SAMEA2384515	ERR554437	GCA 001288305.1	N/A
PDT000083726.2	SAMEA2384669	SAMEA2384669	ERR554591	GCA 001288365.1	N/A
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PDT000083728.2	SAMEA2384125	SAMEA2384125	ERR540329	GCA 001288405.1	N/A
PDT000083729.2	SAMEA2445513	SAMEA2445513	ERR573216	GCA 001288425.1	N/A
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PDT000083733.2	SAMEA2236471	SAMEA2236471	ERR422924	GCA 001288505.1	N/A
PDT000083734.2	SAMEA2384695	SAMEA2384695	ERR554617	GCA 001288525.1	N/A
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PDT000083736.2	SAMEA2384882	SAMEA2384882	ERR554804	GCA 001288565.1	N/A
PDT000083737.2	SAMEA2236406	SAMEA2236406	ERR422952	GCA 001288585.1	N/A
PDT000083738.2	SAMEA2384586	SAMEA2384586	ERR554508	GCA 001288605.1	N/A
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PDT000116107.2	SAMEA1317513	SAMEA1317513	ERR107968	GCA 900046865.1	N/A
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PDT000116126.2	SAMEA1317362	SAMEA1317362	ERR107873	GCA 900048495.1	N/A
PDT000116147.2	SAMEA1464439	SAMEA1464439	ERR129280	GCA 900040395.1	N/A
PDT000116148.2	SAMEA1464667	SAMEA1464667	ERR118525	GCA 900060475.1	N/A
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PDT000116161.2	SAMEA1317390	SAMEA1317390	ERR111121	GCA 900046375.1	N/A
PDT000116165.2	SAMEA1929648	SAMEA1929648	ERR387257	GCA 900070285.1	N/A
PDT000116169.2	SAMEA1464681	SAMEA1464681	ERR118560	GCA 900045645.1	N/A
PDT000116183.2	SAMEA1464683	SAMEA1464683	ERR134395	GCA 900049765.1	N/A
PDT000116213.2	SAMEA1464230	SAMEA1464230	ERR118356	GCA 900059555.1	N/A
PDT000116214.2	SAMEA1464610	SAMEA1464610	ERR118362	GCA 900018055.1	N/A
PDT000116235.2	SAMEA1469681	SAMEA1469681	ERR158627	GCA 900045045.1	N/A
PDT000116238.2	SAMEA1464442	SAMEA1464442	ERR118478	GCA 900040445.1	N/A
PDT000116248.2	SAMEA1469650	SAMEA1469650	ERR158767	GCA 900057805.1	N/A
PDT000116262.2	SAMEA1464699	SAMEA1464699	ERR118608	GCA 900018705.1	N/A
PDT000116263.2	SAMEA1464173	SAMEA1464173	ERR124508	GCA 900050655.1	N/A
PDT000116280.2	SAMEA1317538	SAMEA1317538	ERR107811	GCA 900035665.1	N/A
PDT000116286.2	SAMEA1469603	SAMEA1469603	ERR158623	GCA 900022625.1	N/A
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PDT000116294.2	SAMEA1464606	SAMEA1464606	ERR124479	GCA 900055645.1	N/A
PDT000116299.2	SAMEA1469593	SAMEA1469593	ERR158694	GCA 900039015.1	N/A
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PDT000116352.2	SAMEA1317321	SAMEA1317321	ERR111130	GCA 900042555.1	N/A
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PDT000116367.2	SAMEA1469628	SAMEA1469628	ERR158721	GCA 900042595.1	N/A
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PDT000116515.2	SAMEA1469673	SAMEA1469673	ERR158802	GCA 900017655.1	N/A
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PDT000116535.2	SAMEA1464311	SAMEA1464311	ERR124492	GCA 900056955.1	N/A
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PDT000116544.2	SAMEA1464621	SAMEA1464621	ERR118364	GCA 900018075.1	N/A
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PDT000116636.2	SAMEA1469690	SAMEA1469690	ERR158730	GCA 900044595.1	N/A
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PDT000116854.2	SAMEA1469715	SAMEA1469715	ERR158771	GCA 900048285.1	N/A
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PDT000116871.2	SAMEA1469568	SAMEA1469568	ERR158741	GCA 900042645.1	N/A
PDT000116888.2	SAMEA1317511	SAMEA1317511	ERR111079	GCA 900060495.1	N/A
PDT000116893.2	SAMEA1464392	SAMEA1464392	ERR124439	GCA 900035835.1	N/A
PDT000116895.2	SAMEA1464480	SAMEA1464480	ERR129259	GCA 900019145.1	N/A
PDT000116896.2	SAMEA1464190	SAMEA1464190	ERR124509	GCA 900050605.1	N/A
PDT000116907.2	SAMEA1464337	SAMEA1464337	ERR118550	GCA 900038205.1	N/A
PDT000116912.2	SAMEA1464485	SAMEA1464485	ERR124501	GCA 900050595.1	N/A
PDT000116915.2	SAMEA1317415	SAMEA1317415	ERR107853	GCA 900035805.1	N/A
PDT000116921.2	SAMEA1464493	SAMEA1464493	ERR118469	GCA 900041015.1	N/A
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PDT000117146.2	SAMEA1464599	SAMEA1464599	ERR118491	GCA 900041825.1	N/A
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PDT000117517.2	SAMEA1317402	SAMEA1317402	ERR107806	GCA 900038435.1	N/A
PDT000117531.2	SAMEA1464364	SAMEA1464364	ERR118477	GCA 900039935.1	N/A
PDT000117532.2	SAMEA1464498	SAMEA1464498	ERR118603	GCA 900044455.1	N/A
PDT000117533.2	SAMEA1317307	SAMEA1317307	ERR111055	GCA 900041055.1	N/A
PDT000117537.2	SAMEA1464209	SAMEA1464209	ERR118551	GCA 900038215.1	N/A
PDT000117539.2	SAMEA1464313	SAMEA1464313	ERR124517	GCA 900049445.1	N/A
PDT000117545.2	SAMEA1464174	SAMEA1464174	ERR118407	GCA 900017585.1	N/A
PDT000117578.2	SAMEA1464252	SAMEA1464252	ERR118537	GCA 900038825.1	N/A
PDT000117580.2	SAMEA1469550	SAMEA1469550	ERR158769	GCA 900048275.1	N/A
PDT000117587.2	SAMEA1464516	SAMEA1464516	ERR118562	GCA 900038235.1	N/A
PDT000117591.2	SAMEA1464349	SAMEA1464349	ERR124446	GCA 900042225.1	N/A
PDT000117594.2	SAMEA1469559	SAMEA1469559	ERR158791	GCA 900048085.1	N/A
PDT000117595.2	SAMEA1317409	SAMEA1317409	ERR111086	GCA 900046235.1	N/A
PDT000117600.2	SAMEA1464184	SAMEA1464184	ERR134337	GCA 900041895.1	N/A
PDT000117602.2	SAMEA1464188	SAMEA1464188	ERR134342	GCA 900038415.1	N/A
PDT000117603.2	SAMEA1469569	SAMEA1469569	ERR158690	GCA 900039005.1	N/A
PDT000117614.2	SAMEA1317349	SAMEA1317349	ERR111089	GCA 900046255.1	N/A
PDT000117617.2	SAMEA1469592	SAMEA1469592	ERR158659	GCA 900042085.1	N/A
PDT000117627.2	SAMEA1469621	SAMEA1469621	ERR158644	GCA 900040415.1	N/A
PDT000117640.2	SAMEA1464375	SAMEA1464375	ERR134363	GCA 900041235.1	N/A
PDT000117648.2	SAMEA1464641	SAMEA1464641	ERR124458	GCA 900056255.1	N/A
PDT000117654.2	SAMEA1317580	SAMEA1317580	ERR107942	GCA 900048645.1	N/A
PDT000117656.2	SAMEA1464527	SAMEA1464527	ERR124453	GCA 900051045.1	N/A
PDT000117666.2	SAMEA1469696	SAMEA1469696	ERR158675	GCA 900038995.1	N/A
PDT000117671.2	SAMEA1464561	SAMEA1464561	ERR118589	GCA 900038465.1	N/A
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PDT000117684.2	SAMEA1317408	SAMEA1317408	ERR111111	GCA 900062885.1	N/A
PDT000117700.2	SAMEA1317530	SAMEA1317530	ERR107930	GCA 900065325.1	N/A
PDT000117701.2	SAMEA1464193	SAMEA1464193	ERR124505	GCA 900049435.1	N/A
PDT000117712.2	SAMEA1464179	SAMEA1464179	ERR118530	GCA 900044405.1	N/A
PDT000117737.2	SAMEA1317572	SAMEA1317572	ERR111092	GCA 900040555.1	N/A
PDT000117751.2	SAMEA1317445	SAMEA1317445	ERR107854	GCA 900038745.1	N/A
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PDT000117977.2	SAMEA2298604	SAMEA2298604	ERR494746	GCA 900070265.1	N/A
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PDT000118041.2	SAMEA1317393	SAMEA1317393	ERR107869	GCA 900044465.1	N/A
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PDT000118251.2	SAMEA1464215	SAMEA1464215	ERR118453	GCA 900039195.1	N/A
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PDT000118318.2	SAMEA1469571	SAMEA1469571	ERR158638	GCA 900020225.1	N/A
PDT000118320.2	SAMEA1317339	SAMEA1317339	ERR107889	GCA 900041915.1	N/A
PDT000118325.2	SAMEA1464510	SAMEA1464510	ERR134392	GCA 900064525.1	N/A
PDT000118326.2	SAMEA1464451	SAMEA1464451	ERR134346	GCA 900042135.1	N/A
PDT000118332.2	SAMEA1464694	SAMEA1464694	ERR134378	GCA 900045265.1	N/A
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PDT000118355.2	SAMEA1464281	SAMEA1464281	ERR124461	GCA 900064235.1	N/A
PDT000118358.2	SAMEA1464492	SAMEA1464492	ERR134354	GCA 900046025.1	N/A

