

Supplementary Material

Stochastic process

A stochastic (or random) process is a family of random variables $\{X(t); t \in T\}$ indexed by a parameter t . To properly define a stochastic process, we need to specify the state space S , the index parameter T and the dependence relations among the random variables $X(t)$.

The state space S is the space in which all possible values of random variables $X(t)$ lie. If $S = \mathbb{N}_0 = \{0, 1, 2, \dots\}$, then we call $X(t)$ a discrete state process. If $S = \mathbb{R}$, then $X(t)$ is a real-valued stochastic process. As with the codomain of any function, S is not uniquely defined but usually the appropriate choice for S is obvious.

The index $t, t \in T$ is usually interpreted as time parameter of the process and T is the set of all times in which we observe the stochastic process. If $T = \{0, 1, 2, \dots\}$, then $X(t)$ is a discrete time stochastic process. In this case, we often write X_n instead of $X(t)$. If $T = [0, \infty)$, then $X(t)$ is called a continuous time process.

Poisson process

Homogenous Poisson process A homogenous Poisson process with rate λ is a stochastic process $\{X(t); t \geq 0\}$ on the nonnegative integers which has the following properties:

- $X(0) = 0$.
- $\{X(t)\}$ has independent increments, that is, for every pair of disjoint time intervals $[t_1, t_2]$, $[t_1, t_2]$, with $t_1 \leq t_2 < t_3 \leq t_4$, the increments $X(t_4) - X(t_3)$ and $X(t_2) - X(t_1)$ are independent random variables.
- $P(X(t+h) - X(t) = 0) = 1 - \lambda h + o(h)$ as $h \downarrow 0$ ($x = 0, 1, 2, \dots$).
- $P(X(t+h) - X(t) = 1) = \lambda h + o(h)$ as $h \downarrow 0$.
- $P(X(t+h) - X(t) \geq 2) = o(h)$ as $h \downarrow 0$.

Notice that we say that an arbitrary function $f \in o(h)$ if $\lim_{h \downarrow 0} \frac{f(h)}{h} \rightarrow 0$.

Inhomogeneous Poisson process If instead of a constant, $\lambda(t) : [0, \infty) \rightarrow [0, \infty)$ is an integrable function, then we get an inhomogeneous (or nonhomogeneous) Poisson process. All of the properties (a)-(e) still hold replacing λ with $\lambda(t)$ as does the following relation

$$X(t+h) - X(t) \sim \text{Poisson} \left(\int_t^{t+h} \lambda(\alpha) d\alpha \right). \quad (1)$$

Poisson Log-Normal RSA

The protein domain RSA has been fitted with a Poisson Log-Normal distribution, which is a Poisson distribution with rate $\lambda(x)$ distributed according to a Log-Normal:

$$\lambda(x) = \text{Log-Normal}(x) = \frac{1}{x\sigma\sqrt{2\pi}} e^{-\frac{(\ln(x)-\mu)^2}{2\sigma^2}}, \quad (2)$$

According to Engen and Lande's model, the parameters of the Log-Normal distribution are $\mu = r/\gamma$ and $\sigma^2 = \sigma_e^2/2\gamma$, where: i) r is the constant growth rate of individuals within a protein domain family (see equation (2) of the main text) and can be expressed as the difference between the birth and the death rate $r = b - d$; ii) γ is the Gompertzian constant that appears in the Gompertzian density regulation function $g(x) = \gamma \ln(x + \varepsilon)$; iii) σ_e^2 is the environmental stochasticity.

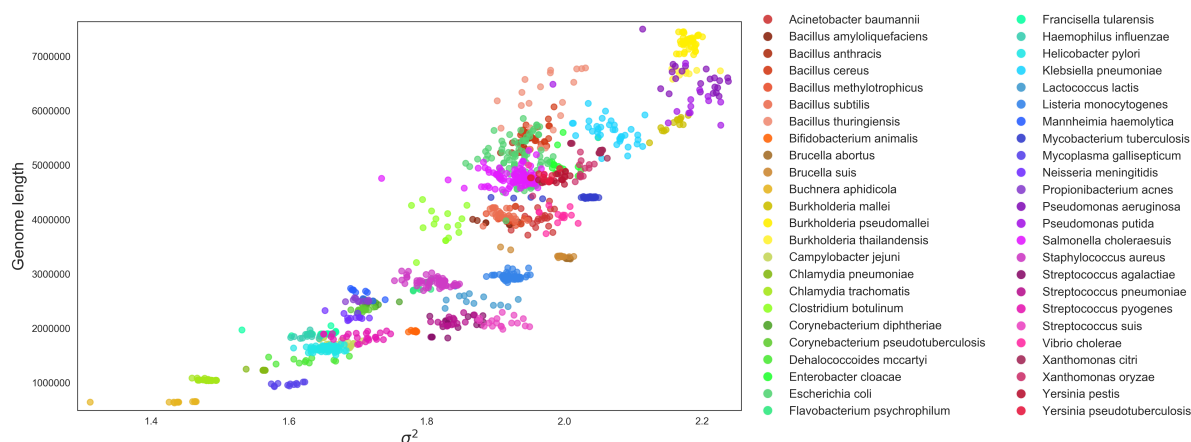


Figure S1. Scatter plot of bacterial genome length versus Poisson Log-Normal parameter σ^2 obtained fitting the protein domains RSAs. Figure shows only those species which are represented with at least 10 different strains in our dataset. There are in total 1173 bacteria which belong to 48 different species. Different colors represent different strains, as indicated in the legend.

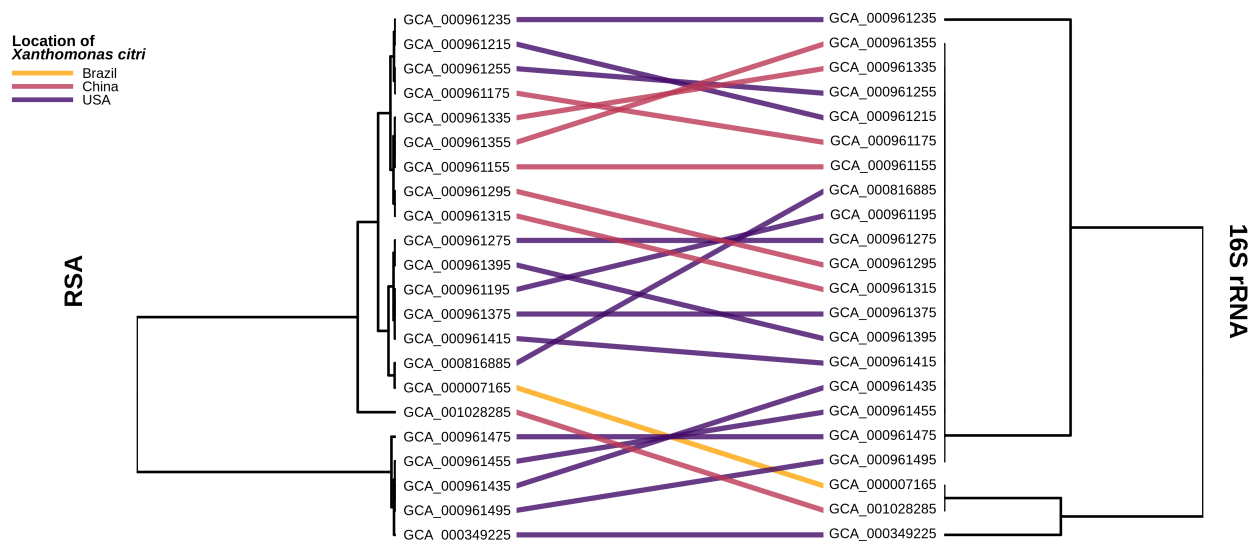


Figure S2. Hierarchical clustering of 22 strains of *Xanthomonas citri*, by RSA method (left) and based on 16S rRNA gene (right). The strains have different origin: Brazil (yellow), China (magenta) and USA (violet).

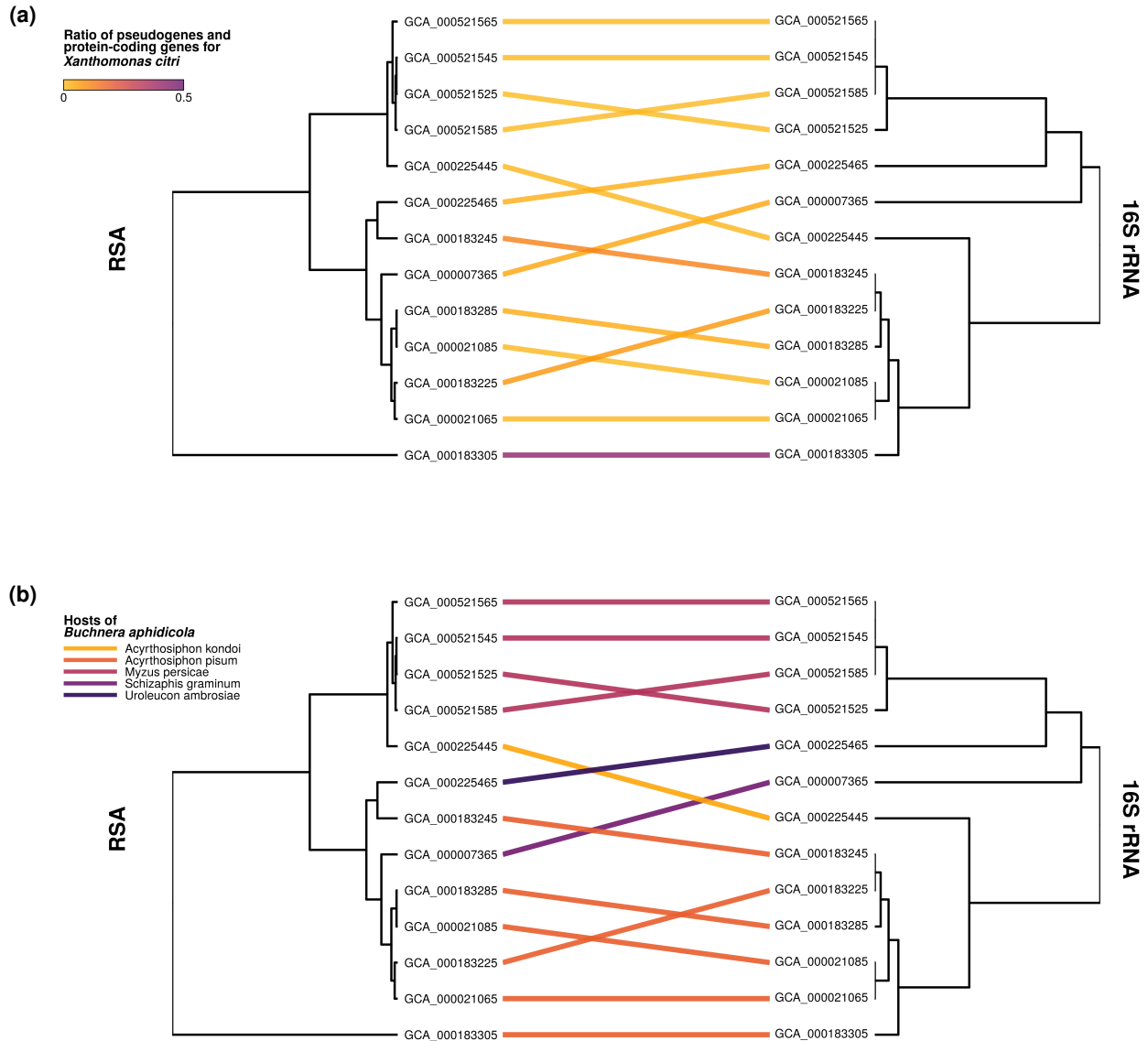


Figure S3. Hierarchical clustering of 13 strains of *Buchnera aphidicola*, by RSA method (left) and based on 16S rRNA gene (right). **(a)** Strains are colored by the ratio between number of pseudogenes and protein-coding genes. We notice that 12 stains have relatively low ratio while strain GCA.000183305 has ratio equal to 0.429. **(b)** 13 strains have different aphid hosts: *Acyrtosiphon kondoi* (yellow), *Acyrtosiphon pisum* (orange), *Myzus persicae* (magenta), *Schizaphis graminum* (violet) and *Uroleucon ambrosiae* (navy).

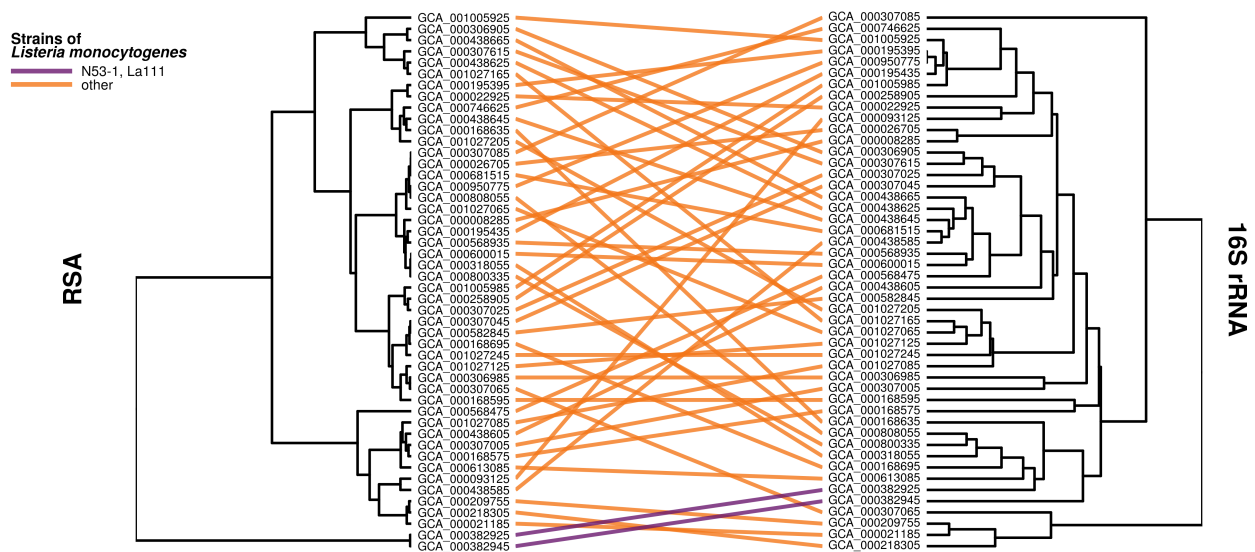


Figure S4. Hierarchical clustering of 48 strains of *Listeria monocytogenes*, by RSA method (*left*) and based on 16S rRNA gene (*right*). RSA method identifies a separate cluster of two strains: N53-1 (GCA_000382945) and La111 (GCA_000382925) (*violet*).

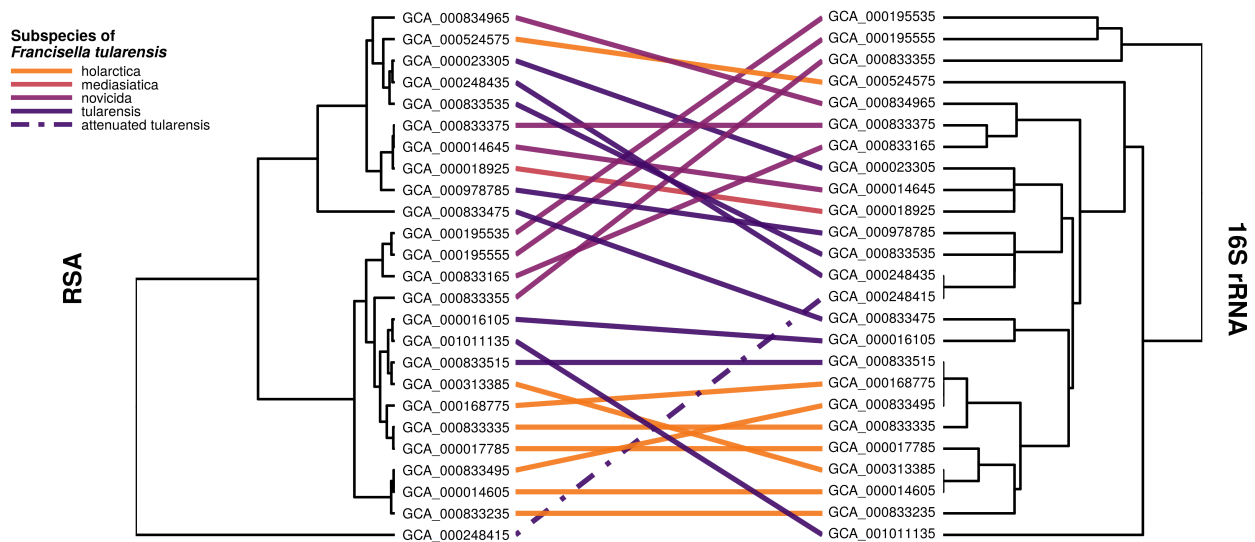
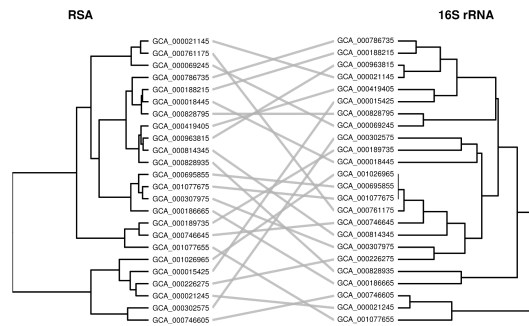
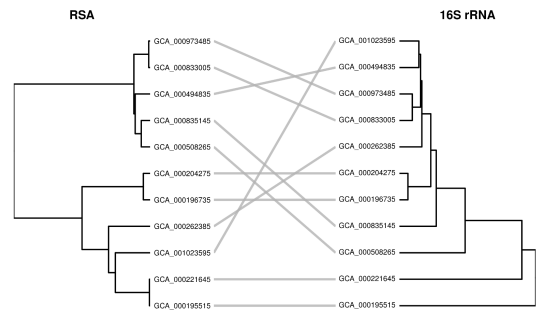


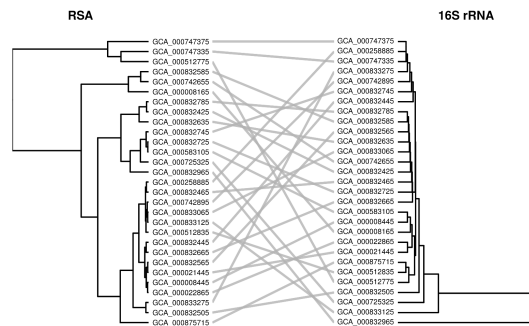
Figure S5. Hierarchical clustering of 25 strains of *Francisella tularensis*, by RSA method (*left*) and based on 16S rRNA gene (*right*). The strains belong to different subspecies: *holarctica* (yellow), *mediasiatica* (orange), *novicida* (magenta) and *tularensis* (violet). Strain TIGB03 (GCA_000248415) (*dashed violet*) is an attenuated *tularensis* strain. More precisely, it is an attenuated O-antigen mutant of virulent strain TI0902 (GCA_000248435).



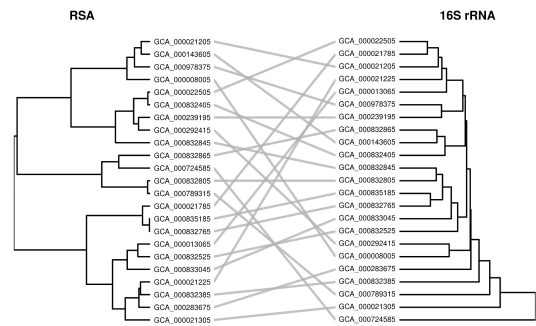
Strains of *Acinetobacter baumannii*



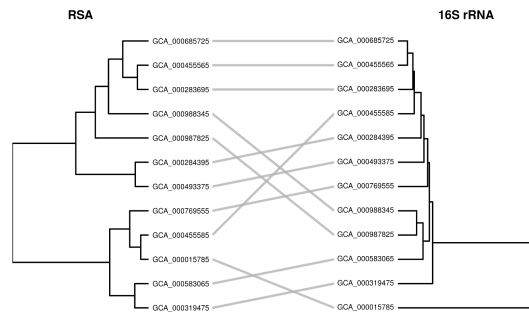
Strains of *Bacillus amyloliquefaciens*



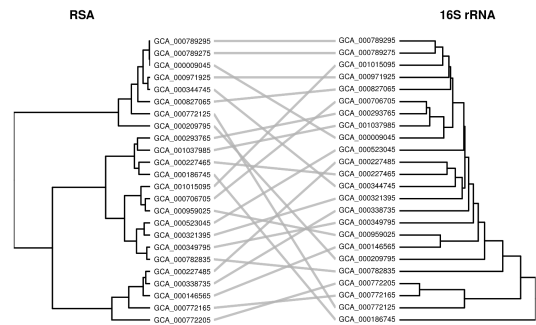
Strains of *Bacillus anthracis*



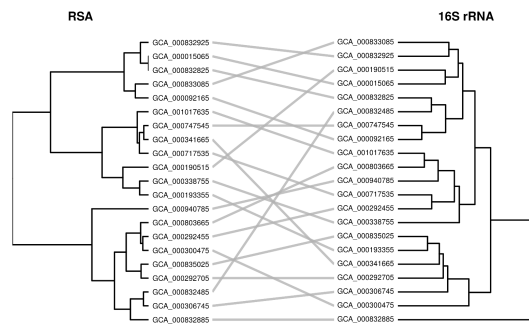
Strains of *Bacillus cereus*



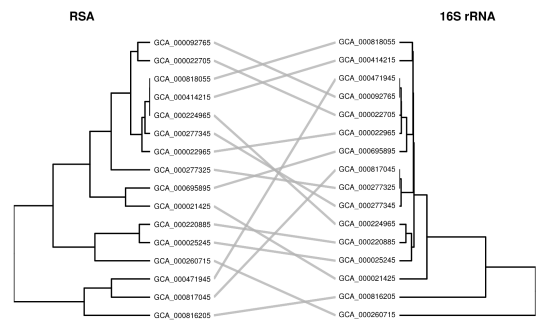
Strains of *Bacillus methylotrophicus*



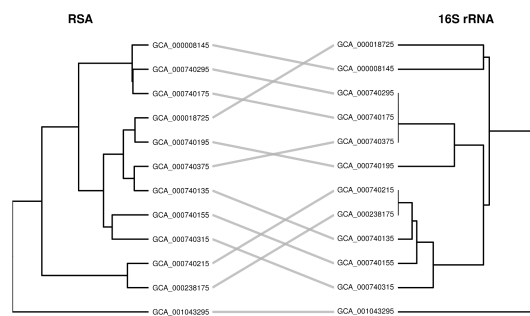
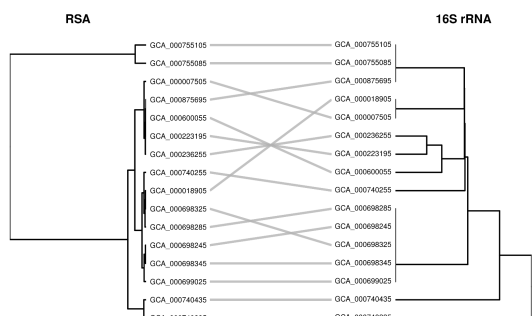
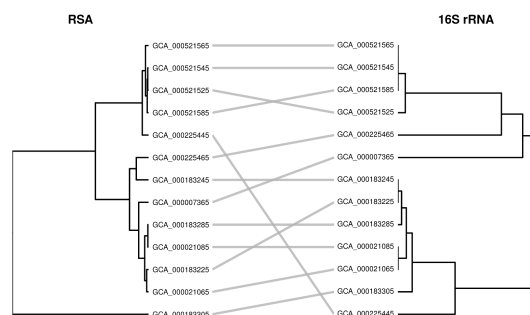
Strains of *Bacillus subtilis*



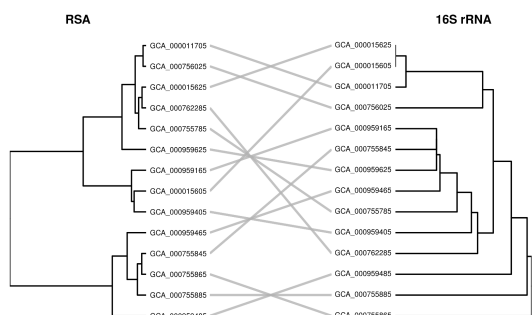
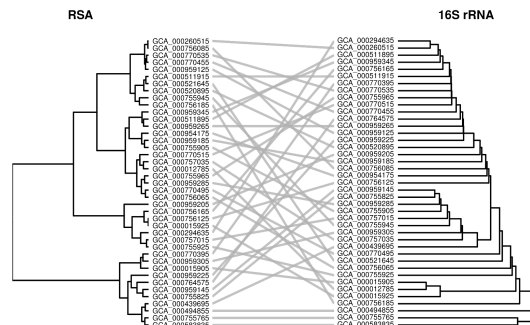
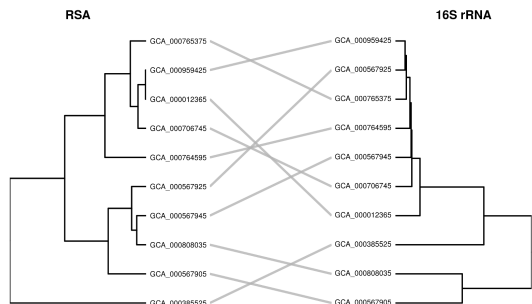
Strains of *Bacillus thuringiensis*