PDT000118369.2	SAMEA1317537	SAMEA1317537	ERR107923	GCA 900044985.1	N/A
PDT000118370.2	SAMEA1464227	SAMEA1464227	ERR118502	GCA 900042275.1	N/A
PDT000118382.2	SAMEA1464461	SAMEA1464461	ERR118585	GCA 900039705.1	N/A
PDT000118383.2	SAMEA1469718	SAMEA1469718	ERR158772	GCA 900048305.1	N/A
PDT000118384.2	SAMEA1464436	SAMEA1464436	ERR134359	GCA 900052125.1	N/A
PDT000118385.2	SAMEA1464409	SAMEA1464409	ERR124513	GCA 900050625.1	N/A
PDT000118408.2	SAMEA1464530	SAMEA1464530	ERR134333	GCA 900045115.1	N/A
PDT000118432.2	SAMEA1317468	SAMEA1317468	ERR107794	GCA 900038815.1	N/A
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PDT000118578.2	SAMEA1317443	SAMEA1317443	ERR107793	GCA 900044415.1	N/A
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PDT000118616.2	SAMEA1464315	SAMEA1464315	ERR118377	GCA 900042155.1	N/A
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PDT000118665.2	SAMEA1317503	SAMEA1317503	ERR107922	GCA 900040085.1	N/A
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PDT000119025.2	SAMEA1469691	SAMEA1469691	ERR158753	GCA 900042685.1	N/A
PDT000119033.2	SAMEA1464304	SAMEA1464304	ERR118380	GCA 900040985.1	N/A
PDT000119042.2	SAMEA1464216	SAMEA1464216	ERR134361	GCA 900046425.1	N/A
PDT000119043.2	SAMEA1317376	SAMEA1317376	ERR107941	GCA 900042505.1	N/A
PDT000119044.2	SAMEA1469562	SAMEA1469562	ERR158738	GCA 900041205.1	N/A
PDT000119053.2	SAMEA1469724	SAMEA1469724	ERR158748	GCA 900042665.1	N/A
PDT000119085.2	SAMEA1469700	SAMEA1469700	ERR158673	GCA 900039745.1	N/A
PDT000119094.2	SAMEA1464365	SAMEA1464365	ERR118476	GCA 900040795.1	N/A
PDT000119102.2	SAMEA1464222	SAMEA1464222	ERR118504	GCA 900042285.1	N/A
PDT000119106.2	SAMEA1317488	SAMEA1317488	ERR107921	GCA 900047275.1	N/A
PDT000119111.2	SAMEA1464298	SAMEA1464298	ERR124526	GCA 900049815.1	N/A
PDT000119115.2	SAMEA1469645	SAMEA1469645	ERR158622	GCA 900045025.1	N/A
PDT000119117.2	SAMEA1929515	SAMEA1929515	ERR387097	GCA 900070225.1	N/A
PDT000119122.2	SAMEA1469678	SAMEA1469678	ERR158796	GCA 900017635.1	N/A
PDT000119126.2	SAMEA1469581	SAMEA1469581	ERR158691	GCA 900018225.1	N/A
PDT000119127.2	SAMEA1317583	SAMEA1317583	ERR107801	GCA 900044435.1	N/A
PDT000119129.2	SAMEA1464631	SAMEA1464631	ERR118532	GCA 900043885.1	N/A
PDT000119145.2	SAMEA1469547	SAMEA1469547	ERR158782	GCA 900040055.1	N/A
PDT000119149.2	SAMEA1469651	SAMEA1469651	ERR158624	GCA 900045035.1	N/A
PDT000119157.2	SAMEA1469646	SAMEA1469646	ERR158678	GCA 900020415.1	N/A
PDT000119165.2	SAMEA1464466	SAMEA1464466	ERR118568	GCA 900038245.1	N/A
PDT000119172.2	SAMEA1469643	SAMEA1469643	ERR158761	GCA 900064565.1	N/A
PDT000119190.2	SAMEA1464403	SAMEA1464403	ERR118412	GCA 900019205.1	N/A
PDT000119196.2	SAMEA1464509	SAMEA1464509	ERR118342	GCA 900017985.1	N/A
PDT000119197.2	SAMEA1317578	SAMEA1317578	ERR111097	GCA 900057325.1	N/A
PDT000119200.2	SAMEA1464717	SAMEA1464717	ERR124528	GCA 900056285.1	N/A
PDT000119202.2	SAMEA1469703	SAMEA1469703	ERR158665	GCA 900048755.1	N/A
PDT000119212.2	SAMEA1469549	SAMEA1469549	ERR158768	GCA 900048265.1	N/A
PDT000119240.2	SAMEA1469665	SAMEA1469665	ERR158804	GCA 900045205.1	N/A
PDT000119246.2	SAMEA1317403	SAMEA1317403	ERR111043	GCA 900040485.1	N/A
PDT000119250.2	SAMEA1464640	SAMEA1464640	ERR118367	GCA 900038955.1	N/A
PDT000119252.2	SAMEA1464276	SAMEA1464276	ERR124494	GCA 900055285.1	N/A
PDT000119253.2	SAMEA1464310	SAMEA1464310	ERR118574	GCA 900038285.1	N/A
PDT000119254.2	SAMEA1464334	SAMEA1464334	ERR134404	GCA 900050575.1	N/A
PDT000119275.2	SAMEA1317478	SAMEA1317478	ERR107789	GCA 900018765.1	N/A
PDT000119277.2	SAMEA1469594	SAMEA1469594	ERR223137	GCA 900018145.1	N/A
PDT000119296.2	SAMEA1469599	SAMEA1469599	ERR158660	GCA 900018135.1	N/A
PDT000119308.2	SAMEA1464323	SAMEA1464323	ERR118548	GCA 900038195.1	N/A
PDT000119310.2	SAMEA1464457	SAMEA1464457	ERR118347	GCA 900017575.1	N/A
PDT000119312.2	SAMEA1464182	SAMEA1464182	ERR118406	GCA 900040295.1	N/A
PDT000119313.2	SAMEA1317559	SAMEA1317559	ERR107928	GCA 900037745.1	N/A
PDT000119322.2	SAMEA1464285	SAMEA1464285	ERR129304	GCA 900048555.1	N/A
PDT000119325.2	SAMEA1317406	SAMEA1317406	ERR107949	GCA 900048675.1	N/A
PDT000119331.2	SAMEA1469654	SAMEA1469654	ERR158702	GCA 900039765.1	N/A
PDT000119341.2	SAMEA1317441	SAMEA1317441	ERR107836	GCA 900035755.1	N/A
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PDT000119355.2	SAMEA1929647	SAMEA1929647	ERR387166	GCA 900070235.1	N/A
PDT000119358.2	SAMEA1464563	SAMEA1464563	ERR118592	GCA 900038475.1	N/A
PDT000119362.2	SAMEA1464233	SAMEA1464233	ERR118340	GCA 900020465.1	N/A
PDT000119375.2	SAMEA1469669	SAMEA1469669	ERR158648	GCA 900038585.1	N/A
PDT000119382.2	SAMEA1464236	SAMEA1464236	ERR134335	GCA 900040725.1	N/A
PDT000119393.2	SAMEA1464503	SAMEA1464503	ERR124503	GCA 900051345.1	N/A
PDT000119394.2	SAMEA1317520	SAMEA1317520	ERR107905	GCA 900038785.1	N/A
PDT000119396.2	SAMEA1464638	SAMEA1464638	ERR124496	GCA 900057345.1	N/A
PDT000119407.2	SAMEA1317504	SAMEA1317504	ERR107847	GCA 900038735.1	N/A
PDT000119431.2	SAMEA1464324	SAMEA1464324	ERR134351	GCA 900022645.1	N/A
PDT000119435.2	SAMEA1464176	SAMEA1464176	ERR118343	GCA 900042025.1	N/A
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PDT000119455.2	SAMEA1464585	SAMEA1464585	ERR134332	GCA 900044885.1	N/A
PDT000119458.2	SAMEA1464240	SAMEA1464240	ERR223128	GCA 900018775.1	N/A
PDT000119461.2	SAMEA1464608	SAMEA1464608	ERR124480	GCA 900063955.1	N/A
PDT000119481.2	SAMEA1464593	SAMEA1464593	ERR124475	GCA 900043575.1	N/A
PDT000119495.2	SAMEA1317522	SAMEA1317522	ERR111095	GCA 900046275.1	N/A
PDT000119503.2	SAMEA1464306	SAMEA1464306	ERR124464	GCA 900051795.1	N/A
PDT000119505.2	SAMEA1469595	SAMEA1469595	ERR158805	GCA 900017665.1	N/A
PDT000119519.2	SAMEA1464622	SAMEA1464622	ERR118588	GCA 900047155.1	N/A
PDT000119524.2	SAMEA1469647	SAMEA1469647	ERR158617	GCA 900046885.1	N/A
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PDT000119533.2	SAMEA1464322	SAMEA1464322	ERR118482	GCA 900041795.1	N/A
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PDT000119560.2	SAMEA1464609	SAMEA1464609	ERR124497	GCA 900058365.1	N/A
PDT000119565.2	SAMEA1464459	SAMEA1464459	ERR118607	GCA 900045745.1	N/A
PDT000119574.2	SAMEA1464232	SAMEA1464232	ERR134370	GCA 900054715.1	N/A
PDT000119585.2	SAMEA1464656	SAMEA1464656	ERR118536	GCA 900045555.1	N/A
PDT000119590.2	SAMEA1469698	SAMEA1469698	ERR158756	GCA 900042705.1	N/A
PDT000132660.2	SAMEA2384708	SAMEA2384708	ERR554630	GCA 900082375.1	N/A
PDT000132661.2	SAMEA2384037	SAMEA2384037	ERR540241	GCA 900081035.1	N/A
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PDT000132666.2	SAMEA2384878	SAMEA2384878	ERR554800	GCA 900082995.1	N/A
PDT000132669.2	SAMEA2383969	SAMEA2383969	ERR540173	GCA 900080865.1	N/A
PDT000132671.2	SAMEA2384079	SAMEA2384079	ERR540283	GCA 900081015.1	N/A
PDT000132672.2	SAMEA2384530	SAMEA2384530	ERR554452	GCA 900081985.1	N/A
PDT000132673.2	SAMEA2384595	SAMEA2384595	ERR554517	GCA 900082225.1	N/A
PDT000132674.2	SAMEA2236491	SAMEA2236491	ERR422944	GCA 900080805.1	N/A
PDT000132675.2	SAMEA2384881	SAMEA2384881	ERR554803	GCA 900083005.1	N/A
PDT000132676.2	SAMEA2236409	SAMEA2236409	ERR422955	GCA 900080545.1	N/A
PDT000132677.2	SAMEA2236423	SAMEA2236423	ERR422876	GCA 900080505.1	N/A
PDT000132678.2	SAMEA2384424	SAMEA2384424	ERR554347	GCA 900081745.1	N/A
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PDT000132682.2	SAMEA2384858	SAMEA2384858	ERR554780	GCA 900082835.1	N/A
PDT000132683.2	SAMEA2384071	SAMEA2384071	ERR540275	GCA 900081005.1	N/A
PDT000132684.2	SAMEA2384850	SAMEA2384850	ERR554772	GCA 900082765.1	N/A
PDT000132686.2	SAMEA2445529	SAMEA2445529	ERR573232	GCA 900083135.1	N/A
PDT000132687.2	SAMEA2236419	SAMEA2236419	ERR422965	GCA 900080445.1	N/A
PDT000132688.2	SAMEA2384579	SAMEA2384579	ERR554501	GCA 900082175.1	N/A
PDT000132689.2	SAMEA2384570	SAMEA2384570	ERR554492	GCA 900082145.1	N/A
PDT000132690.2	SAMEA2384869	SAMEA2384869	ERR554791	GCA 900082915.1	N/A
PDT000132691.2	SAMEA2236439	SAMEA2236439	ERR422892	GCA 900080405.1	N/A
PDT000132692.2	SAMEA2236473	SAMEA2236473	ERR422926	GCA 900080465.1	N/A
PDT000132695.2	SAMEA2236442	SAMEA2236442	ERR422895	GCA 900080255.1	N/A
PDT000132696.2	SAMEA2236417	SAMEA2236417	ERR422963	GCA 900080285.1	N/A
PDT000132699.2	SAMEA2384353	SAMEA2384353	ERR554277	GCA 900081575.1	N/A
PDT000132700.2	SAMEA2383889	SAMEA2383889	ERR554098	GCA 900081215.1	N/A
PDT000132701.2	SAMEA2384047	SAMEA2384047	ERR540251	GCA 900080965.1	N/A

PDT000132702.2	SAMEA2384812	SAMEA2384812	ERR554734	GCA 900082505.1	N/A
PDT000132703.2	SAMEA2384265	SAMEA2384265	ERR554189	GCA 900081375.1	N/A
PDT000132704.2	SAMEA2384321	SAMEA2384321	ERR554245	GCA 900081595.1	N/A
PDT000132706.2	SAMEA2384798	SAMEA2384798	ERR554720	GCA 900082775.1	N/A
PDT000132707.2	SAMEA2384272	SAMEA2384272	ERR554196	GCA 900081385.1	N/A
PDT000132709.2	SAMEA2384480	SAMEA2384480	ERR554402	GCA 900081885.1	N/A
PDT000132710.2	SAMEA2236468	SAMEA2236468	ERR422921	GCA 900080295.1	N/A
PDT000132711.2	SAMEA2384456	SAMEA2384456	ERR554378	GCA 900081835.1	N/A
PDT000132712.2	SAMEA2236476	SAMEA2236476	ERR422929	GCA 900080715.1	N/A
PDT000132714.2	SAMEA2384117	SAMEA2384117	ERR540321	GCA 900081165.1	N/A
PDT000132715.2	SAMEA2236446	SAMEA2236446	ERR422992	GCA 900080265.1	N/A
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PDT000132721.2	SAMEA2384531	SAMEA2384531	ERR554453	GCA 900081995.1	N/A
PDT000132723.2	SAMEA2384826	SAMEA2384826	ERR554748	GCA 900082595.1	N/A
PDT000132724.2	SAMEA2384873	SAMEA2384873	ERR554795	GCA 900082975.1	N/A
PDT000132726.2	SAMEA2384438	SAMEA2384438	ERR554361	GCA 900081775.1	N/A
PDT000132727.2	SAMEA2384273	SAMEA2384273	ERR554197	GCA 900081395.1	N/A
PDT000132728.2	SAMEA2445591	SAMEA2445591	ERR573294	GCA 900083225.1	N/A
PDT000132729.2	SAMEA2445509	SAMEA2445509	ERR573212	GCA 900083115.1	N/A
PDT000132730.2	SAMEA2384810	SAMEA2384810	ERR554732	GCA 900082485.1	N/A
PDT000132731.2	SAMEA2236455	SAMEA2236455	ERR422908	GCA 900080705.1	N/A
PDT000132732.2	SAMEA2236408	SAMEA2236408	ERR422861	GCA 900080605.1	N/A
PDT000132733.2	SAMEA2384518	SAMEA2384518	ERR554440	GCA 900081935.1	N/A
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PDT000132737.2	SAMEA2384554	SAMEA2384554	ERR554476	GCA 900082075.1	N/A
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PDT000132742.2	SAMEA2236485	SAMEA2236485	ERR422938	GCA 900080775.1	N/A
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PDT000132745.2	SAMEA2383943	SAMEA2383943	ERR540147	GCA 900080905.1	N/A
PDT000132746.2	SAMEA2236470	SAMEA2236470	ERR423016	GCA 900080425.1	N/A
PDT000132748.2	SAMEA2384802	SAMEA2384802	ERR554724	GCA 900082445.1	N/A
PDT000132750.2	SAMEA2236472	SAMEA2236472	ERR422925	GCA 900080455.1	N/A
PDT000132751.2	SAMEA2384511	SAMEA2384511	ERR554433	GCA 900082055.1	N/A
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PDT000132754.2	SAMEA2384503	SAMEA2384503	ERR554425	GCA 900081925.1	N/A
PDT000132755.2	SAMEA2445583	SAMEA2445583	ERR573286	GCA 900083265.1	N/A
PDT000132757.2	SAMEA2384414	SAMEA2384414	ERR554337	GCA 900081755.1	N/A
PDT000132758.2	SAMEA2445592	SAMEA2445592	ERR573295	GCA 900083235.1	N/A
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PDT000132761.2	SAMEA2384679	SAMEA2384679	ERR554601	GCA 900082355.1	N/A
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PDT000132766.2	SAMEA2384823	SAMEA2384823	ERR554745	GCA 900082575.1	N/A
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PDT000132782.2	SAMEA2384022	SAMEA2384022	ERR540226	GCA 900080925.1	N/A
PDT000132783.2	SAMEA2384830	SAMEA2384830	ERR554752	GCA 900082625.1	N/A
PDT000132784.2	SAMEA2384539	SAMEA2384539	ERR554461	GCA 900082035.1	N/A
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PDT000132791.2	SAMEA2236452	SAMEA2236452	ERR422998	GCA 900080305.1	N/A