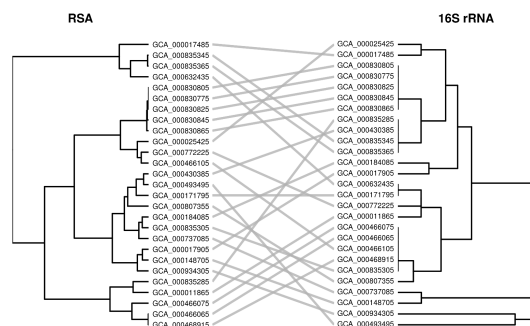
Strains of *Bifidobacterium animalis*

Strains of *Brucella abortus*Strains of *Brucella suis*

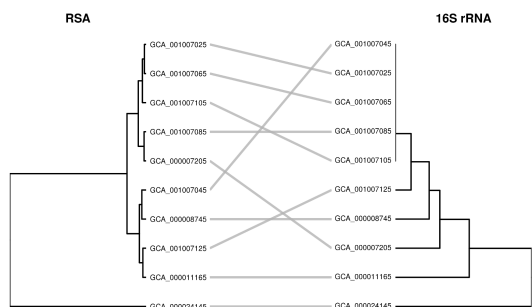
Strains of *Buchnera aphidicola*

Strains of *Burkholderia mallei*Strains of *Burkholderia pseudomallei*

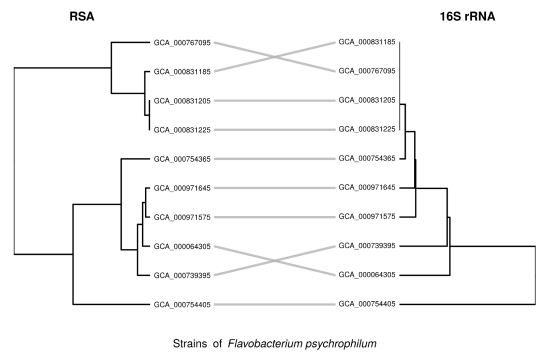
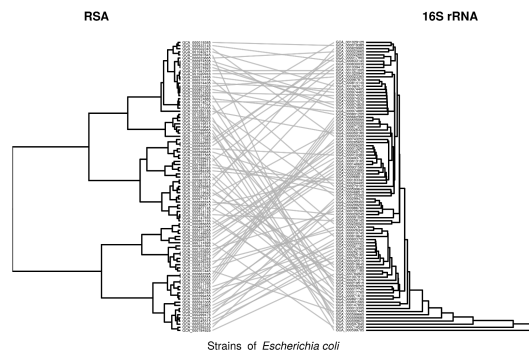
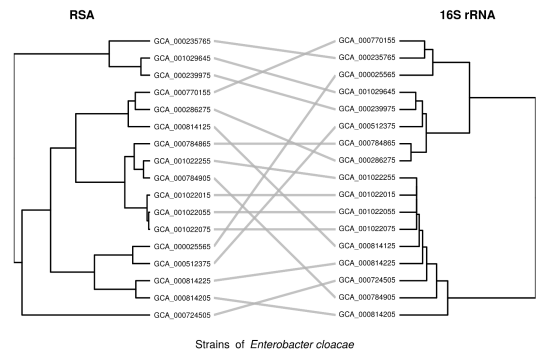
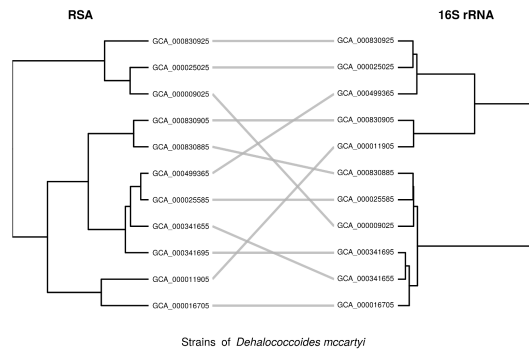
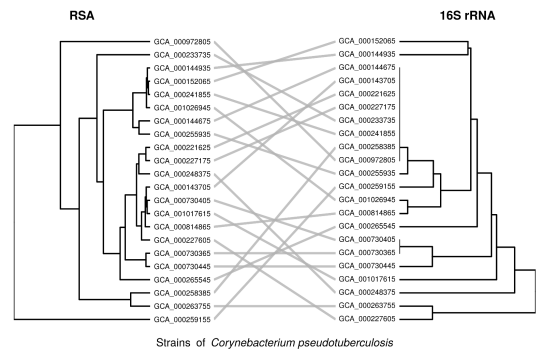
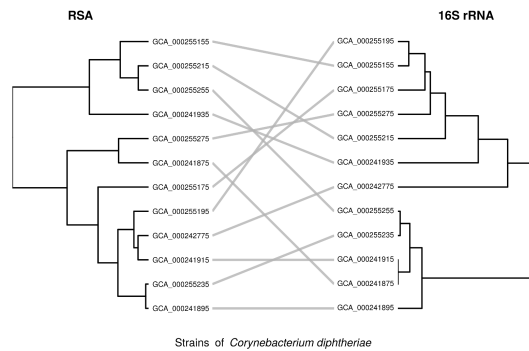
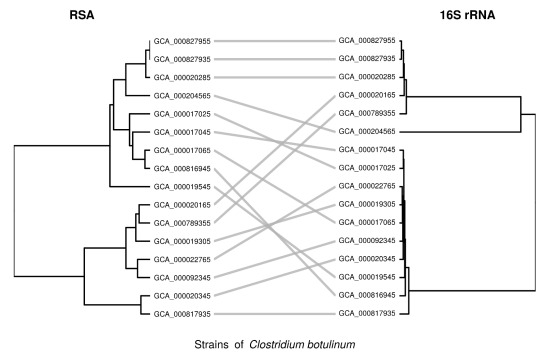
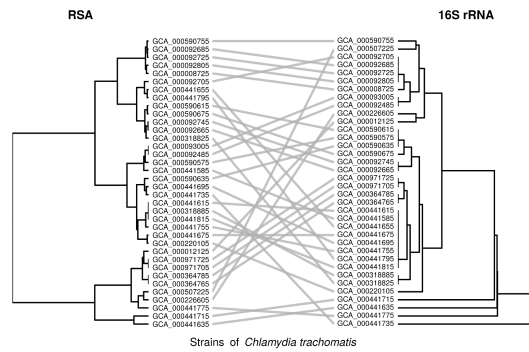
Strains of *Burkholderia thailandensis*

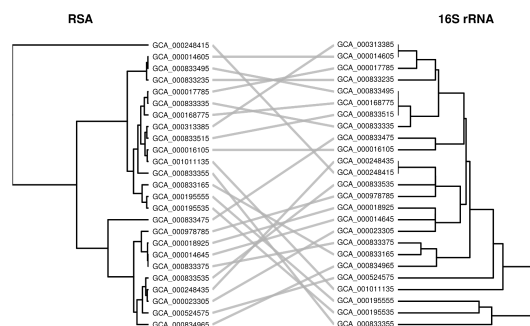


Strains of *Campylobacter jejuni*

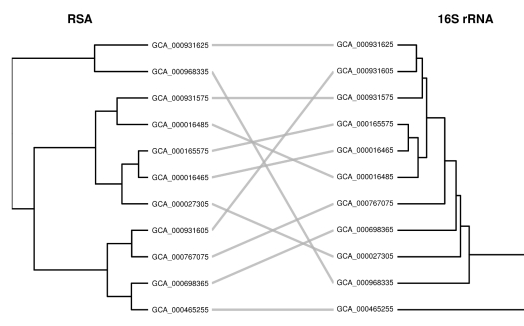


Strains of *Chlamydia pneumoniae*

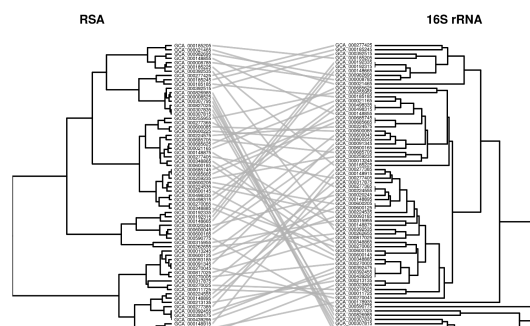




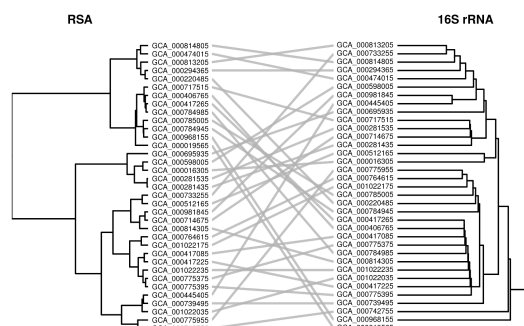
Strains of *Francisella tularensis*



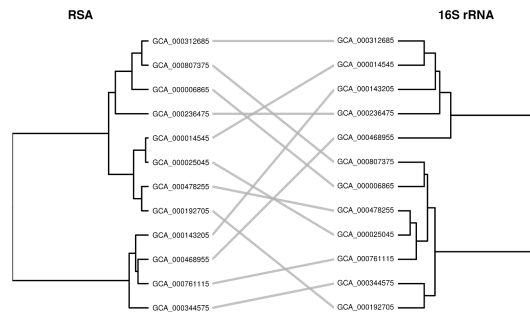
Strains of *Haemophilus influenzae*



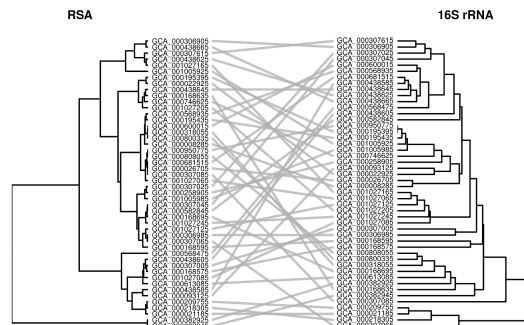
Strains of *Helicobacter pylori*



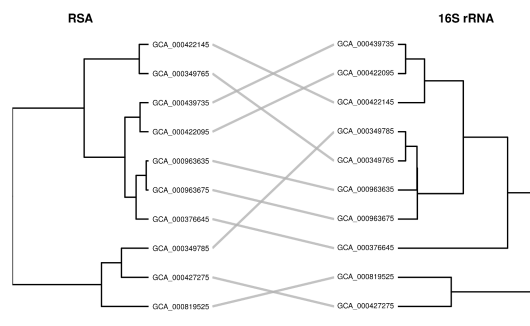
Strains of *Klebsiella pneumoniae*



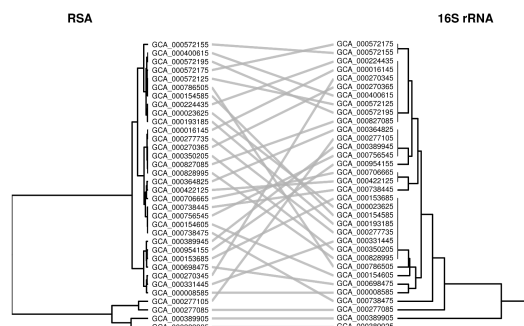
Strains of *Lactococcus lactis*



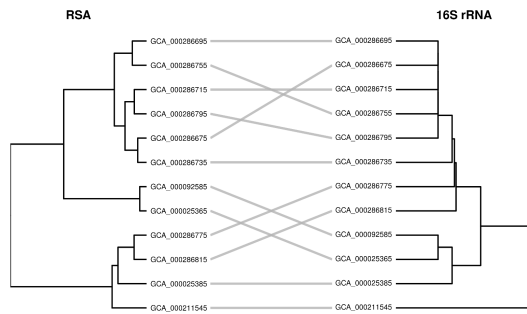
Strains of *Listeria monocytogenes*



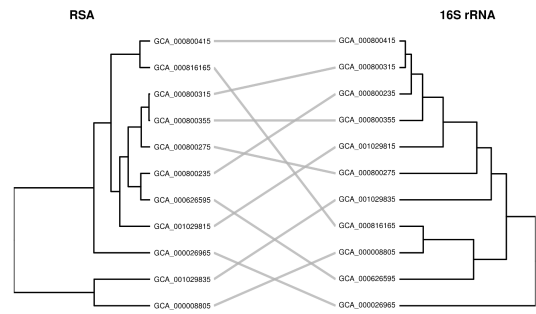
Strains of *Mannheimia haemolytica*



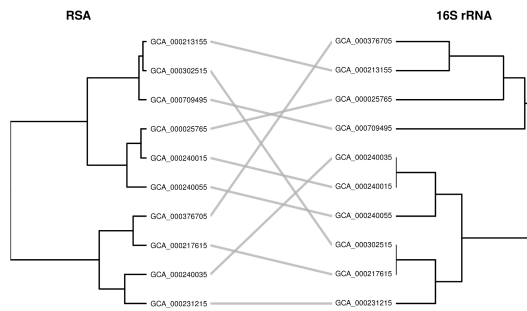
Strains of *Mycobacterium tuberculosis*



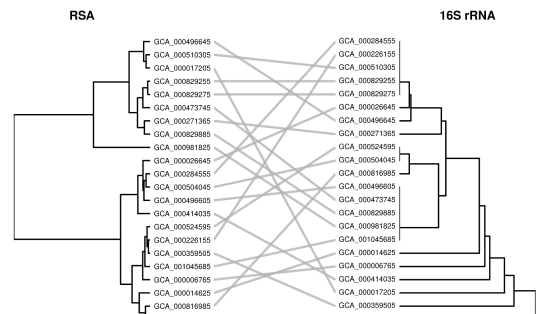
Strains of *Mycoplasma gallisepticum*



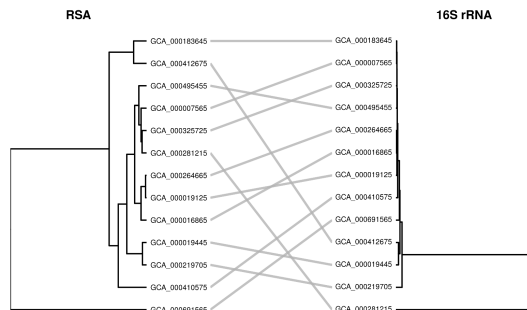
Strains of *Neisseria meningitidis*



Strains of *Propionibacterium acnes*



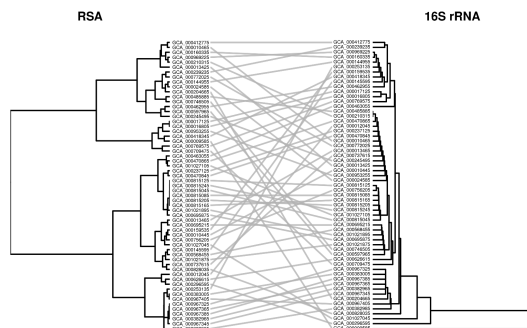
Strains of *Pseudomonas aeruginosa*



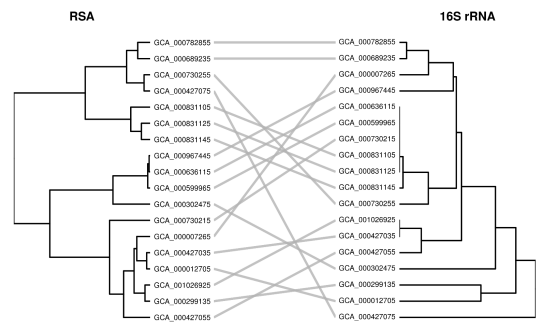
Strains of *Pseudomonas putida*



Strains of *Salmonella choleraesuis*



Strains of *Staphylococcus aureus*



Strains of *Streptococcus agalactiae*

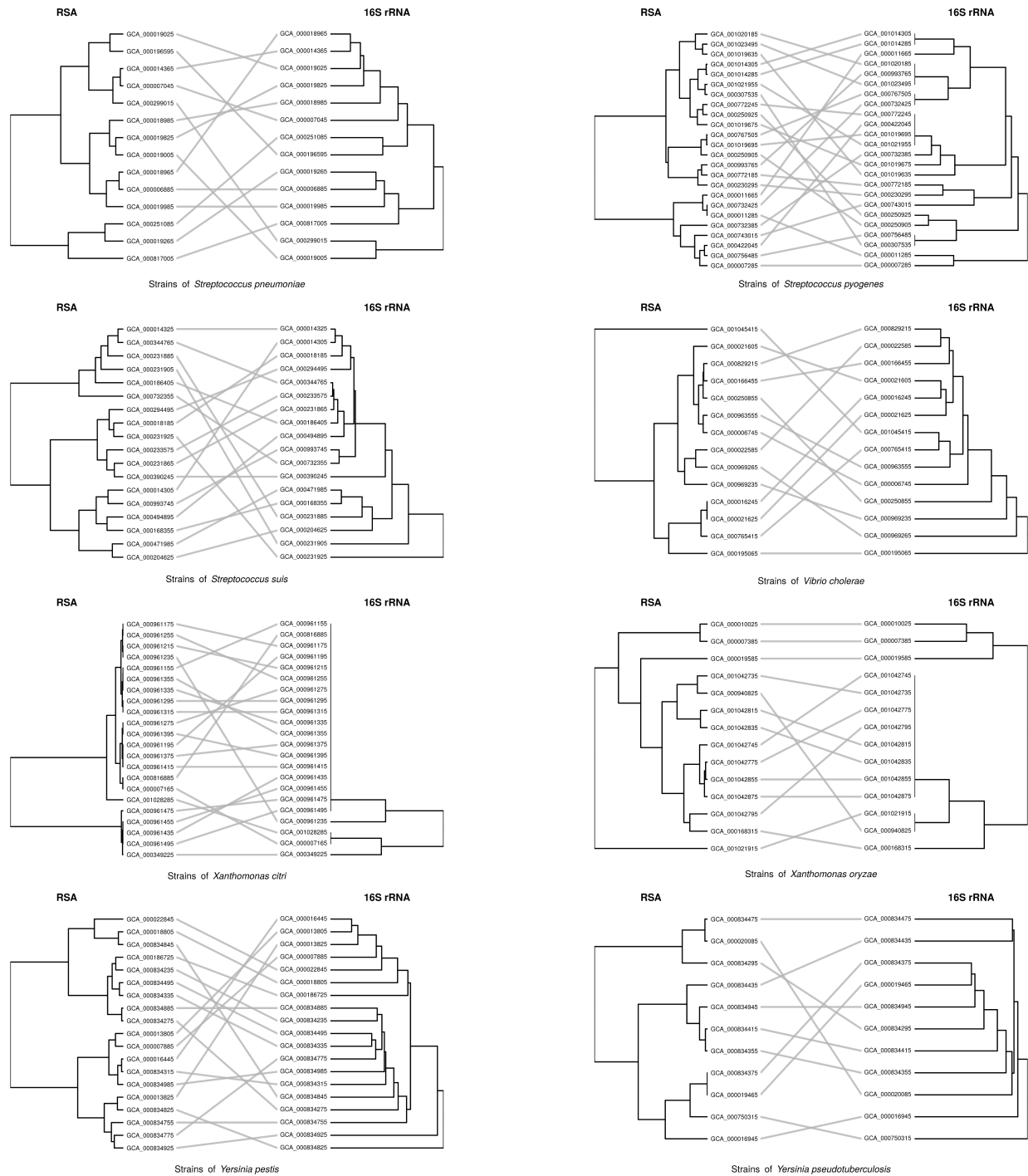


Figure S6. Hierarchical clustering of strains from all the species considered in the analysis.

Data availability - accession numbers

We here provide the list of accession numbers (GeneBank IDs) of the datasets analysed in this study:

GCA_000005825 – 2.CP001878 – CP001880, GCA_000006625 – 1.AF222894, GCA_000006725 – 1.AE003849 – AE003851, GCA_000006745 – 1.AE003852 – AE003853, GCA_000006765 – 1.AE004091, GCA_000006825 – 1.AE004439, GCA_000006845 – 1.AE004969, GCA_000006865 – 1.AE005176, GCA_000006885 – 1.AE005672, GCA_000006905 – 1.AE005673, GCA_000006945 – 1.AE006471, GCA_000006985 – 1.AE006470, GCA_000007025 – 1.AE006914, GCA_000007045 – 1.AE007317, GCA_000007085 – 1.AE008691, GCA_000007105 – 1.AE008692, GCA_000007125 – 1.AE008917 – AE008918, GCA_000007145 – 1.AE008922, GCA_000007165 – 1.AE008923 – AE008925, GCA_000007205 – 1.AE009440, GCA_000007245 – 1.AE009442 – AE009443, GCA_000007265 – 1.AE009948, GCA_000007285 – 1.AE009949, GCA_000007325 – 1.AE009951, GCA_000007365 – 1.AE013218, GCA_000007385 – 1.AE013598, GCA_000007405 – 1.AE014073, GCA_000007445 – 1.AE014075, GCA_000007465 – 2.AE014133, GCA_000007485 – 1.AE014184, GCA_000007505 – 1.AE014291 – AE014292, GCA_000007545 – 1.AE014613, GCA_000007565 – 1.AE015451, GCA_000007585 – 1.AE015924, GCA_000007605 – 1.AE015925 – AE015926, GCA_000007645 – 1.AE015929 – AE015935, GCA_000007665 – 1.AE016822, GCA_000007685 – 1.AE016823 – AE016824, GCA_000007705 – 1.AE016825, GCA_000007745 – 1.AE016827, GCA_000007765 – 1.AE016828 – AE016829, GCA_000007785 – 1.AE016830 – AE016833, GCA_000007805 – 1.AE016853 – AE016855, GCA_000007865 – 1.AE016958, GCA_000007885 – 1.AE017042 – AE017046, GCA_000007905 – 1.AE017125, GCA_000007925 – 1.AE017126, GCA_000007945 – 1.AE017143, GCA_000008005 – 1.AE017194 – AE017195, GCA_000008025 – 1.AE017196, GCA_000008045 – 1.AE017197, GCA_000008125 – 1.AE017221 – AE017222, GCA_000008145 – 1.AE017223 – AE017224, GCA_000008165 – 1.AE017225, GCA_000008185 – 1.AE017226, GCA_000008205 – 1.AE017243, GCA_000008225 – 1.AE017244, GCA_000008245 – 1.AE017245, GCA_000008285 – 1.AE017262, GCA_000008305 – 1.AE017263, GCA_000008325 – 1.AE017282, GCA_000008365 – 1.AE017308, GCA_000008385 – 1.AE017321, GCA_000008405 – 1.AE017332, GCA_000008445 – 1.AE017334 – AE017336, GCA_000008465 – 1.AE017340, GCA_000008485 – 1.AE017354, GCA_000008525 – 1.AE000511, GCA_000008545 – 1.AE000512, GCA_000008585 – 1.AE000516, GCA_000008605 – 1.AE000520, GCA_000008725 – 1.AE001273, GCA_000008745 – 1.AE001363, GCA_000008765 – 1.AE001437 – AE001438, GCA_000008785 – 1.AE001439, GCA_000008805 – 1.AE002098, GCA_000008885 – 1.BA000021, GCA_000008925 – 1.AF488831 – AF488832, GCA_000009025 – 1.AJ965256, GCA_000009045 – 1.AL009126, GCA_000009125 – 1.AL646052 – AL646053, GCA_000009145 – 1.AL954747, GCA_000009165 – 1.AM039948 – AM039952, GCA_000009305 – 1.AM260522 – AM260523, GCA_000009365 – 1.AM286690, GCA_000009445 – 1.AM408590, GCA_000009585 – 1.AM990992 – AM990995, GCA_000009785 – 1.AP006520, GCA_000009805 – 1.AP006618 – AP006620, GCA_000009845 – 1.AP006628, GCA_000009865 – 1.AP006716 – AP006719, GCA_000009905 – 1.AP006840, GCA_000009925 – 1.AP006841 – AP006842, GCA_000009985 – 1.AP007255, GCA_000010005 – 1.AP007281, GCA_000010025 – 1.AP008229, GCA_000010045 – 1.AP008230, GCA_000010065 – 1.AP008231, GCA_000010085 – 1.AP008232 – AP008235, GCA_000010125 – 1.AP008934 – AP008936, GCA_000010145 – 1.AP008937, GCA_000010165 – 1.AP008955, GCA_000010185 – 1.AP008971 – AP008972, GCA_000010205 – 1.AP008981, GCA_000010225 – 1.AP009044 – AP009045, GCA_000010265 – 1.AP009049 – AP009050, GCA_000010285 – 1.AP009152, GCA_000010305 – 1.AP009153, GCA_000010365 – 1.AP009180, GCA_000010385 – 1.AP009240 – AP009246, GCA_000010405 – 1.AP009247, GCA_000010425 – 1.AP009256, GCA_000010445 – 1.AP009324, GCA_000010465 – 1.AP009351, GCA_000010485 – 1.AP009378 – AP009379, GCA_000010505 – 1.AP009380, GCA_000010525 – 1.AP009384, GCA_000010565 – 1.AP009389, GCA_000010585 – 1.AP009484 – AP009492, GCA_000010605 – 1.AP009493, GCA_000010625 – 1.AP009552, GCA_000010645 – 1.AP010656 – AP010660, GCA_000010665 – 1.AP010904 – AP010906, GCA_000010725 – 1.AP010946 – AP010952, GCA_000010745 – 1.AP010958 – AP010959, GCA_000010785 – 1.AP011112, GCA_000010805 – 1.AP011115 – AP011120, GCA_000010825 – 1.AP011121 – AP011127, GCA_000010845 – 1.AP011128 – AP011134, GCA_000010865 – 1.AP011135 – AP011141, GCA_000010885 – 1.AP011142 – AP011148, GCA_000010905 – 1.AP011149 – AP011155, GCA_000010925 – 1.AP011156 – AP011162, GCA_000010945 – 1.AP011163 – AP011169, GCA_000010965 – 1.AP011170 – AP011176, GCA_000011025 – 1.AP011540, GCA_000011045 – 1.AP011548, GCA_000011145 – 1.BA000004, GCA_000011165 – 1.BA000008, GCA_000011225 – 1.BA000026, GCA_000011245 – 1.BA000028, GCA_000011285 – 1.BA000034, GCA_000011325 – 1.BA000036, GCA_000011345 – 1.BA000039, GCA_000011365 – 1.BA000040, GCA_000011385 – 1.BA000045, GCA_000011445 – 1.BX293980, GCA_000011645 – 1.CP000002, GCA_000011665 – 1.CP000003, GCA_000011685 – 1.CP000004 – CP000009, GCA_000011705 – 1.CP000010 – CP000011, GCA_000011725 – 1.CP000012, GCA_000011745 – 1.CP000016, GCA_000011825 – 1.CP000023, GCA_000011845 – 1.CP000024, GCA_000011865 – 1.CP000025, GCA_000011885 – 1.CP000026, GCA_000011905 – 1.CP000027, GCA_000011945 – 1.CP000030, GCA_000011965 – 2.CP000031 – CP000032, GCA_000011985 – 1.CP000033, GCA_000012045 – 1.CP000045 – CP000046, GCA_000012085 – 1.CP000049, GCA_000012105 – 1.CP000050, GCA_000012125 – 1.CP000051 – CP000052, GCA_000012145 – 1.CP000053 – CP000055, GCA_000012205 – 1.CP000058 – CP000060, GCA_000012225 – 1.CP000061 – CP000065, GCA_000012245 – 1.CP000075, GCA_000012265 – 1.CP000076, GCA_000012325 – 1.CP000083, GCA_000012345 – 1.CP000084, GCA_000012365 – 1.CP000085 – CP000086, GCA_000012385 – 1.CP000087, GCA_000012405 – 1.CP000088, GCA_000012425 – 1.CP000089, GCA_000012445 – 1.CP000094, GCA_000012465 – 1.CP000095, GCA_000012485 – 1.CP000096, GCA_000012505 – 1.CP000097, GCA_000012525 – 1.CP000100 – CP000101, GCA_000012565 – 1.CP000107, GCA_000012585 – 1.CP000108, GCA_000012605 –