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PDT000132800.2	SAMEA2384526	SAMEA2384526	ERR554448	GCA 900081955.1	N/A
PDT000132803.2	SAMEA2384659	SAMEA2384659	ERR554581	GCA 900082335.1	N/A
PDT000132806.2	SAMEA2384100	SAMEA2384100	ERR540304	GCA 900081085.1	N/A
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PDT000132809.2	SAMEA2383961	SAMEA2383961	ERR540165	GCA 900080855.1	N/A
PDT000132810.2	SAMEA2384700	SAMEA2384700	ERR554622	GCA 900082395.1	N/A
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PDT000132816.2	SAMEA2384345	SAMEA2384345	ERR554269	GCA 900081545.1	N/A
PDT000132818.2	SAMEA2384877	SAMEA2384877	ERR554799	GCA 900082985.1	N/A
PDT000132819.2	SAMEA2384804	SAMEA2384804	ERR554726	GCA 900082455.1	N/A
PDT000132822.2	SAMEA2384835	SAMEA2384835	ERR554757	GCA 900082675.1	N/A
PDT000132823.2	SAMEA2384439	SAMEA2384439	ERR554362	GCA 900081785.1	N/A
PDT000132824.2	SAMEA2384796	SAMEA2384796	ERR554718	GCA 900082665.1	N/A
PDT000132825.2	SAMEA2445580	SAMEA2445580	ERR573283	GCA 900083215.1	N/A
PDT000132826.2	SAMEA2384797	SAMEA2384797	ERR554719	GCA 900082725.1	N/A
PDT000132827.2	SAMEA2384834	SAMEA2384834	ERR554756	GCA 900082635.1	N/A
PDT000132828.2	SAMEA2445501	SAMEA2445501	ERR573204	GCA 900083095.1	N/A
PDT000132831.2	SAMEA2236410	SAMEA2236410	ERR422863	GCA 900080685.1	N/A
PDT000132832.2	SAMEA2384872	SAMEA2384872	ERR554794	GCA 900082945.1	N/A
PDT000132833.2	SAMEA2236418	SAMEA2236418	ERR422871	GCA 900080325.1	N/A
PDT000132834.2	SAMEA2384587	SAMEA2384587	ERR554509	GCA 900082195.1	N/A
PDT000132835.2	SAMEA2384559	SAMEA2384559	ERR554481	GCA 900082105.1	N/A
PDT000132836.2	SAMEA2236416	SAMEA2236416	ERR422869	GCA 900080655.1	N/A
PDT000132837.2	SAMEA2236430	SAMEA2236430	ERR422883	GCA 900080395.1	N/A
PDT000132839.2	SAMEA2384651	SAMEA2384651	ERR554573	GCA 900082325.1	N/A
PDT000132840.2	SAMEA2445533	SAMEA2445533	ERR573236	GCA 900083145.1	N/A
PDT000132841.2	SAMEA2384108	SAMEA2384108	ERR540312	GCA 900081125.1	N/A
PDT000132842.2	SAMEA2384479	SAMEA2384479	ERR554401	GCA 900081875.1	N/A
PDT000132843.2	SAMEA2236478	SAMEA2236478	ERR423024	GCA 900080725.1	N/A
PDT000132844.2	SAMEA2384522	SAMEA2384522	ERR554444	GCA 900081945.1	N/A
PDT000132845.2	SAMEA2384510	SAMEA2384510	ERR554432	GCA 900082025.1	N/A
PDT000132846.2	SAMEA2236459	SAMEA2236459	ERR422912	GCA 900080355.1	N/A
PDT000132847.2	SAMEA2384827	SAMEA2384827	ERR554749	GCA 900082585.1	N/A
PDT000132848.2	SAMEA2384863	SAMEA2384863	ERR554785	GCA 900082875.1	N/A
PDT000132849.2	SAMEA2236436	SAMEA2236436	ERR422889	GCA 900080535.1	N/A
PDT000132850.2	SAMEA2384361	SAMEA2384361	ERR554284	GCA 900081615.1	N/A
PDT000132852.2	SAMEA2236489	SAMEA2236489	ERR423035	GCA 900080785.1	N/A
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PDT000132856.2	SAMEA2383985	SAMEA2383985	ERR540189	GCA 900080885.1	N/A
PDT000132860.2	SAMEA2236443	SAMEA2236443	ERR422896	GCA 900080485.1	N/A
PDT000132861.2	SAMEA2384281	SAMEA2384281	ERR554205	GCA 900081405.1	N/A
PDT000132862.2	SAMEA2384408	SAMEA2384408	ERR554331	GCA 900081735.1	N/A
PDT000132864.2	SAMEA2236448	SAMEA2236448	ERR422994	GCA 900080675.1	N/A
PDT000132865.2	SAMEA2384597	SAMEA2384597	ERR554519	GCA 900082235.1	N/A
PDT000132866.2	SAMEA2384612	SAMEA2384612	ERR554534	GCA 900082265.1	N/A
PDT000132867.2	SAMEA2445497	SAMEA2445497	ERR573200	GCA 900083085.1	N/A
PDT000132868.2	SAMEA2384297	SAMEA2384297	ERR554221	GCA 900081425.1	N/A
PDT000132869.2	SAMEA2384448	SAMEA2384448	ERR554371	GCA 900081805.1	N/A
PDT000132870.2	SAMEA2384602	SAMEA2384602	ERR554524	GCA 900082255.1	N/A
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PDT000132946.2	SAMEA2384837	SAMEA2384837	ERR554759	GCA 900082695.1	N/A
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PDT000164603.2	SAMEA1708709	SAMEA1708709	ERR246598	GCA 900098505.1	N/A
PDT000164608.2	SAMEA1708724	SAMEA1708724	ERR246595	GCA 900098345.1	N/A
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PDT000164611.2	SAMEA1708807	SAMEA1708807	ERR246637	GCA 900098535.1	N/A
PDT000164612.2	SAMEA1708679	SAMEA1708679	ERR246619	GCA 900098085.1	N/A
PDT000164613.2	SAMEA1708909	SAMEA1708909	ERR246663	GCA 900098435.1	N/A
PDT000164617.2	SAMEA1708720	SAMEA1708720	ERR246596	GCA 900098015.1	N/A
PDT000164621.2	SAMEA1709029	SAMEA1709029	ERR246601	GCA 900098255.1	N/A
PDT000164623.2	SAMEA1929510	SAMEA1929510	ERR387094	GCA 900098635.1	N/A
PDT000164626.2	SAMEA1708803	SAMEA1708803	ERR246609	GCA 900098235.1	N/A
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PDT000164652.2	SAMEA1708926	SAMEA1708926	ERR246666	GCA 900097985.1	N/A
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PDT000164665.2	SAMEA1708824	SAMEA1708824	ERR246610	GCA 900098075.1	N/A
PDT000164669.2	SAMEA1709026	SAMEA1709026	ERR246622	GCA 900098605.1	N/A
PDT000164670.2	SAMEA1708766	SAMEA1708766	ERR246617	GCA 900098525.1	N/A
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PDT000164853.2	SAMEA1708869	SAMEA1708869	ERR246605	GCA 900098065.1	N/A
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PDT000164856.2	SAMEA1709023	SAMEA1709023	ERR246623	GCA 900098295.1	N/A
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PDT000164873.2	SAMEA1708940	SAMEA1708940	ERR246668	GCA 900098495.1	N/A
PDT000164879.2	SAMEA1708955	SAMEA1708955	ERR246658	GCA 900098585.1	N/A
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PDT000164881.2	SAMEA3109330	SAMEA3109330	ERR829980	GCA 900097405.1	N/A
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PDT000164888.2	SAMEA1708738	SAMEA1708738	ERR246641	GCA 900098415.1	N/A
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PDT000164890.2	SAMEA1708992	SAMEA1708992	ERR246628	GCA 900098105.1	N/A
PDT000164894.2	SAMEA2298730	SAMEA2298730	ERR505368	GCA 900097745.1	N/A
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PDT000165433.2	SAMN04477633	SAMN04477633	SRR3150822	GCA 001811775.1	N/A
PDT000165512.2	SAMN04480071	SAMN04480071	SRR3151998	GCA 001813355.1	N/A
PDT000165601.2	SAMN04480425	SAMN04480425	SRR3152117	GCA 001815105.1	N/A
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PDT000166653.2	SAMEA2445663	SAMEA2445663	ERR573366	GCA 900083465.1	N/A
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PDT000170607.2	SAMEA3448957	SAMEA3448957	ERR1070044	GCA 900126395.1	N/A
PDT000170609.2	SAMEA3449044	SAMEA3449044	ERR1069897	GCA 900125235.1	N/A
PDT000170610.2	SAMEA3449039	SAMEA3449039	ERR1069892	GCA 900125185.1	N/A
PDT000170612.2	SAMEA3448922	SAMEA3448922	ERR1070009	GCA 900126075.1	N/A
PDT000170614.2	SAMEA3448996	SAMEA3448996	ERR1069849	GCA 900124795.1	N/A
PDT000170623.2	SAMEA3449046	SAMEA3449046	ERR1069899	GCA 900125255.1	N/A
PDT000170624.2	SAMEA3449013	SAMEA3449013	ERR1069866	GCA 900124935.1	N/A
PDT000170628.2	SAMEA3448883	SAMEA3448883	ERR1069970	GCA 900125835.1	N/A
PDT000170631.2	SAMEA3448936	SAMEA3448936	ERR1070023	GCA 900126195.1	N/A
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PDT000170636.2	SAMEA3448841	SAMEA3448841	ERR1069918	GCA 900125425.1	N/A
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PDT000170642.2	SAMEA3448962	SAMEA3448962	ERR1070049	GCA 900126425.1	N/A
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PDT000170661.2	SAMEA3449055	SAMEA3449055	ERR1069908	GCA 900125335.1	N/A
PDT000170663.2	SAMEA3449049	SAMEA3449049	ERR1069902	GCA 900125285.1	N/A
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PDT000170666.2	SAMEA3448976	SAMEA3448976	ERR1069829	GCA 900125175.1	N/A
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PDT000170681.2	SAMEA3449103	SAMEA3449103	ERR1070103	GCA 900126755.1	N/A
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PDT000170935.2	SAMEA3448889	SAMEA3448889	ERR1069976	GCA 900126335.1	N/A
PDT000170939.2	SAMEA3449060	SAMEA3449060	ERR1070060	GCA 900126715.1	N/A
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PDT000335407.2	SAMN08717720	SAMN08717720	SRR7983651	GCA 003239295.1	N/A

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PDT000335412.2	SAMN08717712	SAMN08717712	SRR7983655	GCA 003239365.1	N/A
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PDT000335416.2	SAMN08717696	SAMN08717696	SRR7983661	GCA 003239465.1	N/A
PDT000335417.2	SAMN08717685	SAMN08717685	SRR7983685	GCA 003239505.1	N/A
PDT000335418.2	SAMN08717688	SAMN08717688	SRR7983680	GCA 003239495.1	N/A
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PDT000335434.2	SAMN08717605	SAMN08717605	SRR7983570	GCA 003239845.1	N/A
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PDT000343140.2	SAMEA1469913	SAMEA1469913	ERR159057	GCA 900483335.1	N/A
PDT000343142.2	SAMEA1469917	SAMEA1469917	ERR159016	GCA 900483085.1	N/A
PDT000343145.2	SAMEA1469920	SAMEA1469920	ERR159038	GCA 900483125.1	N/A
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PDT000371357.2	SAMD00083592	SAMD00083592	DRR107232	GCA 003421505.1	N/A
PDT000371359.2	SAMD00083594	SAMD00083594	DRR107234	GCA 003421545.1	N/A
PDT000371360.2	SAMD00083595	SAMD00083595	DRR107235	GCA 003421565.1	N/A
PDT000371361.2	SAMD00083596	SAMD00083596	DRR107236	GCA 003421585.1	N/A
PDT000371362.2	SAMD00083597	SAMD00083597	DRR107237	GCA 003421605.1	N/A
PDT000371365.2	SAMD00083600	SAMD00083600	DRR107240	GCA 003421665.1	N/A
PDT000371366.2	SAMD00083601	SAMD00083601	DRR107241	GCA 003421685.1	N/A
PDT000371367.2	SAMD00083602	SAMD00083602	DRR107242	GCA 003421705.1	N/A
PDT000371368.2	SAMD00083603	SAMD00083603	DRR107243	GCA 003421725.1	N/A
PDT000371369.2	SAMD00083604	SAMD00083604	DRR107244	GCA 003421745.1	N/A
PDT000371370.2	SAMD00083605	SAMD00083605	DRR107245	GCA 003421765.1	N/A
PDT000371371.2	SAMD00083606	SAMD00083606	DRR107246	GCA 003421785.1	N/A

PDT000371373.2	SAMD00083608	SAMD00083608	DRR107248	GCA 003421825.1	N/A
PDT000371374.2	SAMD00083609	SAMD00083609	DRR107249	GCA 003421845.1	N/A
PDT000371375.2	SAMD00083610	SAMD00083610	DRR107250	GCA 003421865.1	N/A
PDT000371376.2	SAMD00083611	SAMD00083611	DRR107251	GCA 003421885.1	N/A
PDT000371377.2	SAMD00083612	SAMD00083612	DRR107252	GCA 003421905.1	N/A
PDT000371378.2	SAMD00083613	SAMD00083613	DRR107253	GCA 003421925.1	N/A
PDT000371379.2	SAMD00083614	SAMD00083614	DRR107254	GCA 003421945.1	N/A
PDT000371380.2	SAMD00083615	SAMD00083615	DRR107255	GCA 003421965.1	N/A
PDT000371385.2	SAMD00083620	SAMD00083620	DRR107260	GCA 003422065.1	N/A
PDT000371386.2	SAMD00083621	SAMD00083621	DRR107261	GCA 003422085.1	N/A
PDT000371387.2	SAMD00083622	SAMD00083622	DRR107262	GCA 003422105.1	N/A
PDT000371388.2	SAMD00083623	SAMD00083623	DRR107263	GCA 003422125.1	N/A
PDT000371389.2	SAMD00083624	SAMD00083624	DRR107264	GCA 003422145.1	N/A
PDT000371390.2	SAMD00083625	SAMD00083625	DRR107265	GCA 003422165.1	N/A
PDT000371391.2	SAMD00083626	SAMD00083626	DRR107266	GCA 003422185.1	N/A
PDT000371392.2	SAMD00083627	SAMD00083627	DRR107267	GCA 003422205.1	N/A
PDT000371393.2	SAMD00083628	SAMD00083628	DRR107268	GCA 003422225.1	N/A
PDT000371394.2	SAMD00083629	SAMD00083629	DRR107269	GCA 003422245.1	N/A
PDT000371395.2	SAMD00083630	SAMD00083630	DRR107270	GCA 003422265.1	N/A
PDT000371397.2	SAMD00083632	SAMD00083632	DRR107272	GCA 003422305.1	N/A
PDT000371398.2	SAMD00083633	SAMD00083633	DRR107273	GCA 003422325.1	N/A
PDT000371399.2	SAMD00083634	SAMD00083634	DRR107274	GCA 003422345.1	N/A
PDT000371400.2	SAMD00083635	SAMD00083635	DRR107275	GCA 003422365.1	N/A
PDT000371401.2	SAMD00083636	SAMD00083636	DRR107276	GCA 003422385.1	N/A
PDT000371403.2	SAMD00083638	SAMD00083638	DRR107278	GCA 003422425.1	N/A
PDT000371405.2	SAMD00083640	SAMD00083640	DRR107280	GCA 003422465.1	N/A
PDT000371406.2	SAMD00083641	SAMD00083641	DRR107281	GCA 003422485.1	N/A
PDT000371407.2	SAMD00083642	SAMD00083642	DRR107282	GCA 003422505.1	N/A
PDT000371414.2	SAMD00083649	SAMD00083649	DRR107289	GCA 003422645.1	N/A
PDT000371419.2	SAMD00083654	SAMD00083654	DRR107294	GCA 003422745.1	N/A
PDT000371420.2	SAMD00083655	SAMD00083655	DRR107295	GCA 003422765.1	N/A
PDT000371422.2	SAMD00083657	SAMD00083657	DRR107297	GCA 003422805.1	N/A
PDT000371423.2	SAMD00083658	SAMD00083658	DRR107298	GCA 003422825.1	N/A
PDT000371424.2	SAMD00083659	SAMD00083659	DRR107299	GCA 003422845.1	N/A
PDT000371425.2	SAMD00083660	SAMD00083660	DRR107300	GCA 003422865.1	N/A
PDT000371426.2	SAMD00083661	SAMD00083661	DRR107301	GCA 003422885.1	N/A
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PDT000371434.2	SAMD00083669	SAMD00083669	DRR107309	GCA 003423045.1	N/A
PDT000371435.2	SAMD00083670	SAMD00083670	DRR107310	GCA 003423125.1	N/A
PDT000371437.2	SAMD00083672	SAMD00083672	DRR107312	GCA 003423485.1	N/A
PDT000371438.2	SAMD00083673	SAMD00083673	DRR107313	GCA 003423505.1	N/A
PDT000371439.2	SAMD00083674	SAMD00083674	DRR107314	GCA 003423525.1	N/A
PDT000371441.2	SAMD00083676	SAMD00083676	DRR107316	GCA 003423565.1	N/A
PDT000371444.2	SAMD00083679	SAMD00083679	DRR107319	GCA 003423625.1	N/A
PDT000371445.2	SAMD00083680	SAMD00083680	DRR107320	GCA 003423645.1	N/A
PDT000371588.2	SAMD00083455	SAMD00083455	DRR107095	GCA 003427075.1	N/A
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PDT000371597.2	SAMEA1531744	SAMEA1531744	ERR177156	GCA 900483685.1	N/A
PDT000383501.2	SAMD00134209	SAMD00134209	DRR160049	GCA 003573835.1	N/A
PDT000383502.2	SAMD00134450	SAMD00134450	DRR205325	GCA 003573855.1	N/A
PDT000383750.2	SAMN09989505	SAMN09989505	SRR7825593	GCA 003581545.1	N/A
PDT000383840.2	SAMN09989510	SAMN09989510	SRR7825590	GCA 003583785.1	N/A
PDT000383841.2	SAMN09989509	SAMN09989509	SRR7825589	GCA 003583795.1	N/A
PDT000389186.2	SAMD00064326	SAMD00064326	DRR074680	GCA 003609855.1	N/A
PDT000408041.2	SAMN09847833	SAMN09847833	SRR7706380	GCA 003719855.1	N/A
PDT000408042.2	SAMN09847848	SAMN09847848	SRR7706385	GCA 003719845.1	N/A
PDT000408043.2	SAMN09847843	SAMN09847843	SRR7706367	GCA 003719905.1	N/A
PDT000408044.2	SAMN09847821	SAMN09847821	SRR7706375	GCA 003719895.1	N/A
PDT000408046.2	SAMN09847847	SAMN09847847	SRR7706408	GCA 003719945.1	N/A
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PDT000408050.2	SAMN09847835	SAMN09847835	SRR7706387	GCA 003720025.1	N/A
PDT000408051.2	SAMN09847856	SAMN09847856	SRR7706386	GCA 003720055.1	N/A
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PDT000408055.2	SAMN09847837	SAMN09847837	SRR7706381	GCA 003720135.1	N/A



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PDT000408062.2	SAMN09847804	SAMN09847804	SRR7706394	GCA 003720255.1	N/A
PDT000408063.2	SAMN09847861	SAMN09847861	SRR7706382	GCA 003720295.1	N/A
PDT000408064.2	SAMN09847834	SAMN09847834	SRR7706356	GCA 003720305.1	N/A
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PDT000408066.2	SAMN09847832	SAMN09847832	SRR7706365	GCA 003720355.1	N/A
PDT000408067.2	SAMN09847840	SAMN09847840	SRR7706360	GCA 003720375.1	N/A
PDT000408068.2	SAMN09847842	SAMN09847842	SRR7706359	GCA 003720385.1	N/A
PDT000408069.2	SAMN09847844	SAMN09847844	SRR7706362	GCA 003720415.1	N/A
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PDT000408072.2	SAMN09847867	SAMN09847867	SRR7706369	GCA 003720475.1	N/A
PDT000408073.2	SAMN09847836	SAMN09847836	SRR7706364	GCA 003720485.1	N/A
PDT000408074.2	SAMN09847866	SAMN09847866	SRR7706368	GCA 003720515.1	N/A
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PDT000408076.2	SAMN09847859	SAMN09847859	SRR7706403	GCA 003720535.1	N/A
PDT000408077.2	SAMN09847855	SAMN09847855	SRR7706406	GCA 003720575.1	N/A
PDT000408078.2	SAMN09847858	SAMN09847858	SRR7706402	GCA 003720595.1	N/A
PDT000408079.2	SAMN09847857	SAMN09847857	SRR7706405	GCA 003720605.1	N/A
PDT000408081.2	SAMN09847854	SAMN09847854	SRR7706416	GCA 003720655.1	N/A
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PDT000408095.2	SAMN09847813	SAMN09847813	SRR7706392	GCA 003720935.1	N/A
PDT000408096.2	SAMN09847805	SAMN09847805	SRR7706395	GCA 003720945.1	N/A
PDT000408097.2	SAMN09847812	SAMN09847812	SRR7706391	GCA 003720975.1	N/A
PDT000408098.2	SAMN09847810	SAMN09847810	SRR7706400	GCA 003720995.1	N/A
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PDT000408100.2	SAMN09847808	SAMN09847808	SRR7706398	GCA 003721035.1	N/A
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PDT000408102.2	SAMN09847809	SAMN09847809	SRR7706399	GCA 003721075.1	N/A
PDT000408103.2	SAMN09847806	SAMN09847806	SRR7706396	GCA 003721095.1	N/A
PDT000408104.2	SAMN10373330	SAMN10373330	SRR8174579	GCA 003721115.1	N/A
PDT000408136.2	SAMN10170277	SAMN10170277	SRR8351770	GCA 003724015.1	N/A
PDT000413280.2	SAMN10163180	SAMN10163180	SRR8178101	GCA 003827915.1	N/A
PDT000413405.2	SAMD00009748	SAMD00009748	DRR015671	GCA 003850765.1	N/A
PDT000413406.2	SAMD00002817	SAMD00002817	DRR016177	GCA 003850785.1	N/A
PDT000418300.2	SAMN10163197	SAMN10163197	SRR8179226	GCA 003937725.1	N/A
PDT000418343.2	SAMN10163196	SAMN10163196	SRR8179213	GCA 003938815.1	N/A
PDT000423384.1	SAMEA4469677	SAMEA4469677	ERR1795902	GCA 015608745.1	N/A
PDT000423386.1	SAMEA4469679	SAMEA4469679	ERR1795904	GCA 015608665.1	N/A
PDT000423387.1	SAMEA4469680	SAMEA4469680	ERR1795905	GCA 015608825.1	N/A
PDT000423388.1	SAMEA4469681	SAMEA4469681	ERR1795906	GCA 015608535.1	N/A
PDT000423389.1	SAMEA4469682	SAMEA4469682	ERR1795907	GCA 015608705.1	N/A
PDT000423390.1	SAMEA4469683	SAMEA4469683	ERR1795908	GCA 015608785.1	N/A
PDT000423391.1	SAMEA4469684	SAMEA4469684	ERR1795909	GCA 015608765.1	N/A
PDT000423392.1	SAMEA4469685	SAMEA4469685	ERR1795910	GCA 015608565.1	N/A
PDT000423393.1	SAMEA4469686	SAMEA4469686	ERR1795911	GCA 015608605.1	N/A
PDT000423394.1	SAMEA4469687	SAMEA4469687	ERR1795912	GCA 015608685.1	N/A
PDT000423395.1	SAMEA4469688	SAMEA4469688	ERR1795913	GCA 015608625.1	N/A
PDT000423398.1	SAMEA4469691	SAMEA4469691	ERR1795916	GCA 015608845.1	N/A
PDT000423402.1	SAMEA4469695	SAMEA4469695	ERR1795920	GCA 015608525.1	N/A
PDT000423403.1	SAMEA4469696	SAMEA4469696	ERR1795921	GCA 015608485.1	N/A
PDT000423406.1	SAMEA4469699	SAMEA4469699	ERR1795924	GCA 015608365.1	N/A
PDT000423407.1	SAMEA4469700	SAMEA4469700	ERR1795925	GCA 015608345.1	N/A
PDT000423408.1	SAMEA4469701	SAMEA4469701	ERR1795926	GCA 015608265.1	N/A
PDT000423409.1	SAMEA4469704	SAMEA4469704	ERR1795927	GCA 015608425.1	N/A
PDT000423411.1	SAMEA4469709	SAMEA4469709	ERR1795929	GCA 015608405.1	N/A
PDT000423413.1	SAMEA4469713	SAMEA4469713	ERR1795931	GCA 015608325.1	N/A
PDT000423414.1	SAMEA4469737	SAMEA4469737	ERR1795932	GCA 015608225.1	N/A
PDT000423416.1	SAMEA4469743	SAMEA4469743	ERR1795934	GCA 015608125.1	N/A
PDT000423417.1	SAMEA4469752	SAMEA4469752	ERR1795935	GCA 015608145.1	N/A

PDT000423418.1	SAMEA4469755	SAMEA4469755	ERR1795936	GCA 015608165.1	N/A
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PDT000423420.1	SAMEA4469702	SAMEA4469702	ERR1800519	GCA 015608105.1	N/A
PDT000423421.1	SAMEA4469703	SAMEA4469703	ERR1800520	GCA 015608005.1	N/A
PDT000423423.1	SAMEA4469708	SAMEA4469708	ERR1800522	GCA 015608065.1	N/A
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PDT000423426.1	SAMEA4469714	SAMEA4469714	ERR1800525	GCA 015607095.1	N/A
PDT000423427.1	SAMEA4469715	SAMEA4469715	ERR1800526	GCA 015608205.1	N/A
PDT000423428.1	SAMEA4469716	SAMEA4469716	ERR1800527	GCA 015607365.1	N/A
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PDT000423432.1	SAMEA4469720	SAMEA4469720	ERR1800531	GCA 015607145.1	N/A
PDT000423434.1	SAMEA4469722	SAMEA4469722	ERR1800533	GCA 015607545.1	N/A
PDT000423435.1	SAMEA4469723	SAMEA4469723	ERR1800534	GCA 015607965.1	N/A
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PDT000423440.1	SAMEA4469728	SAMEA4469728	ERR1800539	GCA 015607885.1	N/A
PDT000423441.1	SAMEA4469729	SAMEA4469729	ERR1800540	GCA 015607865.1	N/A
PDT000423442.1	SAMEA4469730	SAMEA4469730	ERR1800541	GCA 015607905.1	N/A
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PDT000423444.1	SAMEA4469732	SAMEA4469732	ERR1800543	GCA 015607765.1	N/A
PDT000423445.1	SAMEA4469733	SAMEA4469733	ERR1800544	GCA 015607785.1	N/A
PDT000423446.1	SAMEA4469734	SAMEA4469734	ERR1800545	GCA 015607705.1	N/A
PDT000423447.1	SAMEA4469735	SAMEA4469735	ERR1800546	GCA 015607845.1	N/A
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PDT000423449.1	SAMEA4469738	SAMEA4469738	ERR1800548	GCA 015607745.1	N/A
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PDT000423452.1	SAMEA4469742	SAMEA4469742	ERR1800551	GCA 015607605.1	N/A
PDT000423453.1	SAMEA4469744	SAMEA4469744	ERR1800552	GCA 015607625.1	N/A
PDT000423454.1	SAMEA4469745	SAMEA4469745	ERR1800553	GCA 015607585.1	N/A
PDT000423455.1	SAMEA4469746	SAMEA4469746	ERR1800554	GCA 015607525.1	N/A
PDT000423456.1	SAMEA4469747	SAMEA4469747	ERR1800555	GCA 015607485.1	N/A
PDT000423457.1	SAMEA4469748	SAMEA4469748	ERR1800556	GCA 015607505.1	N/A
PDT000423461.1	SAMEA4469753	SAMEA4469753	ERR1800560	GCA 015607425.1	N/A
PDT000423462.1	SAMEA4469754	SAMEA4469754	ERR1800561	GCA 015607385.1	N/A
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PDT000423464.1	SAMEA4469757	SAMEA4469757	ERR1800563	GCA 015607285.1	N/A
PDT000423465.1	SAMEA4469758	SAMEA4469758	ERR1800564	GCA 015607305.1	N/A
PDT000423466.1	SAMEA4469759	SAMEA4469759	ERR1800565	GCA 015607025.1	N/A
PDT000423467.1	SAMEA4469760	SAMEA4469760	ERR1800566	GCA 015607245.1	N/A
PDT000423468.1	SAMEA4469761	SAMEA4469761	ERR1800567	GCA 015607265.1	N/A
PDT000423469.1	SAMEA4469763	SAMEA4469763	ERR1800568	GCA 015607205.1	N/A
PDT000423470.1	SAMEA4469764	SAMEA4469764	ERR1800569	GCA 015607185.1	N/A
PDT000423472.1	SAMEA4469766	SAMEA4469766	ERR1800571	GCA 015607165.1	N/A
PDT000423815.1	SAMEA4469767	SAMEA4469767	ERR1853116	GCA 015607065.1	N/A
PDT000423816.1	SAMEA4469768	SAMEA4469768	ERR1853117	GCA 015606975.1	N/A
PDT000423817.1	SAMEA4469769	SAMEA4469769	ERR1853118	GCA 015607085.1	N/A
PDT000423818.1	SAMEA4469770	SAMEA4469770	ERR1853119	GCA 015607125.1	N/A
PDT000423821.1	SAMEA4469773	SAMEA4469773	ERR1853122	GCA 015606725.1	N/A
PDT000423824.1	SAMEA4469776	SAMEA4469776	ERR1853125	GCA 015606845.1	N/A
PDT000423825.1	SAMEA4469777	SAMEA4469777	ERR1853126	GCA 015606965.1	N/A
PDT000423826.1	SAMEA4469778	SAMEA4469778	ERR1853127	GCA 015606905.1	N/A
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PDT000423835.1	SAMEA4469787	SAMEA4469787	ERR1853136	GCA 015606705.1	N/A
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PDT000444216.1	SAMEA53029918	SAMEA53029918	ERR2506140	GCA 015606325.1	N/A
PDT000444217.1	SAMEA53030668	SAMEA53030668	ERR2506141	GCA 015606265.1	N/A
PDT000444222.1	SAMEA53034418	SAMEA53034418	ERR2506146	GCA 015606225.1	N/A
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PDT000444235.1	SAMEA53044918	SAMEA53044918	ERR2506159	GCA 015606065.1	N/A
PDT000444238.1	SAMEA53047168	SAMEA53047168	ERR2506162	GCA 015605935.1	N/A
PDT000444248.1	SAMEA53054668	SAMEA53054668	ERR2506172	GCA 015605725.1	N/A
PDT000444253.1	SAMEA53059168	SAMEA53059168	ERR2506177	GCA 015605745.1	N/A
PDT000444260.1	SAMEA53064418	SAMEA53064418	ERR2506184	GCA 015605505.1	N/A
PDT000444262.1	SAMEA53065918	SAMEA53065918	ERR2506186	GCA 015605585.1	N/A
PDT000444268.1	SAMEA53070418	SAMEA53070418	ERR2506192	GCA 015605545.1	N/A
PDT000444272.1	SAMEA53073418	SAMEA53073418	ERR2506196	GCA 015605525.1	N/A
PDT000444274.1	SAMEA53075668	SAMEA53075668	ERR2506198	GCA 015605465.1	N/A
PDT000444279.1	SAMEA53079418	SAMEA53079418	ERR2506203	GCA 015606645.1	N/A
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PDT000466731.2	SAMN10838474	SAMN10838474	SRR8501292	GCA 004167955.1	N/A
PDT000466741.2	SAMN10838475	SAMN10838475	SRR8501293	GCA 004168155.1	N/A
PDT000466742.2	SAMN10838477	SAMN10838477	SRR8501295	GCA 004168185.1	N/A
PDT000468714.2	SAMN10464026	SAMN10464026	SRR8583490	GCA 004209875.1	N/A
PDT000471969.2	SAMN06925305	SAMN06925305	SRR5520614	GCA 004295725.1	N/A
PDT000490163.2	SAMN11360115	SAMN11360115	SRR8923025	GCA 004785995.1	N/A
PDT000498537.2	SAMN11458130	SAMN11458130	SRR8925536	GCA 005047485.1	N/A
PDT000498557.2	SAMN11458133	SAMN11458133	SRR8925277	GCA 005047995.1	N/A
PDT000498568.2	SAMN11458138	SAMN11458138	SRR8925289	GCA 005048295.1	N/A
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PDT000498572.3	SAMN11458143	SAMN11458143	SRR8925288	GCA 005048375.2	N/A
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PDT000498597.3	SAMN11458148	SAMN11458148	SRR8925287	GCA 005048925.2	N/A
PDT000514615.3	SAMN11096691	SAMN11096691	SRR14831795	GCA 005075635.1	N/A
PDT000514622.3	SAMN11080858	SAMN11080858	SRR14690946	GCA 005706035.1	N/A
PDT000514636.3	SAMN11096030	SAMN11096030	SRR15497842	GCA 005706855.1	N/A
PDT000514642.3	SAMN11096191	SAMN11096191	SRR9694130	GCA 005707215.1	N/A
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PDT000531906.2	SAMN11056481	SAMN11056481	SRR9641507	GCA 006364775.1	N/A
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PDT000538360.1	SAMEA104452077	SAMEA104452077	ERR2232568	GCA 015604305.1	N/A
PDT000538361.1	SAMEA104452078	SAMEA104452078	ERR2232569	GCA 015604285.1	N/A
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PDT000538363.1	SAMEA104452080	SAMEA104452080	ERR2232573	GCA 015604245.1	N/A
PDT000538365.1	SAMEA104452082	SAMEA104452082	ERR2232575	GCA 015604125.1	N/A
PDT000538366.1	SAMEA104452083	SAMEA104452083	ERR2232577	GCA 015604205.1	N/A
PDT000538367.1	SAMEA104452084	SAMEA104452084	ERR2232579	GCA 015604185.1	N/A
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PDT000538370.1	SAMEA104452087	SAMEA104452087	ERR2232583	GCA 015603945.1	N/A
PDT000538371.1	SAMEA104452088	SAMEA104452088	ERR2232584	GCA 015604065.1	N/A
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PDT000538374.1	SAMEA104452091	SAMEA104452091	ERR2232588	GCA 015604045.1	N/A
PDT000538375.1	SAMEA104452092	SAMEA104452092	ERR2232589	GCA 015603985.1	N/A
PDT000538376.1	SAMEA104452093	SAMEA104452093	ERR2232590	GCA 015603965.1	N/A