1.CP000109, GCA_000012625 – 1.CP000110, GCA_000012645 – 1.CP000111, GCA_000012665 – 1.CP000112, GCA_000012685 – 1.CP000113, GCA_000012705 – 1.CP000114, GCA_000012725 – 1.CP000115, GCA_000012745 – 1.CP000116, GCA_000012765 – 1.CP000123, GCA_000012785 – 1.CP000124 – CP000125, GCA_000012805 – 1.CP000126 – CP000127, GCA_000012825 – 1.CP000139, GCA_000012845 – 1.CP000140, GCA_000012865 – 1.CP000141, GCA_000012885 – 1.CP000142, GCA_000012925 – 1.CP000148 – CP000149, GCA_000012945 – 1.CP000150 – CP000152, GCA_000012965 – 1.CP000153, GCA_000013005 – 1.CP000157, GCA_000013045 – 1.CP000159 – CP000160, GCA_000013065 – 1.CP000227 – CP000229, GCA_000013085 – 1.CP000230 – CP000231, GCA_000013105 – 1.CP000232, GCA_000013125 – 1.CP000235, GCA_000013145 – 1.CP000236, GCA_000013165 – 1.CP000237, GCA_000013185 – 1.CP000238, GCA_000013205 – 1.CP000239, GCA_000013225 – 1.CP000240, GCA_000013245 – 1.CP000241 – CP000242, GCA_000013265 – 1.CP000243 – CP000244, GCA_000013285 – 1.CP000246, GCA_000013305 – 1.CP000247, GCA_000013345 – 1.CP000249, GCA_000013365 – 1.CP000250, GCA_000013385 – 1.CP000251, GCA_000013405 – 1.CP000252, GCA_000013425 – 1.CP000253, GCA_000013465 – 1.CP000255 – CP000258, GCA_000013565 – 1.CP000264 – CP000265, GCA_000013585 – 1.CP000266, GCA_000013605 – 1.CP000267 – CP000268, GCA_000013625 – 1.CP000269, GCA_000013645 – 1.CP000270 – CP000272, GCA_000013665 – 1.CP000282, GCA_000013685 – 1.CP000283, GCA_000013705 – 1.CP000284, GCA_000013745 – 1.CP000301, GCA_000013765 – 1.CP000302, GCA_000013785 – 1.CP000304, GCA_000013805 – 1.CP000305 – CP000307, GCA_000013825 – 1.CP000308 – CP000311, GCA_000013845 – 1.CP000312 – CP000315, GCA_000013865 – 1.CP000316 – CP000318, GCA_000013885 – 1.CP000319 – CP000322, GCA_000013905 – 1.CP000323 – CP000324, GCA_000013925 – 1.CP000325, GCA_000013945 – 1.CP000348 – CP000349, GCA_000013965 – 1.CP000350 – CP000351, GCA_000013985 – 1.CP000356 – CP000357, GCA_000014005 – 1.CP000360, GCA_000014025 – 1.CP000361, GCA_000014065 – 1.CP000375 – CP000377, GCA_000014085 – 1.CP000378 – CP000380, GCA_000014105 – 1.CP000381, GCA_000014125 – 1.CP000382, GCA_000014145 – 1.CP000383, GCA_000014165 – 1.CP000384 – CP000385, GCA_000014185 – 1.CP000386, GCA_000014205 – 1.CP000387, GCA_000014225 – 1.CP000388, GCA_000014245 – 1.CP000389 – CP000392, GCA_000014265 – 1.CP000393, GCA_000014285 – 1.CP000394, GCA_000014305 – 1.CP000407, GCA_000014325 – 1.CP000408, GCA_000014345 – 1.CP000409, GCA_000014365 – 1.CP000410, GCA_000014385 – 1.CP000411, GCA_000014405 – 1.CP000412, GCA_000014425 – 1.CP000413, GCA_000014445 – 1.CP000414 – CP000415, GCA_000014465 – 1.CP000416 – CP000418, GCA_000014485 – 1.CP000419 – CP000421, GCA_000014505 – 1.CP000422, GCA_000014525 – 1.CP000423 – CP000424, GCA_000014545 – 1.CP000425 – CP000430, GCA_000014565 – 1.CP000431 – CP000434, GCA_000014585 – 1.CP000435, GCA_000014605 – 1.CP000437, GCA_000014625 – 1.CP000438, GCA_000014645 – 1.CP000439, GCA_000014665 – 1.CP000444 – CP000445, GCA_000014685 – 1.CP000446, GCA_000014705 – 1.CP000447, GCA_000014725 – 1.CP000448, GCA_000014745 – 1.CP000449, GCA_000014765 – 1.CP000450 – CP000452, GCA_000014785 – 1.CP000453, GCA_000014805 – 1.CP000462, GCA_000014825 – 1.CP000463, GCA_000014865 – 1.CP000471, GCA_000014905 – 1.CP000473, GCA_000014925 – 1.CP000474 – CP000476, GCA_000014965 – 1.CP000478, GCA_000014985 – 1.CP000479, GCA_000015005 – 1.CP000480, GCA_000015025 – 1.CP000481, GCA_000015045 – 1.CP000482 – CP000484, GCA_000015065 – 1.CP000485 – CP000486, GCA_000015085 – 1.CP000487, GCA_000015105 – 1.CP000488, GCA_000015125 – 1.CP000492, GCA_000015165 – 1.CP000494 – CP000495, GCA_000015185 – 1.CP000503, GCA_000015245 – 1.CP000507, GCA_000015265 – 1.CP000508 – CP000509, GCA_000015285 – 1.CP000510, GCA_000015305 – 1.CP000511, GCA_000015325 – 1.CP000512, GCA_000015345 – 1.CP000513, GCA_000015365 – 1.CP000514 – CP000516, GCA_000015385 – 1.CP000517, GCA_000015405 – 1.CP000518 – CP000520, GCA_000015425 – 1.CP000521 – CP000523, GCA_000015445 – 1.CP000524, GCA_000015485 – 1.CP000527 – CP000528, GCA_000015505 – 1.CP000529 – CP000537, GCA_000015545 – 1.CP000539 – CP000541, GCA_000015565 – 1.CP000542 – CP000543, GCA_000015585 – 1.CP000544, GCA_000015605 – 1.CP000545 – CP000546, GCA_000015625 – 1.CP000547 – CP000548, GCA_000015645 – 1.CP000551, GCA_000015665 – 1.CP000552, GCA_000015685 – 1.CP000553, GCA_000015705 – 1.CP000554, GCA_000015725 – 1.CP000555 – CP000556, GCA_000015745 – 1.CP000557 – CP000558, GCA_000015785 – 1.CP000560, GCA_000015845 – 1.CP000563 – CP000567, GCA_000015865 – 1.CP000568, GCA_000015885 – 1.CP000569, GCA_000015905 – 1.CP000570 – CP000571, GCA_000015925 – 1.CP000572 – CP000573, GCA_000015965 – 1.CP000576, GCA_000015985 – 1.CP000577 – CP000579, GCA_000016005 – 1.CP000580, GCA_000016085 – 1.CP000607, GCA_000016105 – 1.CP000608, GCA_000016145 – 1.CP000611, GCA_000016165 – 1.CP000612, GCA_000016205 – 1.CP000614 – CP000621, GCA_000016245 – 1.CP000626 – CP000627, GCA_000016265 – 1.CP000628 – CP000632, GCA_000016285 – 1.CP000633 – CP000639, GCA_000016305 – 1.CP000647 – CP000652, GCA_000016325 – 1.CP000653 – CP000654, GCA_000016345 – 1.CP000655, GCA_000016365 – 1.CP000656 – CP000659, GCA_000016405 – 1.CP000661 – CP000666, GCA_000016425 – 1.CP000667, GCA_000016445 – 1.CP000668 – CP000670, GCA_000016465 – 1.CP000671, GCA_000016485 – 1.CP000672, GCA_000016505 – 1.CP000673 – CP000674, GCA_000016545 – 1.CP000679, GCA_000016565 – 1.CP000680, GCA_000016585 – 1.CP000681, GCA_000016625 – 1.CP000683 – CP000684, GCA_000016645 – 1.CP000685, GCA_000016665 – 1.CP000686, GCA_000016685 – 1.CP000687, GCA_000016705 – 1.CP000688, GCA_000016725 – 1.CP000689 – CP000697, GCA_000016745 – 1.CP000698, GCA_000016765 – 1.CP000699 – CP000701, GCA_000016785 – 1.CP000702, GCA_000016805 – 1.CP000703 – CP000704, GCA_000016825 – 1.CP000705, GCA_000016845 – 1.CP000708 – CP000709, GCA_000016865 – 1.CP000712, GCA_000016885 – 1.CP000713 – CP000715, GCA_000016905 – 1.CP000716, GCA_000016945 – 1.CP000718 – CP000720,

GCA_000016965 – 1.CP000721, GCA_000016985 – 1.CP000724, GCA_000017005 – 1.CP000725, GCA_000017025 – 1.CP000726, GCA_000017045 – 1.CP000727, GCA_000017065 – 1.CP000728 – CP000729, GCA_000017125 – 1.CP000736 – CP000737, GCA_000017145 – 1.CP000738 – CP000741, GCA_000017205 – 1.CP000744, GCA_000017245 – 1.CP000746, GCA_000017265 – 1.CP000747 – CP000748, GCA_000017285 – 1.CP000749, GCA_000017305 – 1.CP000750 – CP000752, GCA_000017325 – 1.CP000753 – CP000754, GCA_000017405 – 1.CP000758 – CP000763, GCA_000017425 – 1.CP000764 – CP000765, GCA_000017445 – 3.CP000766, GCA_000017465 – 1.CP000767, GCA_000017485 – 1.CP000768, GCA_000017505 – 1.CP000769, GCA_000017525 – 1.CP000770, GCA_000017545 – 1.CP000771, GCA_000017565 – 1.CP000774, GCA_000017585 – 1.CP000775 – CP000776, GCA_000017605 – 1.CP000777 – CP000779, GCA_000017645 – 1.CP000781 – CP000782, GCA_000017665 – 1.CP000783 – CP000785, GCA_000017685 – 1.CP000786 – CP000788, GCA_000017705 – 1.CP000789 – CP000791, GCA_000017725 – 1.CP000792 – CP000794, GCA_000017745 – 1.CP000795 – CP000801, GCA_000017765 – 1.CP000802, GCA_000017785 – 1.CP000803, GCA_000017805 – 1.CP000804, GCA_000017845 – 1.CP000806 – CP000811, GCA_000017865 – 1.CP000812, GCA_000017885 – 1.CP000813, GCA_000017905 – 1.CP000814, GCA_000017965 – 1.CP000817 – CP000818, GCA_000017985 – 1.CP000819, GCA_000018005 – 1.CP000820, GCA_000018025 – 1.CP000821, GCA_000018045 – 1.CP000822 – CP000824, GCA_000018065 – 1.CP000825, GCA_000018085 – 1.CP000826 – CP000827, GCA_000018145 – 1.CP000830 – CP000835, GCA_000018185 – 1.CP000837, GCA_000018205 – 1.CP000847, GCA_000018225 – 1.CP000848, GCA_000018245 – 1.CP000849, GCA_000018265 – 1.CP000850, GCA_000018285 – 1.CP000851, GCA_000018325 – 1.CP000853, GCA_000018385 – 1.CP000857 – CP000858, GCA_000018425 – 1.CP000860, GCA_000018445 – 1.CP000863 – CP000865, GCA_000018505 – 1.CP000868 – CP000871, GCA_000018525 – 1.CP000872 – CP000873, GCA_000018565 – 1.CP000875 – CP000877, GCA_000018605 – 1.CP000879, GCA_000018625 – 1.CP000880, GCA_000018665 – 1.CP000884, GCA_000018685 – 1.CP000885, GCA_000018705 – 1.CP000886, GCA_000018725 – 1.CP000887 – CP000888, GCA_000018745 – 1.CP000889 – CP000890, GCA_000018765 – 1.CP000891 – CP000894, GCA_000018785 – 1.CP000896, GCA_000018805 – 1.CP000900 – CP000902, GCA_000018825 – 1.CP000903 – CP000907, GCA_000018845 – 1.CP000908, GCA_000018865 – 1.CP000909, GCA_000018885 – 1.CP000910, GCA_000018905 – 1.CP000911 – CP000912, GCA_000018925 – 1.CP000915, GCA_000018945 – 1.CP000916, GCA_000018965 – 1.CP000918, GCA_000018985 – 1.CP000919, GCA_000019005 – 1.CP000920, GCA_000019025 – 1.CP000921, GCA_000019045 – 1.CP000922, GCA_000019065 – 1.CP000923, GCA_000019085 – 1.CP000924, GCA_000019125 – 1.CP000926, GCA_000019145 – 1.CP000927 – CP000929, GCA_000019165 – 1.CP000930, GCA_000019185 – 1.CP000931, GCA_000019205 – 1.CP000932 – CP000933, GCA_000019225 – 1.CP000934, GCA_000019265 – 1.CP000936, GCA_000019285 – 1.CP000937 – CP000938, GCA_000019305 – 1.CP000939 – CP000940, GCA_000019325 – 1.CP000941, GCA_000019345 – 1.CP000942, GCA_000019365 – 1.CP000943 – CP000945, GCA_000019385 – 1.CP000946, GCA_000019405 – 1.CP000947, GCA_000019445 – 1.CP000949, GCA_000019465 – 1.CP000950, GCA_000019485 – 1.CP000951 – CP000957, GCA_000019505 – 1.CP000958 – CP000960, GCA_000019525 – 1.CP000961, GCA_000019545 – 1.CP000962 – CP000963, GCA_000019565 – 1.CP000964 – CP000966, GCA_000019585 – 2.CP000967, GCA_000019625 – 1.CP000969, GCA_000019645 – 1.CP000970 – CP000974, GCA_000019665 – 1.CP000975, GCA_000019685 – 1.CP000976 – CP000992, GCA_000019705 – 1.CP000993 – CP001000, GCA_000019725 – 1.CP001001 – CP001009, GCA_000019745 – 1.CP001010, GCA_000019765 – 1.CP001011 – CP001012, GCA_000019785 – 1.CP001013, GCA_000019825 – 1.CP001015, GCA_000019845 – 1.CP001016 – CP001018, GCA_000019865 – 1.CP001019, GCA_000019885 – 1.CP001020 – CP001021, GCA_000019905 – 1.CP001022 – CP001024, GCA_000019925 – 1.CP001025 – CP001028, GCA_000019945 – 1.CP001029 – CP001031, GCA_000019965 – 1.CP001032, GCA_000019985 – 1.CP001033, GCA_000020005 – 1.CP001034 – CP001036, GCA_000020025 – 1.CP001037 – CP001042, GCA_000020045 – 1.CP001043 – CP001046, GCA_000020065 – 1.CP001047, GCA_000020085 – 1.CP001048 – CP001049, GCA_000020105 – 1.CP001050 – CP001051, GCA_000020125 – 1.CP001052 – CP001054, GCA_000020145 – 1.CP001055, GCA_000020165 – 1.CP001056 – CP001057, GCA_000020185 – 1.CP001058 – CP001063, GCA_000020205 – 1.CP001068 – CP001070, GCA_000020225 – 1.CP001071, GCA_000020245 – 1.CP001072, GCA_000020285 – 1.CP001078, GCA_000020305 – 1.CP001079, GCA_000020325 – 1.CP001080, GCA_000020345 – 1.CP001081 – CP001083, GCA_000020365 – 1.CP001087 – CP001088, GCA_000020385 – 1.CP001089 – CP001090, GCA_000020405 – 1.CP001091 – CP001094, GCA_000020425 – 1.CP001095, GCA_000020445 – 1.CP001096, GCA_000020465 – 1.CP001097, GCA_000020485 – 1.CP001098, GCA_000020505 – 1.CP001099, GCA_000020525 – 1.CP001100, GCA_000020545 – 1.CP001101, GCA_000020565 – 1.CP001102, GCA_000020585 – 3.CP001103, GCA_000020605 – 1.CP001107, GCA_000020625 – 1.CP001108 – CP001109, GCA_000020645 – 1.CP001110, GCA_000020665 – 1.CP001111, GCA_000020685 – 1.CP001114 – CP001117, GCA_000020705 – 1.CP001118 – CP001120, GCA_000020725 – 1.CP001124, GCA_000020745 – 1.CP001125 – CP001127, GCA_000020765 – 1.CP001129, GCA_000020785 – 1.CP001130, GCA_000020805 – 1.CP001131, GCA_000020825 – 1.CP001132, GCA_000020865 – 1.CP001135 – CP001136, GCA_000020885 – 1.CP001137 – CP001138, GCA_000020925 – 1.CP001143 – CP001144, GCA_000020965 – 1.CP001146, GCA_000020985 – 1.CP001147, GCA_000021005 – 1.CP001150 – CP001153, GCA_000021025 – 1.CP001154, GCA_000021045 – 1.CP001157, GCA_000021065 – 1.CP001158, GCA_000021085 – 1.CP001161, GCA_000021125 – 1.CP001163 – CP001165, GCA_000021145 – 1.CP001172, GCA_000021165 – 1.CP001173 – CP001174, GCA_000021185 – 1.CP001175, GCA_000021205 – 1.CP001176, GCA_000021225 – 1.CP001177 – CP001181, GCA_000021245 – 1.CP001182 – CP001183, GCA_000021265 – 1.CP001184, GCA_000021285 –