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PDT000538380.1	SAMEA104452097	SAMEA104452097	ERR2232595	GCA 015604085.1	N/A
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PDT000538385.1	SAMEA104452102	SAMEA104452102	ERR2232600	GCA 015604845.1	N/A
PDT000538388.1	SAMEA104452105	SAMEA104452105	ERR2232603	GCA 015603825.1	N/A
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PDT000538392.1	SAMEA104452109	SAMEA104452109	ERR2232607	GCA 015603725.1	N/A
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PDT000538402.1	SAMEA104452119	SAMEA104452119	ERR2232619	GCA 015603225.1	N/A
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PDT000538406.1	SAMEA104452123	SAMEA104452123	ERR2232623	GCA 015603295.1	N/A
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PDT000538416.1	SAMEA104452133	SAMEA104452133	ERR2232633	GCA 015603465.1	N/A
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PDT000538420.1	SAMEA104452137	SAMEA104452137	ERR2232637	GCA 015603765.1	N/A
PDT000538422.1	SAMEA104452139	SAMEA104452139	ERR2232639	GCA 015603745.1	N/A
PDT000538423.1	SAMEA104452140	SAMEA104452140	ERR2232640	GCA 015603705.1	N/A
PDT000538427.1	SAMEA104452144	SAMEA104452144	ERR2232644	GCA 015603585.1	N/A
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PDT000538470.1	SAMEA104452187	SAMEA104452187	ERR2232695	GCA 015603265.1	N/A
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PDT000538474.1	SAMEA104452191	SAMEA104452191	ERR2232703	GCA 015603145.1	N/A
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PDT000544175.2	SAMEA4623346	SAMEA4623346	ERR3403341	GCA 902166055.1	N/A
PDT000550211.2	SAMD00172962	SAMD00172962	DRR180574	GCA 007185035.1	N/A
PDT000551365.1	SAMN12414141	SAMN12414141	SRR9860654	GCA 015602845.1	N/A
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PDT000596127.2	SAMD00180474	SAMD00180474	DRR187563	GCA 008619795.1	N/A
PDT000596128.2	SAMD00180475	SAMD00180475	DRR187564	GCA 008619935.1	N/A
PDT000596129.2	SAMD00180476	SAMD00180476	DRR187565	GCA 008620055.1	N/A
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PDT000618818.1	SAMN12768986	SAMN12768986	SRR10126881	GCA 015600445.1	N/A
PDT000618819.1	SAMN12768985	SAMN12768985	SRR10126882	GCA 015600475.1	N/A
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PDT000804994.2	SAMEA6125882	SAMEA6125882	ERR3623808	GCA 903987835.1	N/A
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PDT000811421.1	SAMEA4387375	SAMEA4387375	ERR1788991	GCA 015581235.1	N/A
PDT000811422.1	SAMEA4387099	SAMEA4387099	ERR1788992	GCA 015581275.1	N/A
PDT000811423.1	SAMEA4387512	SAMEA4387512	ERR1788993	GCA 015581395.1	N/A
PDT000811424.1	SAMEA4387100	SAMEA4387100	ERR1788994	GCA 015581355.1	N/A
PDT000811425.1	SAMEA4387376	SAMEA4387376	ERR1788995	GCA 015581325.1	N/A
PDT000811426.1	SAMEA4387101	SAMEA4387101	ERR1788996	GCA 015581215.1	N/A
PDT000811427.1	SAMEA4387608	SAMEA4387608	ERR1788997	GCA 015581255.1	N/A
PDT000811428.1	SAMEA4387102	SAMEA4387102	ERR1788998	GCA 015581315.1	N/A
PDT000811429.1	SAMEA4387103	SAMEA4387103	ERR1788999	GCA 015581075.1	N/A
PDT000811430.1	SAMEA4387513	SAMEA4387513	ERR1789000	GCA 015580995.1	N/A
PDT000811431.1	SAMEA4387104	SAMEA4387104	ERR1789001	GCA 015581115.1	N/A
PDT000811432.1	SAMEA4387378	SAMEA4387378	ERR1789002	GCA 015580955.1	N/A
PDT000811433.1	SAMEA4387105	SAMEA4387105	ERR1789003	GCA 015581055.1	N/A
PDT000811434.1	SAMEA4387712	SAMEA4387712	ERR1789004	GCA 015581175.1	N/A
PDT000811435.1	SAMEA4387106	SAMEA4387106	ERR1789005	GCA 015581195.1	N/A
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PDT000811439.1	SAMEA4387108	SAMEA4387108	ERR1789009	GCA 015580855.1	N/A
PDT000811440.1	SAMEA4387380	SAMEA4387380	ERR1789010	GCA 015580895.1	N/A
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PDT000811442.1	SAMEA4387609	SAMEA4387609	ERR1789012	GCA 015580875.1	N/A
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PDT000811444.1	SAMEA4387381	SAMEA4387381	ERR1789014	GCA 015580915.1	N/A
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PDT000811447.1	SAMEA4387112	SAMEA4387112	ERR1789017	GCA 015580775.1	N/A
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PDT000811454.1	SAMEA4387516	SAMEA4387516	ERR1789024	GCA 015580595.1	N/A
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PDT000811456.1	SAMEA4387384	SAMEA4387384	ERR1789026	GCA 015580615.1	N/A
PDT000811458.1	SAMEA4387610	SAMEA4387610	ERR1789028	GCA 015580575.1	N/A
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PDT000811466.1	SAMEA4387741	SAMEA4387741	ERR1789036	GCA 015579695.1	N/A
PDT000811467.1	SAMEA4387122	SAMEA4387122	ERR1789037	GCA 015579655.1	N/A
PDT000811468.1	SAMEA4387387	SAMEA4387387	ERR1789038	GCA 015579195.1	N/A
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PDT000811473.1	SAMEA4387125	SAMEA4387125	ERR1789043	GCA 015579675.1	N/A
PDT000811474.1	SAMEA4387611	SAMEA4387611	ERR1789044	GCA 015580215.1	N/A
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PDT000811478.1	SAMEA4387519	SAMEA4387519	ERR1789048	GCA 015579595.1	N/A
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PDT000811490.1	SAMEA4387612	SAMEA4387612	ERR1789060	GCA 015579795.1	N/A
PDT000811491.1	SAMEA4387134	SAMEA4387134	ERR1789061	GCA 015579835.1	N/A
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PDT000811493.1	SAMEA4387135	SAMEA4387135	ERR1789063	GCA 015579805.1	N/A
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PDT000811498.1	SAMEA4387138	SAMEA4387138	ERR1789068	GCA 015579375.1	N/A
PDT000811499.1	SAMEA4387395	SAMEA4387395	ERR1789069	GCA 015579395.1	N/A
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PDT000811502.1	SAMEA4387140	SAMEA4387140	ERR1789072	GCA 015579425.1	N/A
PDT000811503.1	SAMEA4387396	SAMEA4387396	ERR1789073	GCA 015579215.1	N/A
PDT000811504.1	SAMEA4387141	SAMEA4387141	ERR1789074	GCA 015580445.1	N/A
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PDT000811507.1	SAMEA4387397	SAMEA4387397	ERR1789077	GCA 015580395.1	N/A
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PDT000811512.1	SAMEA4387145	SAMEA4387145	ERR1789082	GCA 015580155.1	N/A
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PDT000811520.1	SAMEA4387149	SAMEA4387149	ERR1789090	GCA 015580035.1	N/A
PDT000811521.1	SAMEA4387614	SAMEA4387614	ERR1789091	GCA 015579975.1	N/A
PDT000811522.1	SAMEA4387150	SAMEA4387150	ERR1789092	GCA 015580335.1	N/A
PDT000811523.1	SAMEA4387401	SAMEA4387401	ERR1789093	GCA 015580015.1	N/A
PDT000811525.1	SAMEA4387525	SAMEA4387525	ERR1789095	GCA 015579235.1	N/A
PDT000811528.1	SAMEA4387153	SAMEA4387153	ERR1789098	GCA 015579115.1	N/A
PDT000811529.1	SAMEA4387729	SAMEA4387729	ERR1789099	GCA 015579175.1	N/A
PDT000811530.1	SAMEA4387154	SAMEA4387154	ERR1789100	GCA 015579095.1	N/A
PDT000811531.1	SAMEA4387403	SAMEA4387403	ERR1789101	GCA 015579015.1	N/A
PDT000811532.1	SAMEA4387155	SAMEA4387155	ERR1789102	GCA 015579075.1	N/A
PDT000811533.1	SAMEA4387526	SAMEA4387526	ERR1789103	GCA 015579055.1	N/A
PDT000811535.1	SAMEA4387404	SAMEA4387404	ERR1789105	GCA 015579035.1	N/A
PDT000811536.1	SAMEA4387157	SAMEA4387157	ERR1789106	GCA 015578975.1	N/A
PDT000811537.1	SAMEA4387615	SAMEA4387615	ERR1789107	GCA 015578905.1	N/A
PDT000811538.1	SAMEA4387158	SAMEA4387158	ERR1789108	GCA 015578875.1	N/A
PDT000811539.1	SAMEA4387405	SAMEA4387405	ERR1789109	GCA 015578955.1	N/A
PDT000811540.1	SAMEA4387159	SAMEA4387159	ERR1789110	GCA 015578895.1	N/A
PDT000811541.1	SAMEA4387527	SAMEA4387527	ERR1789111	GCA 015578935.1	N/A
PDT000811542.1	SAMEA4387160	SAMEA4387160	ERR1789112	GCA 015578855.1	N/A
PDT000811543.1	SAMEA4387406	SAMEA4387406	ERR1789113	GCA 015577955.1	N/A
PDT000811544.1	SAMEA4387161	SAMEA4387161	ERR1789114	GCA 015579955.1	N/A
PDT000811545.1	SAMEA4387681	SAMEA4387681	ERR1789115	GCA 015578635.1	N/A
PDT000811546.1	SAMEA4387162	SAMEA4387162	ERR1789116	GCA 015578695.1	N/A
PDT000811548.1	SAMEA4387163	SAMEA4387163	ERR1789118	GCA 015578445.1	N/A
PDT000811549.1	SAMEA4387528	SAMEA4387528	ERR1789119	GCA 015578335.1	N/A
PDT000811550.1	SAMEA4387164	SAMEA4387164	ERR1789120	GCA 015577635.1	N/A
PDT000811551.1	SAMEA4387408	SAMEA4387408	ERR1789121	GCA 015577975.1	N/A
PDT000811552.1	SAMEA4387165	SAMEA4387165	ERR1789122	GCA 015578475.1	N/A
PDT000811553.1	SAMEA4387616	SAMEA4387616	ERR1789123	GCA 015577935.1	N/A
PDT000811554.1	SAMEA4387166	SAMEA4387166	ERR1789124	GCA 015577875.1	N/A
PDT000811555.1	SAMEA4387409	SAMEA4387409	ERR1789125	GCA 015577775.1	N/A
PDT000811556.1	SAMEA4387167	SAMEA4387167	ERR1789126	GCA 015577915.1	N/A
PDT000811557.1	SAMEA4387529	SAMEA4387529	ERR1789127	GCA 015577895.1	N/A
PDT000811558.1	SAMEA4387168	SAMEA4387168	ERR1789128	GCA 015577835.1	N/A

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PDT000811561.1	SAMEA4387714	SAMEA4387714	ERR1789131	GCA 015577815.1	N/A
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PDT000811563.1	SAMEA4387411	SAMEA4387411	ERR1789133	GCA 015577655.1	N/A
PDT000811565.1	SAMEA4387530	SAMEA4387530	ERR1789135	GCA 015577685.1	N/A
PDT000811566.1	SAMEA4387172	SAMEA4387172	ERR1789136	GCA 015577675.1	N/A
PDT000811568.1	SAMEA4387173	SAMEA4387173	ERR1789138	GCA 015577715.1	N/A
PDT000811569.1	SAMEA4387617	SAMEA4387617	ERR1789139	GCA 015577555.1	N/A
PDT000811570.1	SAMEA4387174	SAMEA4387174	ERR1789140	GCA 015577535.1	N/A
PDT000811571.1	SAMEA4387413	SAMEA4387413	ERR1789141	GCA 015577545.1	N/A
PDT000811572.1	SAMEA4387175	SAMEA4387175	ERR1789142	GCA 015577565.1	N/A
PDT000811574.1	SAMEA4387176	SAMEA4387176	ERR1789144	GCA 015577495.1	N/A
PDT000811575.1	SAMEA4387414	SAMEA4387414	ERR1789145	GCA 015577455.1	N/A
PDT000811576.1	SAMEA4387177	SAMEA4387177	ERR1789146	GCA 015577475.1	N/A
PDT000811577.1	SAMEA4387682	SAMEA4387682	ERR1789147	GCA 015578835.1	N/A
PDT000811578.1	SAMEA4387178	SAMEA4387178	ERR1789148	GCA 015578795.1	N/A
PDT000811579.1	SAMEA4387415	SAMEA4387415	ERR1789149	GCA 015578755.1	N/A
PDT000811582.1	SAMEA4387180	SAMEA4387180	ERR1789152	GCA 015578815.1	N/A
PDT000811583.1	SAMEA4387416	SAMEA4387416	ERR1789153	GCA 015578775.1	N/A
PDT000811584.1	SAMEA4387181	SAMEA4387181	ERR1789154	GCA 015577355.1	N/A
PDT000811586.1	SAMEA4387182	SAMEA4387182	ERR1789156	GCA 015578655.1	N/A
PDT000811587.1	SAMEA4387417	SAMEA4387417	ERR1789157	GCA 015578355.1	N/A
PDT000811589.1	SAMEA4387533	SAMEA4387533	ERR1789159	GCA 015578535.1	N/A
PDT000811590.1	SAMEA4387184	SAMEA4387184	ERR1789160	GCA 015578295.1	N/A
PDT000811591.1	SAMEA4387418	SAMEA4387418	ERR1789161	GCA 015578275.1	N/A
PDT000811592.1	SAMEA4387185	SAMEA4387185	ERR1789162	GCA 015578575.1	N/A
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PDT000811594.1	SAMEA4387186	SAMEA4387186	ERR1789164	GCA 015578515.1	N/A
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PDT000811598.1	SAMEA4387188	SAMEA4387188	ERR1789168	GCA 015578375.1	N/A
PDT000811599.1	SAMEA4387420	SAMEA4387420	ERR1789169	GCA 015578315.1	N/A
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PDT000811616.1	SAMEA4387197	SAMEA4387197	ERR1789186	GCA 015578095.1	N/A
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PDT000811618.1	SAMEA4387198	SAMEA4387198	ERR1789188	GCA 015578035.1	N/A
PDT000811619.1	SAMEA4387425	SAMEA4387425	ERR1789189	GCA 015578075.1	N/A
PDT000811620.1	SAMEA4387199	SAMEA4387199	ERR1789190	GCA 015578005.1	N/A
PDT000811621.1	SAMEA4387537	SAMEA4387537	ERR1789191	GCA 015577315.1	N/A
PDT000811622.1	SAMEA4387200	SAMEA4387200	ERR1789192	GCA 015577995.1	N/A
PDT000811623.1	SAMEA4387426	SAMEA4387426	ERR1789193	GCA 015577265.1	N/A
PDT000811624.1	SAMEA4387201	SAMEA4387201	ERR1789194	GCA 015577155.1	N/A
PDT000811625.1	SAMEA4387715	SAMEA4387715	ERR1789195	GCA 015577175.1	N/A
PDT000811626.1	SAMEA4387202	SAMEA4387202	ERR1789196	GCA 015577255.1	N/A
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PDT000811631.1	SAMEA4387428	SAMEA4387428	ERR1789201	GCA 015576455.1	N/A
PDT000811632.1	SAMEA4387205	SAMEA4387205	ERR1789202	GCA 015576555.1	N/A
PDT000811634.1	SAMEA4387206	SAMEA4387206	ERR1789204	GCA 015576055.1	N/A
PDT000811638.1	SAMEA4387208	SAMEA4387208	ERR1789208	GCA 015576715.1	N/A
PDT000811639.1	SAMEA4387430	SAMEA4387430	ERR1789209	GCA 015576735.1	N/A
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PDT000811642.1	SAMEA4387210	SAMEA4387210	ERR1789212	GCA 015577135.1	N/A
PDT000811643.1	SAMEA4387431	SAMEA4387431	ERR1789213	GCA 015576695.1	N/A
PDT000811644.1	SAMEA4387211	SAMEA4387211	ERR1789214	GCA 015577115.1	N/A
PDT000811645.1	SAMEA4387540	SAMEA4387540	ERR1789215	GCA 015577055.1	N/A

PDT000811646.1	SAMEA4387212	SAMEA4387212	ERR1789216	GCA 015577095.1	N/A
PDT000811647.1	SAMEA4387432	SAMEA4387432	ERR1789217	GCA 015576755.1	N/A
PDT000811648.1	SAMEA4387213	SAMEA4387213	ERR1789218	GCA 015576615.1	N/A
PDT000811649.1	SAMEA4387622	SAMEA4387622	ERR1789219	GCA 015576635.1	N/A
PDT000811650.1	SAMEA4387214	SAMEA4387214	ERR1789220	GCA 015576575.1	N/A
PDT000811651.1	SAMEA4387433	SAMEA4387433	ERR1789221	GCA 015575975.1	N/A
PDT000811652.1	SAMEA4387215	SAMEA4387215	ERR1789222	GCA 015576515.1	N/A
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PDT000811666.1	SAMEA4387437	SAMEA4387437	ERR1789236	GCA 015576215.1	N/A
PDT000811667.1	SAMEA4387223	SAMEA4387223	ERR1789237	GCA 015576245.1	N/A
PDT000811669.1	SAMEA4387224	SAMEA4387224	ERR1789239	GCA 015576175.1	N/A
PDT000811670.1	SAMEA4387438	SAMEA4387438	ERR1789240	GCA 015576095.1	N/A
PDT000811671.1	SAMEA4387225	SAMEA4387225	ERR1789241	GCA 015576065.1	N/A
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PDT000811678.1	SAMEA4387440	SAMEA4387440	ERR1789248	GCA 015576025.1	N/A
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PDT000811686.1	SAMEA4387442	SAMEA4387442	ERR1789256	GCA 015576915.1	N/A
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PDT000811689.1	SAMEA4387234	SAMEA4387234	ERR1789259	GCA 015576935.1	N/A
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PDT000811691.1	SAMEA4387235	SAMEA4387235	ERR1789261	GCA 015576875.1	N/A
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PDT000811745.1	SAMEA4387457	SAMEA4387457	ERR1789315	GCA 015575095.1	N/A
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PDT000811781.1	SAMEA4387466	SAMEA4387466	ERR1789351	GCA 015573535.1	N/A
PDT000811782.1	SAMEA4387281	SAMEA4387281	ERR1789352	GCA 015573515.1	N/A
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PDT000811786.1	SAMEA4387283	SAMEA4387283	ERR1789356	GCA 015573315.1	N/A
PDT000811787.1	SAMEA4387558	SAMEA4387558	ERR1789357	GCA 015573375.1	N/A
PDT000811788.1	SAMEA4387284	SAMEA4387284	ERR1789358	GCA 015573425.1	N/A
PDT000811789.1	SAMEA4387468	SAMEA4387468	ERR1789359	GCA 015573295.1	N/A
PDT000811791.1	SAMEA4387631	SAMEA4387631	ERR1789361	GCA 015573335.1	N/A
PDT000811792.1	SAMEA4387286	SAMEA4387286	ERR1789362	GCA 015574295.1	N/A
PDT000811793.1	SAMEA4387469	SAMEA4387469	ERR1789363	GCA 015574275.1	N/A
PDT000811794.1	SAMEA4387287	SAMEA4387287	ERR1789364	GCA 015574235.1	N/A
PDT000811795.1	SAMEA4387559	SAMEA4387559	ERR1789365	GCA 015574255.1	N/A
PDT000811796.1	SAMEA4387288	SAMEA4387288	ERR1789366	GCA 015574195.1	N/A
PDT000811797.1	SAMEA4387470	SAMEA4387470	ERR1789367	GCA 015574175.1	N/A
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PDT000811863.1	SAMEA4387691	SAMEA4387691	ERR1795551	GCA 015572495.1	N/A
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PDT000812721.1	SAMN10038916	SAMN10038916	SRR7839391	GCA 015571195.1	N/A
PDT000812722.1	SAMN10038917	SAMN10038917	SRR7839392	GCA 015570715.1	N/A
PDT000812723.1	SAMN10038896	SAMN10038896	SRR7839407	GCA 015571135.1	N/A

PDT000812725.1	SAMN10038892	SAMN10038892	SRR7839411	GCA 015570535.1	N/A
PDT000812726.1	SAMN10038893	SAMN10038893	SRR7839412	GCA 015570735.1	N/A
PDT000812727.1	SAMN10038894	SAMN10038894	SRR7839413	GCA 015570635.1	N/A
PDT000812731.1	SAMN10038890	SAMN10038890	SRR7839417	GCA 015571075.1	N/A
PDT000812732.1	SAMN10038891	SAMN10038891	SRR7839418	GCA 015571175.1	N/A
PDT000812733.1	SAMN10038991	SAMN10038991	SRR7839445	GCA 015571115.1	N/A
PDT000812734.1	SAMN10038990	SAMN10038990	SRR7839446	GCA 015570935.1	N/A
PDT000812735.1	SAMN10038989	SAMN10038989	SRR7839447	GCA 015570895.1	N/A
PDT000812736.1	SAMN10038988	SAMN10038988	SRR7839448	GCA 015571035.1	N/A
PDT000812737.1	SAMN10038995	SAMN10038995	SRR7839449	GCA 015571055.1	N/A
PDT000812740.1	SAMN10038992	SAMN10038992	SRR7839452	GCA 015570855.1	N/A
PDT000812742.1	SAMN10038769	SAMN10038769	SRR7839456	GCA 015570795.1	N/A
PDT000812744.1	SAMN10038771	SAMN10038771	SRR7839458	GCA 015570815.1	N/A
PDT000812745.1	SAMN10038772	SAMN10038772	SRR7839459	GCA 015570915.1	N/A
PDT000812746.1	SAMN10038773	SAMN10038773	SRR7839462	GCA 015570835.1	N/A
PDT000812747.1	SAMN10038729	SAMN10038729	SRR7839497	GCA 015570975.1	N/A
PDT000812751.1	SAMN10038852	SAMN10038852	SRR7839501	GCA 015570575.1	N/A
PDT000812752.1	SAMN10038732	SAMN10038732	SRR7839502	GCA 015570515.1	N/A
PDT000812753.1	SAMN10038854	SAMN10038854	SRR7839503	GCA 015570675.1	N/A
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PDT000812758.1	SAMN10038975	SAMN10038975	SRR7839560	GCA 015569695.1	N/A
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PDT000812760.1	SAMN10038955	SAMN10038955	SRR7839562	GCA 015569655.1	N/A
PDT000812761.1	SAMN10038954	SAMN10038954	SRR7839563	GCA 015569895.1	N/A
PDT000812762.1	SAMN10038953	SAMN10038953	SRR7839564	GCA 015570075.1	N/A
PDT000812763.1	SAMN10038952	SAMN10038952	SRR7839565	GCA 015569935.1	N/A
PDT000812764.1	SAMN10038951	SAMN10038951	SRR7839566	GCA 015569855.1	N/A
PDT000812765.1	SAMN10038950	SAMN10038950	SRR7839567	GCA 015569915.1	N/A
PDT000812766.1	SAMN10038949	SAMN10038949	SRR7839568	GCA 015570095.1	N/A
PDT000812767.1	SAMN10038948	SAMN10038948	SRR7839569	GCA 015570655.1	N/A
PDT000812768.1	SAMN10038957	SAMN10038957	SRR7839570	GCA 015570275.1	N/A
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PDT000812770.1	SAMN10038976	SAMN10038976	SRR7839592	GCA 015570415.1	N/A
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PDT000812780.1	SAMN10038800	SAMN10038800	SRR7839602	GCA 015570215.1	N/A
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PDT000812785.1	SAMN10038923	SAMN10038923	SRR7839607	GCA 015569955.1	N/A
PDT000812786.1	SAMN10038922	SAMN10038922	SRR7839608	GCA 015570055.1	N/A
PDT000812787.1	SAMN10038925	SAMN10038925	SRR7839609	GCA 015570115.1	N/A
PDT000812788.1	SAMN10038924	SAMN10038924	SRR7839610	GCA 015569975.1	N/A
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PDT000812792.1	SAMN10038906	SAMN10038906	SRR7839627	GCA 015569835.1	N/A
PDT000812793.1	SAMN10038901	SAMN10038901	SRR7839632	GCA 015569815.1	N/A
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PDT000812802.1	SAMN10038821	SAMN10038821	SRR7839651	GCA 015568875.1	N/A
PDT000812803.1	SAMN10038819	SAMN10038819	SRR7839653	GCA 015568815.1	N/A
PDT000812805.1	SAMN10038815	SAMN10038815	SRR7839669	GCA 015568775.1	N/A
PDT000812806.1	SAMN10038775	SAMN10038775	SRR7839696	GCA 015568755.1	N/A
PDT000812810.1	SAMN10038749	SAMN10038749	SRR7839700	GCA 015569135.1	N/A
PDT000812811.1	SAMN10038754	SAMN10038754	SRR7839701	GCA 015569615.1	N/A
PDT000812812.1	SAMN10038755	SAMN10038755	SRR7839702	GCA 015569155.1	N/A
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PDT000812814.1	SAMN10038753	SAMN10038753	SRR7839704	GCA 015568735.1	N/A
PDT000812815.1	SAMN10038756	SAMN10038756	SRR7839705	GCA 015568375.1	N/A
PDT000812817.1	SAMN10038973	SAMN10038973	SRR7839715	GCA 015568935.1	N/A
PDT000812819.1	SAMN10038969	SAMN10038969	SRR7839719	GCA 015569165.1	N/A
PDT000812820.1	SAMN10038968	SAMN10038968	SRR7839720	GCA 015569195.1	N/A
PDT000812822.1	SAMN10038970	SAMN10038970	SRR7839722	GCA 015569115.1	N/A
PDT000812823.1	SAMN10038836	SAMN10038836	SRR7839723	GCA 015569055.1	N/A