1.CP001185, GCA_000021305 – 1.CP001186 – CP001188, GCA_000021325 – 1.CP001189 – CP001190, GCA_000021345 – 1.CP001191 – CP001195, GCA_000021365 – 1.CP001196, GCA_000021385 – 1.CP001197, GCA_000021405 – 1.CP001198 – CP001212, GCA_000021425 – 1.CP001213, GCA_000021445 – 1.CP001214 – CP001216, GCA_000021465 – 1.CP001217 – CP001218, GCA_000021485 – 1.CP001219, GCA_000021505 – 1.CP001226, GCA_000021525 – 1.CP001227 – CP001228, GCA_000021545 – 1.CP001229, GCA_000021565 – 1.CP001230 – CP001231, GCA_000021605 – 1.CP001233 – CP001234, GCA_000021625 – 1.CP001235 – CP001236, GCA_000021645 – 1.CP001251, GCA_000021665 – 1.CP001252 – CP001255, GCA_000021685 – 1.CP001275 – CP001276, GCA_000021725 – 1.CP001279, GCA_000021745 – 1.CP001280, GCA_000021765 – 1.CP001281 – CP001282, GCA_000021785 – 1.CP001283 – CP001286, GCA_000021805 – 1.CP001287 – CP001290, GCA_000021825 – 1.CP001291 – CP001297, GCA_000021845 – 1.CP001298 – CP001300, GCA_000021865 – 1.CP001312 – CP001313, GCA_000021885 – 1.CP001321, GCA_000021905 – 1.CP001322, GCA_000021925 – 1.CP001336, GCA_000021945 – 1.CP001337, GCA_000021985 – 1.CP001339, GCA_000022005 – 1.CP001340, GCA_000022025 – 1.CP001341 – CP001343, GCA_000022045 – 1.CP001344 – CP001347, GCA_000022065 – 1.CP001348, GCA_000022085 – 1.CP001349 – CP001356, GCA_000022105 – 1.CP001360, GCA_000022125 – 1.CP001358, GCA_000022145 – 1.CP001359, GCA_000022185 – 1.CP001364, GCA_000022225 – 1.CP001368 – CP001369, GCA_000022245 – 1.CP001383 – CP001388, GCA_000022265 – 1.CP001390, GCA_000022285 – 1.CP001391, GCA_000022305 – 1.CP001392, GCA_000022325 – 1.CP001393 – CP001395, GCA_000022345 – 1.CP001396, GCA_000022505 – 1.CP001406 – CP001407, GCA_000022525 – 1.CP001431, GCA_000022565 – 1.CP001472, GCA_000022585 – 1.CP001485 – CP001486, GCA_000022625 – 1.CP001488 – CP001489, GCA_000022645 – 2.CP001503 – CP001508, GCA_000022665 – 2.CP001509, GCA_000022685 – 1.CP001510 – CP001514, GCA_000022705 – 1.CP001515, GCA_000022725 – 1.CP001562 – CP001563, GCA_000022745 – 1.CP001578 – CP001579, GCA_000022765 – 1.CP001581, GCA_000022785 – 1.CP001584, GCA_000022845 – 1.CP001593 – CP001596, GCA_000022865 – 1.CP001597 – CP001599, GCA_000022885 – 2.CP001600, GCA_000022925 – 1.CP001604, GCA_000022945 – 1.CP001605, GCA_000022965 – 1.CP001606, GCA_000022985 – 1.CP001607, GCA_000023005 – 1.CP001612 – CP001613, GCA_000023025 – 1.CP001614, GCA_000023045 – 1.CP001615, GCA_000023065 – 1.CP001616, GCA_000023085 – 1.CP001617, GCA_000023105 – 1.CP001618, GCA_000023125 – 1.CP001619, GCA_000023145 – 1.CP001620, GCA_000023185 – 1.CP001622 – CP001627, GCA_000023205 – 1.CP001628, GCA_000023225 – 1.CP001629, GCA_000023245 – 1.CP001630, GCA_000023265 – 1.CP001631, GCA_000023285 – 1.CP001632, GCA_000023305 – 1.CP001633, GCA_000023325 – 1.CP001634, GCA_000023345 – 1.CP001635 – CP001636, GCA_000023365 – 1.CP001637, GCA_000023385 – 1.CP001638 – CP001640, GCA_000023405 – 1.CP001643, GCA_000023425 – 1.CP001644 – CP001648, GCA_000023445 – 1.CP001649, GCA_000023465 – 1.CP001650, GCA_000023545 – 1.CP001654, GCA_000023565 – 1.CP001655, GCA_000023585 – 1.CP001656, GCA_000023605 – 1.CP001657, GCA_000023625 – 1.CP001658, GCA_000023645 – 1.CP001661, GCA_000023665 – 1.CP001665, GCA_000023705 – 1.CP001672, GCA_000023725 – 1.CP001673, GCA_000023745 – 1.CP001674 – CP001676, GCA_000023765 – 2.CP001677, GCA_000023785 – 1.CP001678 – CP001679, GCA_000023805 – 1.CP001680, GCA_000023825 – 1.CP001681, GCA_000023845 – 1.CP001682, GCA_000023865 – 1.CP001683, GCA_000023885 – 1.CP001684, GCA_000023905 – 1.CP001685, GCA_000023925 – 1.CP001686, GCA_000024005 – 1.CP001699, GCA_000024025 – 1.CP001700, GCA_000024045 – 1.CP001701 – CP001705, GCA_000024065 – 1.CP001706, GCA_000024085 – 1.CP001707, GCA_000024105 – 1.CP001708 – CP001709, GCA_000024125 – 1.CP001712, GCA_000024145 – 1.CP001713 – CP001714, GCA_000024165 – 1.CP001715 – CP001718, GCA_000024205 – 1.CP001720, GCA_000024225 – 1.CP001721, GCA_000024245 – 1.CP001722 – CP001725, GCA_000024265 – 1.CP001726, GCA_000024285 – 1.CP001727 – CP001730, GCA_000024325 – 1.CP001734 – CP001735, GCA_000024345 – 1.CP001736, GCA_000024365 – 1.CP001737, GCA_000024385 – 1.CP001738, GCA_000024405 – 1.CP001739 – CP001741, GCA_000024425 – 1.CP001743, GCA_000024445 – 1.CP001750, GCA_000024465 – 1.CP001751, GCA_000024505 – 1.CP001759, GCA_000024525 – 1.CP001769 – CP001777, GCA_000024545 – 1.CP001778, GCA_000024565 – 1.CP001779 – CP001780, GCA_000024585 – 1.CP001781 – CP001784, GCA_000024605 – 1.CP001785 – CP001786, GCA_000024645 – 1.CP001790, GCA_000024665 – 1.CP001792, GCA_000024685 – 1.CP001793, GCA_000024705 – 1.CP001794 – CP001795, GCA_000024725 – 1.CP001798 – CP001799, GCA_000024765 – 1.CP001801, GCA_000024785 – 1.CP001802 – CP001803, GCA_000024805 – 1.CP001804, GCA_000024825 – 1.CP001805 – CP001806, GCA_000024845 – 1.CP001807 – CP001808, GCA_000024865 – 1.CP001814 – CP001815, GCA_000024885 – 1.CP001816, GCA_000024905 – 1.CP001818, GCA_000024925 – 1.CP001819, GCA_000024945 – 1.CP001820, GCA_000024965 – 1.CP001821 – CP001822, GCA_000024985 – 1.CP001823 – CP001824, GCA_000025005 – 1.CP001825 – CP001826, GCA_000025025 – 1.CP001827, GCA_000025045 – 1.CP001834 – CP001835, GCA_000025065 – 1.CP001836, GCA_000025085 – 1.CP001837, GCA_000025105 – 1.CP001839, GCA_000025125 – 1.CP001842, GCA_000025165 – 1.CP001846 – CP001847, GCA_000025185 – 1.CP001848, GCA_000025205 – 1.CP001849, GCA_000025245 – 1.CP001853, GCA_000025265 – 1.CP001854, GCA_000025305 – 1.CP001859, GCA_000025345 – 1.CP001867, GCA_000025365 – 1.CP001872, GCA_000025385 – 1.CP001873, GCA_000025405 – 2.CP001875, GCA_000025425 – 1.CP001876 – CP001877, GCA_000025465 – 1.CP001891, GCA_000025485 – 1.CP001896 – CP001898, GCA_000025545 – 1.CP001905 – CP001906, GCA_000025565 – 1.CP001918 – CP001920, GCA_000025585 – 1.CP001924, GCA_000025605 – 1.CP001931, GCA_000025645 – 1.CP001936, GCA_000025705 – 1.CP001965, GCA_000025725 – 1.CP001968, GCA_000025745 – 1.CP001969, GCA_000025765 – 1.CP001977, GCA_000025785 – 1.CP001981, GCA_000025845 – 1.CP001991, GCA_000025885 – 1.CP001997,