PDT000812824.1	SAMN10038837	SAMN10038837	SRR7839724	GCA 015569095.1	N/A
PDT000812825.1	SAMN10038830	SAMN10038830	SRR7839725	GCA 015569415.1	N/A
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PDT000812832.1	SAMN10038833	SAMN10038833	SRR7839732	GCA 015568575.1	N/A
PDT000812836.1	SAMN10038782	SAMN10038782	SRR7839750	GCA 015569555.1	N/A
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PDT000812844.1	SAMN10038928	SAMN10038928	SRR7839811	GCA 015569235.1	N/A
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PDT000812864.1	SAMN10038882	SAMN10038882	SRR7839878	GCA 015568175.1	N/A
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PDT000812870.1	SAMN10038880	SAMN10038880	SRR7839884	GCA 015568155.1	N/A
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PDT000812875.1	SAMN10038812	SAMN10038812	SRR7839891	GCA 015666045.1	N/A
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PDT000812884.1	SAMN10038850	SAMN10038850	SRR7839916	GCA 015567585.1	N/A
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PDT000812887.1	SAMN10038735	SAMN10038735	SRR7839927	GCA 015568055.1	N/A
PDT000812891.1	SAMN10038966	SAMN10038966	SRR7839936	GCA 015567995.1	N/A
PDT000812892.1	SAMN10038967	SAMN10038967	SRR7839937	GCA 015567895.1	N/A
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PDT000812912.1	SAMN10038758	SAMN10038758	SRR7839985	GCA 015567295.1	N/A
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PDT000812916.1	SAMN10038762	SAMN10038762	SRR7839989	GCA 015567235.1	N/A
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PDT000812921.1	SAMN10038984	SAMN10038984	SRR7840002	GCA 015566915.1	N/A
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PDT000812930.1	SAMN10038865	SAMN10038865	SRR7840012	GCA 015567035.1	N/A
PDT000812931.1	SAMN10038864	SAMN10038864	SRR7840013	GCA 015567095.1	N/A

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PDT000812937.1	SAMN10038858	SAMN10038858	SRR7840019	GCA 015566635.1	N/A
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PDT000812947.1	SAMN10038945	SAMN10038945	SRR7840089	GCA 015566555.1	N/A
PDT000812948.1	SAMN10038942	SAMN10038942	SRR7840090	GCA 015566575.1	N/A
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PDT000812955.1	SAMN10038824	SAMN10038824	SRR7840101	GCA 015566415.1	N/A
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PDT000812964.1	SAMN10038793	SAMN10038793	SRR7840127	GCA 015566275.1	N/A
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PDT000812970.1	SAMN10038875	SAMN10038875	SRR7840158	GCA 015566095.1	N/A
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PDT000812972.1	SAMN10038873	SAMN10038873	SRR7840160	GCA 015565295.1	N/A
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PDT000812978.1	SAMN10038877	SAMN10038877	SRR7840166	GCA 015561485.1	N/A
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PDT000813596.1	SAMN12776238	SAMN12776238	SRR10179020	GCA 009456285.1	N/A
PDT000813597.1	SAMN12776236	SAMN12776236	SRR10179022	GCA 009456335.1	N/A
PDT000813600.1	SAMN12776233	SAMN12776233	SRR10179025	GCA 009456385.1	N/A
PDT000813601.1	SAMN12776234	SAMN12776234	SRR10179024	GCA 009456395.1	N/A
PDT000813602.1	SAMN12776230	SAMN12776230	SRR10179029	GCA 009456425.1	N/A
PDT000813604.1	SAMN12776229	SAMN12776229	SRR10179030	GCA 009456455.1	N/A
PDT000813605.1	SAMN12776228	SAMN12776228	SRR10179031	GCA 009456465.1	N/A
PDT000813606.1	SAMN12776227	SAMN12776227	SRR10179032	GCA 009456485.1	N/A
PDT000813608.1	SAMN12776225	SAMN12776225	SRR10179034	GCA 009456545.1	N/A
PDT000813609.1	SAMN12776223	SAMN12776223	SRR10179036	GCA 009456585.1	N/A
PDT000813610.1	SAMN12776224	SAMN12776224	SRR10179035	GCA 009456565.1	N/A
PDT000813611.1	SAMN12776222	SAMN12776222	SRR10179037	GCA 009456575.1	N/A
PDT000813613.1	SAMN12776220	SAMN12776220	SRR10179040	GCA 009456635.1	N/A
PDT000813614.1	SAMN12776217	SAMN12776217	SRR10179043	GCA 009456675.1	N/A
PDT000813615.1	SAMN12776219	SAMN12776219	SRR10179041	GCA 009456665.1	N/A
PDT000813616.1	SAMN12776218	SAMN12776218	SRR10179042	GCA 009456705.1	N/A
PDT000813617.1	SAMN12776215	SAMN12776215	SRR10179045	GCA 009456725.1	N/A
PDT000813618.1	SAMN12776216	SAMN12776216	SRR10179044	GCA 009456715.1	N/A
PDT000813619.1	SAMN12776214	SAMN12776214	SRR10179046	GCA 009456765.1	N/A
PDT000813620.1	SAMN12776213	SAMN12776213	SRR10179047	GCA 009456775.1	N/A
PDT000813621.1	SAMN12776211	SAMN12776211	SRR10179050	GCA 009456805.1	N/A
PDT000813622.1	SAMN12776210	SAMN12776210	SRR10179051	GCA 009456825.1	N/A
PDT000813623.1	SAMN12776212	SAMN12776212	SRR10179048	GCA 009456835.1	N/A
PDT000813624.1	SAMN12776209	SAMN12776209	SRR10179052	GCA 009456865.1	N/A
PDT000813626.1	SAMN12776207	SAMN12776207	SRR10179054	GCA 009456905.1	N/A
PDT000813627.1	SAMN12776206	SAMN12776206	SRR10179055	GCA 009456915.1	N/A
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PDT000813647.1	SAMN12776188	SAMN12776188	SRR10179075	GCA 009457285.1	N/A
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PDT000813650.1	SAMN12776184	SAMN12776184	SRR10179079	GCA 009457365.1	N/A
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PDT000813816.1	SAMN12776017	SAMN12776017	SRR10179223	GCA 009460685.1	N/A
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PDT000904264.1	SAMN10689356	SAMN10689356	SRR8389046	GCA 015714445.1	N/A
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PDT000904266.1	SAMN10689359	SAMN10689359	SRR8389045	GCA 015714475.1	N/A
PDT000904267.1	SAMN10689355	SAMN10689355	SRR8389003	GCA 015714505.1	N/A
PDT000904268.1	SAMN10689354	SAMN10689354	SRR8389002	GCA 015714515.1	N/A
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PDT000904272.1	SAMN10689347	SAMN10689347	SRR8389004	GCA 015714605.1	N/A
PDT000904273.1	SAMN10689346	SAMN10689346	SRR8389007	GCA 015714615.1	N/A
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PDT000904292.1	SAMN09401040	SAMN09401040	SRR7297390	GCA 015715185.1	N/A
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PDT000904307.1	SAMN09401026	SAMN09401026	SRR7297569	GCA 015715475.1	N/A
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PDT000904313.1	SAMN09401019	SAMN09401019	SRR7297570	GCA 015715605.1	N/A
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PDT000904334.1	SAMN09400996	SAMN09400996	SRR7297470	GCA 015716025.1	N/A
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PDT000904343.1	SAMN09400986	SAMN09400986	SRR7297164	GCA 015716185.1	N/A
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PDT000904375.1	SAMN09400955	SAMN09400955	SRR7297589	GCA 015716835.1	N/A
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PDT000904462.1	SAMN13622089	SAMN13622089	SRR10728155	GCA 015724725.1	N/A
PDT000904463.1	SAMN13622085	SAMN13622085	SRR10728160	GCA 015724745.1	N/A
PDT000904464.1	SAMN13622084	SAMN13622084	SRR10728161	GCA 015724755.1	N/A
PDT000904465.1	SAMN13622086	SAMN13622086	SRR10728159	GCA 015724765.1	N/A
PDT000904466.1	SAMN13622083	SAMN13622083	SRR10728162	GCA 015724805.1	N/A
PDT000904469.1	SAMN13622079	SAMN13622079	SRR10728166	GCA 015724855.1	N/A
PDT000904470.1	SAMN13622080	SAMN13622080	SRR10728165	GCA 015724885.1	N/A
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PDT000904472.1	SAMN13622078	SAMN13622078	SRR10728167	GCA 015724915.1	N/A
PDT000904473.1	SAMN13622076	SAMN13622076	SRR10728170	GCA 015724935.1	N/A
PDT000904474.1	SAMN13622075	SAMN13622075	SRR10728171	GCA 015724965.1	N/A
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PDT000904477.1	SAMN13622071	SAMN13622071	SRR10728175	GCA 015725005.1	N/A
PDT000904478.1	SAMN13622073	SAMN13622073	SRR10728173	GCA 015725025.1	N/A
PDT000904479.1	SAMN13622069	SAMN13622069	SRR10728177	GCA 015725075.1	N/A
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PDT000904481.1	SAMN12220534	SAMN12220534	SRR9647400	GCA 015725115.1	N/A
PDT000904482.1	SAMN12220535	SAMN12220535	SRR9647393	GCA 015725125.1	N/A
PDT000904483.1	SAMN12220536	SAMN12220536	SRR9647394	GCA 015725105.1	N/A
PDT000904484.1	SAMN12220533	SAMN12220533	SRR9647399	GCA 015725165.1	N/A
PDT000904485.1	SAMN12220532	SAMN12220532	SRR9647398	GCA 015725175.1	N/A
PDT000904487.1	SAMN12220529	SAMN12220529	SRR9647403	GCA 015725225.1	N/A
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PDT000904515.1	SAMN12220502	SAMN12220502	SRR9647375	GCA 015725765.1	N/A
PDT000904516.1	SAMN12220501	SAMN12220501	SRR9647376	GCA 015725805.1	N/A
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PDT000904519.1	SAMN12220499	SAMN12220499	SRR9647374	GCA 015725845.1	N/A
PDT000904520.1	SAMN12220500	SAMN12220500	SRR9647373	GCA 015725865.1	N/A
PDT000904523.1	SAMN12220490	SAMN12220490	SRR9647293	GCA 015725945.1	N/A
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PDT000904531.1	SAMN12220486	SAMN12220486	SRR9647591	GCA 015726085.1	N/A
PDT000904533.1	SAMN12220484	SAMN12220484	SRR9647593	GCA 015726145.1	N/A
PDT000904534.1	SAMN12220481	SAMN12220481	SRR9647596	GCA 015726175.1	N/A
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PDT000904536.1	SAMN12220483	SAMN12220483	SRR9647594	GCA 015726215.1	N/A
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PDT000904539.1	SAMN11285111	SAMN11285111	SRR8810183	GCA 015726265.1	N/A
PDT000904540.1	SAMN11285108	SAMN11285108	SRR8810615	GCA 015726285.1	N/A
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PDT000335358.2	SAMN08717692	SAMN08717692	SRR7983665	GCA 003238315.1	PDS000068822.1
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PDT000766264.2	SAMN14906929	SAMN14906929	SRR11787434	GCA 013337865.1	PDS000068961.1
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PDT000083796.2	SAMEA2384383	SAMEA2384383	ERR554306	GCA 001289765.1	PDS000069094.1
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PDT000083802.2	SAMEA2236493	SAMEA2236493	ERR422946	GCA 001289885.1	PDS000069082.1
PDT000083850.2	SAMEA2384847	SAMEA2384847	ERR554769	GCA 001290845.1	PDS000069082.1
PDT000079211.2	SAMEA1324706	SAMEA1324706	ERR134704	GCA 001199775.1	PDS000069266.1
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PDT000790610.2	SAMEA4553059	SAMEA4553059	ERR1891790	GCA 903805145.1	PDS000069393.1
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PDT000790407.2	SAMEA4552971	SAMEA4552971	ERR3012697	GCA 903804285.1	PDS000069398.1
PDT000790466.2	SAMEA4552990	SAMEA4552990	ERR3012716	GCA 903804475.1	PDS000069398.1
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PDT000772336.2	SAMN15215159	SAMN15215159	SRR12000248	GCA 013372705.1	PDS000069494.1
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PDT000069576.2	SAMEA3360373	SAMEA3360373	ERR868120	GCA 001049655.1	PDS000069638.1
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PDT000904391.1	SAMN09400936	SAMN09400936	SRR7297535	GCA 015717155.1	PDS000076908.1
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PDT000811770.1	SAMEA4387275	SAMEA4387275	ERR1789340	GCA 015574915.1	PDS000067897.1
PDT000811798.1	SAMEA4387289	SAMEA4387289	ERR1789368	GCA 015574075.1	PDS000067897.1
PDT000088245.1	SAMEA2493782	SAMEA2493782	ERR493458	GCA 015619605.1	PDS000068045.1
PDT000088255.1	SAMEA2493804	SAMEA2493804	ERR493480	GCA 015619485.1	PDS000068045.1
PDT000184832.1	SAMEA24747418	SAMEA24747418	ERR1753490	GCA 015610385.1	PDS000068054.1
PDT000184833.1	SAMEA24748168	SAMEA24748168	ERR1753491	GCA 015610605.1	PDS000068054.1
PDT000184837.1	SAMEA24751168	SAMEA24751168	ERR1753495	GCA 015610685.1	PDS000068052.1
PDT000184838.1	SAMEA24751918	SAMEA24751918	ERR1753496	GCA 015610665.1	PDS000068052.1
PDT000184846.1	SAMEA24757918	SAMEA24757918	ERR1753504	GCA 015610625.1	PDS000068047.1
PDT000184847.1	SAMEA24758668	SAMEA24758668	ERR1753505	GCA 015610165.1	PDS000068047.1
PDT000184834.1	SAMEA24748918	SAMEA24748918	ERR1753492	GCA 015610245.1	PDS000068053.1
PDT000184835.1	SAMEA24749668	SAMEA24749668	ERR1753493	GCA 015610405.1	PDS000068053.1
PDT000117125.2	SAMEA1464570	SAMEA1464570	ERR118534	GCA 900045095.1	PDS000068049.1
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PDT000813980.1	SAMN12775854	SAMN12775854	SRR10179185	GCA 009463985.1	PDS000068422.1
PDT000813911.1	SAMN12775922	SAMN12775922	SRR10178983	GCA 009462575.1	PDS000068435.1
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PDT000111957.2	SAMEA1464305	SAMEA1464305	ERR129302	GCA 900044495.1	PDS000068438.1
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PDT000476166.2	SAMN10882808	SAMN10882808	SRR8543812	GCA 004208505.1	PDS000068565.1
PDT000476167.2	SAMN10882809	SAMN10882809	SRR8543813	GCA 004208495.1	PDS000068565.1
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PDT000371330.2	SAMD00083564	SAMD00083564	DRR107204	GCA 003420945.1	PDS000068712.1
PDT000371205.2	SAMD00083454	SAMD00083454	DRR107094	GCA 003417405.1	PDS000068713.1
PDT000371325.2	SAMD00083559	SAMD00083559	DRR107199	GCA 003420845.1	PDS000068713.1
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PDT000371204.2	SAMD00083453	SAMD00083453	DRR107093	GCA 003417385.1	PDS000068714.1
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PDT000371193.2	SAMD00083442	SAMD00083442	DRR107082	GCA 003417165.1	PDS000068717.1
PDT000371326.2	SAMD00083560	SAMD00083560	DRR107200	GCA 003420865.1	PDS000068717.1
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PDT000813722.1	SAMN12776111	SAMN12776111	SRR10179119	GCA 009458825.1	PDS000068845.1
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PDT000772488.2	SAMEA103891362	SAMEA103891362	ERR2533593	GCA 903800785.1	PDS000068843.1
PDT000079076.2	SAMEA1324618	SAMEA1324618	ERR134648	GCA 001196895.1	PDS000068837.1
PDT000090466.2	SAMEA1324633	SAMEA1324633	ERR134647	GCA 001352415.1	PDS000068837.1
PDT000090465.2	SAMEA1324628	SAMEA1324628	ERR134676	GCA 001352395.1	PDS000068848.1
PDT000090500.2	SAMEA1324734	SAMEA1324734	ERR134668	GCA 001353095.1	PDS000068848.1
PDT000766290.2	SAMN14906899	SAMN14906899	SRR11787421	GCA 013338385.1	PDS000068999.1
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PDT000813631.1	SAMN12776200	SAMN12776200	SRR10179062	GCA 009457005.1	PDS000069011.1
PDT000813959.1	SAMN12775874	SAMN12775874	SRR10179162	GCA 009463565.1	PDS000069011.1
PDT000084524.2	SAMN03658599	SAMN03658599	SRR2107103	GCA 001297445.1	PDS000069005.1
PDT000084526.2	SAMN03658598	SAMN03658598	SRR2107102	GCA 001297535.1	PDS000069005.1
PDT000079742.2	SAMEA1708818	SAMEA1708818	ERR237631	GCA 001210925.1	PDS000068994.1
PDT000090342.2	SAMEA1463419	SAMEA1463419	ERR302727	GCA 001349475.1	PDS000068994.1
PDT000083719.2	SAMEA2384816	SAMEA2384816	ERR554738	GCA 001288205.1	PDS000069149.1
PDT000083760.2	SAMEA2384832	SAMEA2384832	ERR554754	GCA 001289045.1	PDS000069149.1

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PDT000171067.2	SAMEA3448987	SAMEA3448987	ERR1069840	GCA 900124715.1	PDS000069154.1
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PDT000170974.2	SAMEA3449019	SAMEA3449019	ERR1069872	GCA 900125005.1	PDS000069156.1
PDT000170846.2	SAMEA3448885	SAMEA3448885	ERR1069972	GCA 900125965.1	PDS000069157.1
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PDT000079052.2	SAMEA1324680	SAMEA1324680	ERR134666	GCA 001196415.1	PDS000069275.1
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PDT000078988.2	SAMEA1466484	SAMEA1466484	ERR137910	GCA 001195085.1	PDS000069282.1
PDT000079714.2	SAMEA1466496	SAMEA1466496	ERR302747	GCA 001210325.1	PDS000069282.1
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PDT000078978.2	SAMEA1324671	SAMEA1324671	ERR134831	GCA 001194885.1	PDS000069284.1
PDT000079205.2	SAMEA1324627	SAMEA1324627	ERR134832	GCA 001199655.1	PDS000069284.1
PDT000078989.2	SAMEA1463435	SAMEA1463435	ERR302705	GCA 001195105.1	PDS000069281.1
PDT000079059.2	SAMEA1708703	SAMEA1708703	ERR237619	GCA 001196555.1	PDS000069281.1
PDT000079008.2	SAMEA1324617	SAMEA1324617	ERR134716	GCA 001195485.1	PDS000069277.1
PDT000079147.2	SAMEA1324631	SAMEA1324631	ERR134717	GCA 001198435.1	PDS000069277.1
PDT000132780.2	SAMEA2383913	SAMEA2383913	ERR554122	GCA 900081265.1	PDS000069279.1
PDT000132951.2	SAMEA2384398	SAMEA2384398	ERR554321	GCA 900081685.1	PDS000069279.1
PDT000117259.2	SAMEA1317420	SAMEA1317420	ERR111044	GCA 900041045.1	PDS000069433.1
PDT000772839.2	SAMEA4008581	SAMEA4008581	ERR1723958	GCA 903799845.1	PDS000069433.1
PDT000772830.2	SAMEA4008572	SAMEA4008572	ERR1723949	GCA 903799705.1	PDS000069432.1
PDT000772847.2	SAMEA4008589	SAMEA4008589	ERR1723966	GCA 903799935.1	PDS000069432.1
PDT000132697.2	SAMEA2384225	SAMEA2384225	ERR554149	GCA 900081345.1	PDS000069445.1
PDT000132855.2	SAMEA2384248	SAMEA2384248	ERR554172	GCA 900081335.1	PDS000069445.1
PDT000132858.2	SAMEA2384069	SAMEA2384069	ERR540273	GCA 900080995.1	PDS000069434.1
PDT000132979.2	SAMEA2384085	SAMEA2384085	ERR540289	GCA 900081045.1	PDS000069434.1
PDT000772738.2	SAMEA4008476	SAMEA4008476	ERR1723856	GCA 903798835.1	PDS000069440.1
PDT000772768.2	SAMEA4008508	SAMEA4008508	ERR1723887	GCA 903799105.1	PDS000069440.1
PDT000772875.2	SAMEA4008621	SAMEA4008621	ERR1723996	GCA 903800215.1	PDS000069426.1
PDT000782263.2	SAMEA4008628	SAMEA4008628	ERR1715331	GCA 903800295.1	PDS000069426.1
PDT000782258.2	SAMEA4008623	SAMEA4008623	ERR1723998	GCA 903800245.1	PDS000069425.1
PDT000782266.2	SAMEA4008631	SAMEA4008631	ERR1715334	GCA 903800265.1	PDS000069425.1
PDT000772726.2	SAMEA4008464	SAMEA4008464	ERR1723844	GCA 903798715.1	PDS000069439.1
PDT000772790.2	SAMEA4008532	SAMEA4008532	ERR1723909	GCA 903799365.1	PDS000069439.1
PDT000772872.2	SAMEA4008618	SAMEA4008618	ERR1723993	GCA 903800185.1	PDS000069427.1
PDT000782265.2	SAMEA4008630	SAMEA4008630	ERR1715333	GCA 903800285.1	PDS000069427.1
PDT000170438.2	SAMEA3449106	SAMEA3449106	ERR1070106	GCA 900126765.1	PDS000069578.1
PDT000170618.2	SAMEA3448978	SAMEA3448978	ERR1069831	GCA 900125355.1	PDS000069578.1
PDT000132722.2	SAMEA2384432	SAMEA2384432	ERR554355	GCA 900081765.1	PDS000069579.1
PDT000132740.2	SAMEA2384447	SAMEA2384447	ERR554370	GCA 900081795.1	PDS000069579.1
PDT000132725.2	SAMEA2384343	SAMEA2384343	ERR554267	GCA 900081535.1	PDS000069567.1
PDT000132950.2	SAMEA2383850	SAMEA2383850	ERR554060	GCA 900081285.1	PDS000069567.1
PDT000655909.1	SAMN13687303	SAMN13687303	SRR10842779	GCA 015594105.1	PDS000069849.1
PDT000813681.1	SAMN12776152	SAMN12776152	SRR10179288	GCA 009457995.1	PDS000069849.1
PDT000619010.1	SAMN12768915	SAMN12768915	SRR10127073	GCA 015596205.1	PDS000069861.1
PDT000117472.2	SAMEA1464472	SAMEA1464472	ERR134345	GCA 900042125.1	PDS000069856.1
PDT000118840.2	SAMEA1464628	SAMEA1464628	ERR134344	GCA 900018065.1	PDS000069856.1
PDT000118926.2	SAMEA1317535	SAMEA1317535	ERR107864	GCA 900038875.1	PDS000069845.1
PDT000119318.2	SAMEA1317562	SAMEA1317562	ERR107917	GCA 900044975.1	PDS000069845.1
PDT000822236.1	SAMEA2724992	SAMEA2724992	ERR375867	GCA 015543715.1	PDS000070384.1
PDT000822097.1	SAMN07674932	SAMN07674932	SRR6053689	GCA 015544375.1	PDS000070385.1
PDT000822109.1	SAMN07674917	SAMN07674917	SRR6053701	GCA 015544155.1	PDS000070387.1
PDT000822112.1	SAMN07674916	SAMN07674916	SRR6053704	GCA 015543445.1	PDS000070387.1
PDT000822041.1	SAMN07674930	SAMN07674930	SRR6053633	GCA 015545635.1	PDS000070386.1
PDT000822043.1	SAMN07674931	SAMN07674931	SRR6053635	GCA 015545555.1	PDS000070386.1
PDT000904333.1	SAMN09401000	SAMN09401000	SRR7296880	GCA 015715975.1	PDS000076927.1
PDT000904643.1	SAMN10435776	SAMN10435776	SRR8199131	GCA 015728415.1	PDS000076927.1
PDT000904599.1	SAMN11285049	SAMN11285049	SRR8810629	GCA 015727535.1	PDS000076924.1

PDT000904615.1	SAMN10435802	SAMN10435802	SRR8199306	GCA 015727835.1	PDS000076924.1
PDT000904339.1	SAMN09400990	SAMN09400990	SRR7297472	GCA 015716125.1	PDS000076925.1
PDT000904340.1	SAMN09400991	SAMN09400991	SRR7297475	GCA 015716135.1	PDS000076925.1
PDT000904646.1	SAMN09401106	SAMN09401106	SRR7297363	GCA 015728495.1	PDS000076926.1
PDT000904676.1	SAMN09401077	SAMN09401077	SRR7297178	GCA 015729075.1	PDS000076926.1
PDT000904542.1	SAMN11285106	SAMN11285106	SRR8810058	GCA 015726325.1	PDS000076929.1
PDT000904588.1	SAMN11285064	SAMN11285064	SRR8810454	GCA 015727315.1	PDS000076929.1
PDT000904416.1	SAMN09400912	SAMN09400912	SRR7296996	GCA 015717665.1	PDS000076923.1
PDT000904640.1	SAMN10435774	SAMN10435774	SRR8199653	GCA 015728355.1	PDS000076923.1
PDT000904638.1	SAMN10435782	SAMN10435782	SRR8199064	GCA 015728305.1	PDS000076935.1
PDT000904674.1	SAMN09401079	SAMN09401079	SRR7297429	GCA 015729045.1	PDS000076935.1
PDT000904505.1	SAMN12220514	SAMN12220514	SRR9647734	GCA 015725585.1	PDS000076934.1
PDT000904509.1	SAMN12220509	SAMN12220509	SRR9647729	GCA 015725665.1	PDS000076934.1
PDT000904496.1	SAMN12220521	SAMN12220521	SRR9647548	GCA 015725405.1	PDS000076933.1
PDT000904499.1	SAMN12220517	SAMN12220517	SRR9647544	GCA 015725475.1	PDS000076933.1



**Table S4. Isolate genome sequencing data for SNP analysis.** These are the genomes which were analyzed for SNP content and cluster specificity analysis in Figures 3, 4, and Supplementary Figures 2-20.



Table S5, continued																				
Patient	Day_of_study	Sodium Fusidate*	Ciprofloxacin	Clindamycin	Daptomycin	Erythromycin	Gentamicin	Inducible clindamycin	Levofloxacin	Linezolid	Minocycline	Moxifloxacin	Oxacillin\cephalosporins	Penicillin G	Rifampin	Tetracycline	Tigecycline	Trimethoprim/sulfamethoxazole	Vancomycin	Cefaroline
14	361	S<=0.5	S<=0.5	S0.25	S0.25	R>=8	S<=0.5	S	S<=0.12	S2	S<=0.5	S<=0.25	R>=4	R>=0.5	S<=0.5	S<=1	S<=0.12	S<=10	S<=0.5	S0.5
14	340	S<=0.5	S<=0.5	S0.25	S0.5	R>=8	S<=0.5	S	S<=0.12	S2	S<=0.5	S<=0.25	R>=4	R>=0.5	S<=0.5	S<=1	S<=0.12	S<=10	S<=0.5	S0.5
15	242	R8	S<=0.5	S0.25	S0.25	S<=0.25	R>=16	S	S0.25	S2	S<=0.5	S<=0.25	R2	R>=0.5	S<=0.5	S<=1	S<=0.12	S<=10	S<=0.5	S0.5
15	221	R8	S<=0.5	S0.25	S0.25	S<=0.25	R>=16	S	S<=0.12	S2	S<=0.5	S<=0.25	R0.5	R>=0.5	S<=0.5	S<=1	S<=0.12	S<=10	S<=0.5	S0.25
16	220	R8	S<=0.5	S0.25	S0.25	S<=0.25	R>=16	S	S0.25	S2	S<=0.5	S<=0.25	R2	R>=0.5	S<=0.5	S<=1	S<=0.12	S<=10	S<=0.5	S0.5
17	215	S<=0.5	S<=0.5	S0.25	S0.5	R>=8	S<=0.5	S	S0.25	S2	S<=0.5	S<=0.25	R>=4	R>=0.5	S<=0.5	S<=1	S<=0.12	S<=10	S<=0.5	S0.5
17	221	S<=0.5	S<=0.5	S0.25	S0.25	R>=8	S<=0.5	S	S0.25	S2	S<=0.5	S<=0.25	R>=4	R>=0.5	S<=0.5	S<=1	S<=0.12	S<=10	S<=0.5	S0.5
18	375	S<=0.5	I2	R0.25	S1	R>=8	S<=0.5	R	S1	S2	S<=0.5	S<=0.25	R>=4	R>=0.5	S<=0.5	S<=1	S<=0.12	S<=10	S1	S0.5
19	438	S<=0.5	R>=8	S0.25	S0.5	R>=8	S<=0.5	S	R4	S2	S<=0.5	I1	R>=4	R>=0.5	S<=0.5	S<=1	S<=0.12	S<=10	S1	S0.5
20	480	S<=0.5	S<=0.5	S0.25	S0.25	R>=8	S<=0.5	S	S<=0.12	S2	S<=0.5	S<=0.25	R>=4	R>=0.5	S<=0.5	S<=1	S<=0.12	S<=10	S1	S0.25
21	508	S<=0.5	S<=0.5	S0.25	S0.25	R>=8	S<=0.5	S	S<=0.12	S2	S<=0.5	S<=0.25	R>=4	R>=0.5	S<=0.5	S<=1	S<=0.12	S<=10	S1	S0.25
22	550	S<=0.5	S<=0.5	S0.25	S0.25	S<=0.25	S<=0.5	S	S0.25	S2	S<=0.5	S<=0.25	R>=4	R>=0.5	S<=0.5	S<=1	S<=0.12	S<=10	S1	S0.25

**Table S5. Antibiotic resistance levels.** Blank cells were not tested. “R” stands for a call of resistant, “S” stands for a call of susceptible, and “I” stands for intermediate resistance, determinations which were made according to CLSI guidelines. Minimum inhibitory concentrations are given in µg/ml and were determined by VITEK 2 except for sodium fusidate (\*), for which the minimum inhibitory concentration was determined by broth microdilution.