GCA_000025905 – 1.CP001998, GCA_000025925 – 1.CP002006, GCA_000025945 – 1.CR522870 – CR522872, GCA_000025965 – 1.CR555306 – CR555308, GCA_000026065 – 1.CR936503, GCA_000026085 – 1.CR954246 – CR954247, GCA_000026105 – 1.CT573326, GCA_000026125 – 1.CU207211, GCA_000026145 – 1.CU234118, GCA_000026205 – 1.CU469464, GCA_000026245 – 1.CU928145, GCA_000026265 – 1.CU928160, GCA_000026285 – 1.CU928161, GCA_000026325 – 1.CU928163, GCA_000026345 – 1.CU928164, GCA_000026485 – 1.FM177140, GCA_000026505 – 1.FM179322, GCA_000026525 – 1.FM179323 – FM179324, GCA_000026645 – 1.FM209186, GCA_000026705 – 1.FM242711, GCA_000026965 – 1.FM999788, GCA_000027065 – 2.FN543093 – FN543096, GCA_000027185 – 1.FN597254, GCA_000027225 – 1.FN667741, GCA_000027305 – 1.L42023, GCA_000027325 – 1.L43967, GCA_000027345 – 1.U00089, GCA_000039765 – 1.AE016795 – AE016796, GCA_000046845 – 1.CR543861, GCA_000050405 – 1.CR925677, GCA_000050425 – 1.CR925678, GCA_000055785 – 1.CP000285, GCA_000056065 – 1.CR954253, GCA_000060285 – 1.AM263198, GCA_000060345 – 1.CU207366, GCA_000061505 – 1.AM406670, GCA_000063505 – 1.CT971583, GCA_000063525 – 1.CT978603, GCA_000063605 – 1.CU179680, GCA_000064305 – 2.AM398681, GCA_000069245 – 1.CU459137 – CU459141, GCA_000069925 – 1.AM422018, GCA_000069945 – 1.AM942444, GCA_000083545 – 1.FP103042 – FP103044, GCA_000085865 – 1.FP236530, GCA_000089865 – 1.FP671138, GCA_000090405 – 1.FP565810 – FP565814, GCA_000091005 – 1.AP010953 – AP010957, GCA_000091125 – 1.AP010803 – AP010807, GCA_000091325 – 1.AP011177, GCA_000091345 – 1.FM991728, GCA_000091465 – 1.FM954972 – FM954973, GCA_000091545 – 1.AP008226 – AP008228, GCA_000091565 – 1.FN434113 – FN434114, GCA_000091645 – 1.AP010655, GCA_000091725 – 1.FN806773, GCA_000091785 – 1.FN650140 – FN650141, GCA_000092025 – 1.AE007869 – AE007872, GCA_000092105 – 1.CP001744 – CP001745, GCA_000092125 – 1.CP002042 – CP002044, GCA_000092165 – 1.CP001903 – CP001904, GCA_000092205 – 1.CP001940, GCA_000092225 – 1.CP001966 – CP001967, GCA_000092245 – 1.CP001999, GCA_000092265 – 1.CP002005, GCA_000092285 – 1.CP002008, GCA_000092325 – 1.CP002010, GCA_000092345 – 1.CP002011 – CP002012, GCA_000092365 – 1.CP002045, GCA_000092385 – 1.CP002047, GCA_000092405 – 1.CP002048, GCA_000092425 – 1.CP002049, GCA_000092445 – 1.CP002050, GCA_000092485 – 1.CP002052 – CP002053, GCA_000092505 – 1.CP001753 – CP001758, GCA_000092545 – 1.CP000675, GCA_000092565 – 1.AE010300 – AE010301, GCA_000092585 – 1.AE015450, GCA_000092605 – 1.CP002021 – CP002023, GCA_000092625 – 1.CP001828, GCA_000092645 – 1.CP001874, GCA_000092665 – 1.CP001886, GCA_000092685 – 1.CP001887, GCA_000092705 – 1.CP001888, GCA_000092725 – 1.CP001889, GCA_000092745 – 1.CP001890, GCA_000092765 – 1.CP001892, GCA_000092785 – 1.CP001928 – CP001929, GCA_000092805 – 1.CP001930, GCA_000092825 – 1.CP001958, GCA_000092845 – 1.CP001959, GCA_000092865 – 1.CP001964, GCA_000092885 – 1.CP002013 – CP002016, GCA_000092905 – 1.CP002017, GCA_000092925 – 1.CP002026, GCA_000092945 – 1.CP002028, GCA_000092965 – 1.CP002032, GCA_000092985 – 1.CP002040 – CP002041, GCA_000093005 – 1.CP002054 – CP002055, GCA_000093025 – 1.CP002056, GCA_000093065 – 1.CP001085 – CP001086, GCA_000093085 – 1.CP001791, GCA_000093125 – 2.CP001602 – CP001603, GCA_000093145 – 2.CP001220, GCA_000093165 – 1.CP001429 – CP001430, GCA_000093185 – 1.CP001582 – CP001583, GCA_000143085 – 1.CP002086 – CP002088, GCA_000143145 – 1.CP002083, GCA_000143165 – 1.CP002084, GCA_000143205 – 1.CP002094, GCA_000143225 – 1.CP002039, GCA_000143435 – 1.CP002034 – CP002037, GCA_000143605 – 1.CP001746 – CP001749, GCA_000143685 – 1.CP001666, GCA_000143705 – 1.CP002097, GCA_000143725 – 1.CP002025, GCA_000143845 – 1.CP002106, GCA_000143865 – 1.CP002107, GCA_000143945 – 1.CP002077, GCA_000143965 – 1.CP002085, GCA_000143985 – 1.CP002116, GCA_000144405 – 1.CP002122 – CP002123, GCA_000144605 – 1.CP002102, GCA_000144625 – 1.CP002109, GCA_000144645 – 1.CP002131, GCA_000144675 – 1.CP001829, GCA_000144695 – 1.CP002105, GCA_000144935 – 2.CP001809, GCA_000144955 – 1.CP002114 – CP002115, GCA_000145035 – 1.CP001810 – CP001813, GCA_000145215 – 1.CP002164, GCA_000145235 – 1.CP002162, GCA_000145255 – 1.CP002159, GCA_000145275 – 1.CP002160, GCA_000145595 – 1.CP002120, GCA_000145615 – 1.CP002171, GCA_000145705 – 1.CP002170, GCA_000146165 – 2.AE014299 – AE014300, GCA_000146185 – 1.CP001104 – CP001106, GCA_000146305 – 1.CP002154 – CP002155, GCA_000146505 – 1.CP002158, GCA_000146565 – 1.CP002183, GCA_000147015 – 1.CP002161, GCA_000147035 – 1.CP002163, GCA_000147075 – 1.CP001698, GCA_000147335 – 1.CP002198 – CP002204, GCA_000147355 – 1.CP002205, GCA_000147695 – 3.CP002991, GCA_000147715 – 3.CP003532 – CP003533, GCA_000147735 – 3.CP002767 – CP002769, GCA_000147775 – 3.CP002740 – CP002742, GCA_000147795 – 3.CP002781 – CP002785, GCA_000147815 – 3.CP002994 – CP002996, GCA_000147835 – 3.CP002798 – CP002800, GCA_000147855 – 3.CP002516 – CP002518, GCA_000148405 – 1.CP002165 – CP002166, GCA_000148425 – 1.CP002210, GCA_000148605 – 1.CP002167 – CP002168, GCA_000148625 – 1.CP001995, GCA_000148645 – 1.CP002209, GCA_000148665 – 1.CP002184, GCA_000148685 – 1.CP002217 – CP002218, GCA_000148705 – 1.CP001900, GCA_000148815 – 2.CP002222 – CP002223, GCA_000148855 – 1.CP002073, GCA_000148875 – 1.CP002074 – CP002075, GCA_000148895 – 1.CP002076, GCA_000148915 – 1.CP002071 – CP002072, GCA_000152065 – 1.CP002251, GCA_000152245 – 2.CP002273, GCA_000152825 – 2.CP002156, GCA_000152925 – 3.CP009301, GCA_000152945 – 2.CP004349, GCA_000153165 – 2.CP002157, GCA_000153405 – 2.CP004404, GCA_000153485 – 2.CP003879, GCA_000153685 – 2.CP001664, GCA_000154585 – 2.CP001662, GCA_000154605 – 2.CP001976, GCA_000154745 – 2.CP002972 – CP002975, GCA_000154765 – 2.CP002976 – CP002979, GCA_000154785 – 2.CP002623 – CP002626, GCA_000155515 – 2.CP002391 – CP002393, GCA_000155675 – 2.CP003740 – CP003741, GCA_000155735 – 2.CP003742 – CP003744, GCA_000156855 – 2.CP003909 – CP003910, GCA_000157355 – 2.CP004856, GCA_000157895 – 2.CP006835 – CP006836, GCA_000158275 –

2.CP007062 – CP007063, GCA_000159155 – 2.CP002104, GCA_000159455 – 2.CP002844 – CP002848, GCA_000159535 – 2.CP002110 – CP002111, GCA_000160335 – 2.CP002388 – CP002389, GCA_000161795 – 2.CP006882, GCA_000162235 – 2.CP003700, GCA_000163055 – 2.CP003666 – CP003667, GCA_000163615 – 2.CP003496, GCA_000163895 – 2.CP002390, GCA_000163915 – 2.CP007064 – CP007066, GCA_000164675 – 2.CP002843, GCA_000164695 – 2.CP002280, GCA_000164865 – 1.CP002272, GCA_000164885 – 1.CP002224 – CP002226, GCA_000164905 – 1.CP002221, GCA_000164965 – 1.CP002220, GCA_000164985 – 2.CP002213 – CP002214, GCA_000165465 – 1.CP002175, GCA_000165485 – 1.CP002271, GCA_000165505 – 1.CP002281 – CP002283, GCA_000165575 – 1.CP002276, GCA_000165715 – 3.CP002546, GCA_000165775 – 3.CP003799, GCA_000165815 – 1.CP002124 – CP002129, GCA_000165835 – 1.CP002287 – CP002289, GCA_000165905 – 1.CP001840, GCA_000165925 – 1.CP002207, GCA_000166055 – 1.CP002292, GCA_000166075 – 1.CP002293 – CP002294, GCA_000166115 – 1.CP002297 – CP002298, GCA_000166135 – 1.CP002299, GCA_000166275 – 1.AAXU02000001, GCA_000166295 – 1.CP001978 – CP001980, GCA_000166315 – 1.CP002286, GCA_000166335 – 1.CP002216, GCA_000166355 – 1.CP002219, GCA_000166395 – 1.CP002305, GCA_000166415 – 1.CP002304, GCA_000166455 – 2.CP003069 – CP003070, GCA_000166695 – 1.CP002326 – CP002327, GCA_000166775 – 1.CP002330, GCA_000166935 – 1.AABW01000001, GCA_000168315 – 3.CP003057, GCA_000168355 – 3.CP002007, GCA_000168575 – 2.CP002003, GCA_000168595 – 2.CP002004, GCA_000168635 – 2.CP002001, GCA_000168695 – 2.CP002002, GCA_000168775 – 2.CP003862, GCA_000169195 – 2.CP003056, GCA_000169215 – 2.CP002457, GCA_000171795 – 2.CP005388, GCA_000172575 – 2.CP002621, GCA_000172635 – 2.CP003841, GCA_000174395 – 2.CP003583 – CP003586, GCA_000174795 – 2.CP002442 – CP002443, GCA_000175095 – 2.CP002552 – CP002554, GCA_000175115 – 2.CP002479, GCA_000175215 – 2.CP002395 – CP002398, GCA_000175255 – 2.CP002850 – CP002856, GCA_000175295 – 2.CP002466, GCA_000175575 – 2.CP005986 – CP005989, GCA_000175935 – 2.CP002433 – CP002438, GCA_000176035 – 2.CP002279, GCA_000176115 – 2.CP002475 – CP002477, GCA_000176835 – 2.CP006250 – CP006251, GCA_000176855 – 2.CP002521, GCA_000176915 – 2.CP002431, GCA_000176935 – 2.CP002519 – CP002520, GCA_000177195 – 2.CP002993, GCA_000177235 – 2.CP002394, GCA_000177255 – 2.CP002418, GCA_000177535 – 2.CP002857, GCA_000177615 – 2.CP002801 – CP002803, GCA_000177635 – 2.CP002432, GCA_000177655 – 2.CP002399, GCA_000178115 – 2.CP002400, GCA_000178395 – 2.CP002835 – CP002837, GCA_000178835 – 2.CP002582, GCA_000178875 – 2.CP002383 – CP002384, GCA_000178935 – 2.CP002096, GCA_000178955 – 2.CP003130, GCA_000178975 – 2.CP002480 – CP002485, GCA_000179015 – 2.CP002449 – CP002451, GCA_000179035 – 2.CP002525, GCA_000179395 – 2.CP002917, GCA_000179635 – 2.CP002403 – CP002407, GCA_000179915 – 2.CP002467, GCA_000180175 – 2.AP012551 – AP012553, GCA_000182745 – 1.AP012159 – AP012166, GCA_000182835 – 1.CP002341 – CP002342, GCA_000182875 – 1.CP002340, GCA_000183115 – 1.CP002252, GCA_000183135 – 1.CP002345, GCA_000183155 – 1.CP002346, GCA_000183185 – 1.CP002274, GCA_000183225 – 1.CP002300, GCA_000183245 – 1.CP002301, GCA_000183285 – 1.CP002302, GCA_000183305 – 1.CP002303, GCA_000183345 – 1.CP001855 – CP001856, GCA_000183365 – 1.CP002108, GCA_000183385 – 1.CP002188, GCA_000183405 – 1.CP002347 – CP002348, GCA_000183425 – 1.CP002349 – CP002350, GCA_000183645 – 1.CP002290, GCA_000183665 – 1.CP002371, GCA_000183725 – 1.CP002355 – CP002359, GCA_000183745 – 1.CP002361 – CP002362, GCA_000184065 – 1.CP001796 – CP001797, GCA_000184085 – 1.CP002029 – CP002030, GCA_000184325 – 1.CP002377 – CP002378, GCA_000184345 – 2.CP002903, GCA_000184435 – 1.CP002385 – CP002387, GCA_000184685 – 1.CP002343, GCA_000184705 – 1.CP002344, GCA_000184745 – 1.CP002417, GCA_000184925 – 1.CP002416, GCA_000185185 – 1.CP002331, GCA_000185205 – 1.CP002332 – CP002333, GCA_000185225 – 1.CP002334 – CP002335, GCA_000185245 – 1.CP002336 – CP002337, GCA_000185745 – 1.CP002456, GCA_000185805 – 1.CP002444 – CP002445, GCA_000185885 – 1.CP002439, GCA_000185905 – 1.CP002447 – CP002448, GCA_000185965 – 1.CP002446, GCA_000185985 – 2.CP002189, GCA_000186005 – 1.CP002458, GCA_000186225 – 1.CP002352, GCA_000186245 – 1.CP002452, GCA_000186265 – 1.CP002453, GCA_000186345 – 1.CP002353 – CP002354, GCA_000186385 – 1.CP002454, GCA_000186405 – 1.CP002465, GCA_000186585 – 1.CP002469 – CP002470, GCA_000186665 – 4.CP003967 – CP003968, GCA_000186725 – 1.CP001608 – CP001611, GCA_000186745 – 1.CP002468, GCA_000186885 – 1.CP002364, GCA_000186985 – 3.CP002808, GCA_000187005 – 1.CP001962 – CP001963, GCA_000187705 – 1.CP002505 – CP002507, GCA_000187935 – 2.AEUT02000001, GCA_000188215 – 1.CP001921 – CP001923, GCA_000188715 – 1.CP002215, GCA_000188735 – 1.CP002487 – CP002490, GCA_000188955 – 5.CP007530, GCA_000189295 – 2.CP003220, GCA_000189415 – 1.CP002455, GCA_000189495 – 1.CP002478, GCA_000189515 – 1.CP002429 – CP002430, GCA_000189535 – 1.CP002379 – CP002381, GCA_000189735 – 2.CP002522 – CP002524, GCA_000189775 – 3.CP002739, GCA_000190435 – 1.CP002541, GCA_000190515 – 1.CP002508 – CP002510, GCA_000190535 – 1.CP002544, GCA_000190555 – 1.CP002536 – CP002540, GCA_000190575 – 1.CP002530 – CP002533, GCA_000190595 – 1.CP002534, GCA_000190635 – 1.CP002547, GCA_000191045 – 1.CP002543, GCA_000191145 – 1.CP002177, GCA_000191165 – 1.CP000156, GCA_000191545 – 1.CP002559 – CP002561, GCA_000191565 – 1.CP002562, GCA_000191905 – 1.CP002118 – CP002119, GCA_000191925 – 1.CP002549 – CP002550, GCA_000192105 – 1.CP002246 – CP002247, GCA_000192315 – 1.CP002571, GCA_000192335 – 1.CP002572, GCA_000192635 – 1.CP002248 – CP002250, GCA_000192705 – 1.CP002365 – CP002370, GCA_000192725 – 1.CP002459 – CP002460, GCA_000192745 – 1.CP002568 – CP002569, GCA_000192845 – 1.CP002584, GCA_000192865 – 1.CP002583, GCA_000192885 – 1.CP001851 – CP001852, GCA_000193185 – 1.CP012090, GCA_000193205 – 1.CP002512, GCA_000193355 – 1.CP001907 – CP001917, GCA_000193395 – 1.CP002589, GCA_000193435 –

3.CP003001, GCA_000193595 – 3.CP009751, GCA_000194075 – 3.CP003494, GCA_000194115 – 1.CP002609 – CP002611,
 GCA_000194135 – 1.CP002606, GCA_000194605 – 1.CP002542, GCA_000194745 – 1.CP002599 – CP002604, GCA_000194765 –
 1.CP002618 – CP002619, GCA_000194785 – 1.CP002616 – CP002617, GCA_000194805 – 1.CP002585, GCA_000195065 –
 1.CP002555 – CP002556, GCA_000195085 – 1.CP002511, GCA_000195275 – 1.CP002631 – CP002632, GCA_000195295 –
 1.CP002629, GCA_000195315 – 1.CP002628, GCA_000195335 – 1.CP002630, GCA_000195395 – 3.CP006046, GCA_000195435 –
 3.CP006047, GCA_000195515 – 1.CP002627, GCA_000195535 – 1.CP002557, GCA_000195555 – 1.CP002558, GCA_000195575 –
 1.CP002563 – CP002564, GCA_000195755 – 1.AE017285 – AE017286, GCA_000196095 – 1.BA000031 – BA000032, GCA_000196215 –
 1.CP000013 – CP000015, GCA_000196235 – 1.CP000454 – CP000457, GCA_000196315 – 1.CP002046, GCA_000196355 –
 1.CP000103 – CP000106, GCA_000196455 – 1.FP565809, GCA_000196515 – 1.CP002059 – CP002061, GCA_000196535 –
 1.CP001992, GCA_000196555 – 1.AP010888, GCA_000196575 – 1.AP010890 – AP010892, GCA_000196595 – 1.CP001993,
 GCA_000196735 – 1.FN597644, GCA_000196795 – 1.CP002080, GCA_000196815 – 1.FP929003, GCA_000196835 – 1.CP002000,
 GCA_000196855 – 1.FN822744, GCA_000198515 – 1.FP929140, GCA_000198775 – 1.FR687359 – FR687361, GCA_000199675 –
 1.AP012029, GCA_000200735 – 1.FR773153, GCA_000202635 – 1.AP012052, GCA_000202835 – 1.AP012035 – AP012043,
 GCA_000203195 – 1.FR824043 – FR824044, GCA_000203215 – 1.FQ790233, GCA_000203875 – 1.CP000090 – CP000093,
 GCA_000203895 – 1.CP000489 – CP000491, GCA_000203915 – 1.CP000440 – CP000443, GCA_000203935 – 1.CP000469 –
 CP000470, GCA_000203955 – 1.CP000458 – CP000461, GCA_000204075 – 1.CP000117 – CP000121, GCA_000204115 –
 1.CP002607, GCA_000204135 – 1.CP002608, GCA_000204155 – 1.CP002638 – CP002639, GCA_000204275 – 1.CP002634 –
 CP002635, GCA_000204295 – 1.CP002620, GCA_000204565 – 1.CP002410 – CP002415, GCA_000204625 – 1.CP002633,
 GCA_000204645 – 1.CP002657 – CP002658, GCA_000204665 – 1.CP002643, GCA_000204985 – 1.CP002464, GCA_000208385 –
 1.CP002659, GCA_000208405 – 1.CP002637, GCA_000209655 – 1.CP002663 – CP002664, GCA_000209675 – 1.CP002667 –
 CP002668, GCA_000209755 – 1.FM211688, GCA_000209795 – 2.AP011541 – AP011542, GCA_000210155 – 1.CP002031,
 GCA_000210315 – 1.CP001996, GCA_000210515 – 1.CP002033, GCA_000211255 – 1.CP002491 – CP002495, GCA_000211295 –
 1.CP002669, GCA_000211375 – 1.CP002652 – CP002655, GCA_000211545 – 5.CP006916, GCA_000211855 – 3.CP002825,
 GCA_000212355 – 1.CP002528, GCA_000212375 – 1.CP002689, GCA_000212395 – 1.CP002690, GCA_000212415 – 1.CP002696,
 GCA_000212605 – 1.AFER01000001 – AFER01000004, GCA_000212675 – 2.CP003221, GCA_000212695 – 1.CP002666,
 GCA_000212735 – 1.CP002691 – CP002694, GCA_000212975 – 1.CP002695, GCA_000213135 – 1.CP002605, GCA_000213155 –
 1.CP002409, GCA_000213235 – 1.CP002728, GCA_000213255 – 1.CP002360, GCA_000213635 – 1.CP002614 – CP002615,
 GCA_000213655 – 1.CP002339, GCA_000213785 – 1.CP002726, GCA_000213805 – 1.CP002727, GCA_000213825 – 1.CP002471,
 GCA_000213865 – 1.CP002743, GCA_000213955 – 1.CP002725, GCA_000214095 – 3.CP002985, GCA_000214155 – 1.CP002329,
 GCA_000214175 – 1.CP002786 – CP002788, GCA_000214195 – 1.CP002774, GCA_000214215 – 1.CP002771, GCA_000214235 –
 1.CP002773, GCA_000214355 – 1.CP001841, GCA_000214375 – 1.CP001843, GCA_000214395 – 1.CP002735, GCA_000214435 –
 1.CP002736, GCA_000214665 – 1.CP002738, GCA_000214705 – 1.CP002770, GCA_000214765 – 2.CP002797, GCA_000214785 –
 1.CP002764 – CP002766, GCA_000214805 – 1.CP002775, GCA_000214825 – 1.CP002776, GCA_000214845 – 1.CP002777 –
 CP002778, GCA_000215065 – 1.CP002809, GCA_000215085 – 1.CP002780, GCA_000215105 – 1.CP002810, GCA_000215325 –
 1.CP002819 – CP002820, GCA_000215345 – 3.CP006615, GCA_000215645 – 1.CP002790, GCA_000215665 – 1.CP002791,
 GCA_000215705 – 1.CP000245, GCA_000215745 – 1.CP002824, GCA_000215895 – 1.CP002811 – CP002814, GCA_000215975 –
 1.CP002829, GCA_000217615 – 1.CP002815, GCA_000217655 – 1.CP002103, GCA_000217675 – 1.CP002284 – CP002285,
 GCA_000217795 – 1.CP002683, GCA_000217815 – 1.CP002351, GCA_000217835 – 1.CP002472, GCA_000218265 – 1.CP001830 –
 CP001832, GCA_000218305 – 1.CP002816, GCA_000218545 – 1.CP002665, GCA_000218565 – 1.CP002826 – CP002828,
 GCA_000218585 – 1.CP002821 – CP002823, GCA_000218855 – 1.CP002660 – CP002662, GCA_000218875 – 1.CP002865 –
 CP002867, GCA_000218915 – 1.CP002869, GCA_000219045 – 1.CP002872, GCA_000219105 – 1.CP002830, GCA_000219175 –
 1.CP002243, GCA_000219195 – 1.CP002244, GCA_000219215 – 1.CP002877 – CP002880, GCA_000219355 – 1.CP002130,
 GCA_000219375 – 1.CP002513, GCA_000219455 – 1.CP002794 – CP002796, GCA_000219515 – 3.CP006632 – CP006635,
 GCA_000219535 – 3.CP007806 – CP007808, GCA_000219585 – 1.CP002876, GCA_000219605 – 1.CP002881, GCA_000219705 –
 1.CP002870, GCA_000219725 – 1.CP002868, GCA_000219765 – 1.CP002904, GCA_000219785 – 1.CP002898, GCA_000219805 –
 1.CP002899 – CP002900, GCA_000219855 – 1.CP002901, GCA_000219875 – 1.CP002902, GCA_000219915 – 3.CP003555 –
 CP003556, GCA_000220005 – 2.AGTD01000001 – AGTD01000006, GCA_000220105 – 1.CP002024, GCA_000220135 –
 1.CP000303, GCA_000220485 – 1.CP002910 – CP002911, GCA_000220625 – 1.CP002113, GCA_000220885 – 1.CP002915,
 GCA_000220945 – 1.CP002896, GCA_000220965 – 1.CP002918, GCA_000221005 – 1.CP002078 – CP002079, GCA_000221025 –
 1.CP002573 – CP002577, GCA_000221045 – 1.CP002745, GCA_000221205 – 1.CP002912, GCA_000221625 – 1.CP002924,
 GCA_000221645 – 1.CP002927, GCA_000221965 – 1.CP002789, GCA_000221985 – 1.CP002925 – CP002926, GCA_000222305 –
 1.CP002746 – CP002762, GCA_000222485 – 1.CP002955, GCA_000222835 – 1.CP002933 – CP002950, GCA_000223195 –
 1.CP002997 – CP002998, GCA_000223375 – 1.CP002018 – CP002020, GCA_000223885 – 1.CP002986, GCA_000224005 –
 3.CP007031, GCA_000224105 – 1.CP003021, GCA_000224435 – 1.CP002992, GCA_000224535 – 1.CP002980 – CP002981,
 GCA_000224555 – 1.CP002982, GCA_000224575 – 1.CP002983 – CP002984, GCA_000224675 – 1.CP003026 – CP003028,

GCA_000224745 – 1.CP003029 – CP003031, GCA_000224965 – 2.CP003039, GCA_000224985 – 1.CP003032, GCA_000225265 – 1.CP003017 – CP003020, GCA_000225325 – 1.CP002461 – CP002463, GCA_000225345 – 1.CP003040, GCA_000225445 – 1.CP002645 – CP002647, GCA_000225465 – 1.CP002648 – CP002650, GCA_000225915 – 1.CP002914, GCA_000225955 – 1.CP003046, GCA_000226155 – 1.CP002496, GCA_000226275 – 1.CP001937 – CP001938, GCA_000226295 – 1.CP002514 – CP002515, GCA_000226315 – 1.CP002382, GCA_000226565 – 1.CP003060, GCA_000226605 – 1.CP002401 – CP002402, GCA_000226625 – 1.CP003059, GCA_000227175 – 1.CP003062, GCA_000227465 – 1.CP002905, GCA_000227485 – 1.CP002906, GCA_000227605 – 1.CP003061, GCA_000227625 – 1.CP003034 – CP003038, GCA_000227645 – 1.CP002931 – CP002932, GCA_000227665 – 3.CP007030, GCA_000227685 – 3.CP007029, GCA_000227705 – 3.CP003255 – CP003256, GCA_000227745 – 3.CP003154, GCA_000230275 – 1.CP003058, GCA_000230295 – 1.CP003068, GCA_000230555 – 1.CP003075 – CP003076, GCA_000230655 – 3.CP007013, GCA_000230695 – 3.CP003470, GCA_000230895 – 3.CP003169, GCA_000230975 – 3.CP005587, GCA_000230995 – 3.CP003358, GCA_000231175 – 1.CP001221 – CP001222, GCA_000231215 – 1.CP003084, GCA_000231385 – 3.CP003629, GCA_000231405 – 3.CP007032, GCA_000231865 – 1.CP002640, GCA_000231885 – 1.CP002641, GCA_000231905 – 1.CP002644, GCA_000231925 – 1.CP002651, GCA_000233575 – 1.CP002570, GCA_000233595 – 1.CP003085 – CP003086, GCA_000233715 – 3.CP003273, GCA_000233735 – 1.CP003082, GCA_000233755 – 1.CP003094, GCA_000233775 – 1.CP003096 – CP003097, GCA_000233875 – 1.CP002211, GCA_000233895 – 1.CP002212, GCA_000233915 – 4.CP003093, GCA_000234745 – 1.CP003022, GCA_000234825 – 2.CP003101 – CP003105, GCA_000235405 – 3.CP003260, GCA_000235545 – 1.CP003047, GCA_000235585 – 1.CP003107, GCA_000235605 – 1.CP003108, GCA_000235765 – 3.CP003678, GCA_000236065 – 1.CP003087 – CP003092, GCA_000236215 – 4.HG938370 – HG938372, GCA_000236255 – 1.CP003128 – CP003129, GCA_000236405 – 1.CP003015 – CP003016, GCA_000236475 – 1.CP003132 – CP003136, GCA_000236585 – 1.CP003126 – CP003127, GCA_000236605 – 1.CP003125, GCA_000236665 – 1.CP003153, GCA_000236685 – 1.CP003155, GCA_000236705 – 1.CP003156, GCA_000237065 – 1.CP003150, GCA_000237085 – 1.CP003065, GCA_000237125 – 1.CP003166, GCA_000237145 – 1.CP003170, GCA_000237205 – 1.FR872581 – FR872582, GCA_000237305 – 1.FQ859184 – FQ859185, GCA_000237325 – 1.HE577054 – HE577055, GCA_000237845 – 1.CP002428, GCA_000237975 – 1.CP003179 – CP003180, GCA_000237995 – 2.CP003137 – CP003145, GCA_000238175 – 1.CP003176 – CP003177, GCA_000238195 – 1.CP003174 – CP003175, GCA_000238215 – 1.CP003191, GCA_000238995 – 1.CP003199, GCA_000239175 – 1.CP003192, GCA_000239195 – 1.CP003187 – CP003189, GCA_000239235 – 1.CP003193 – CP003194, GCA_000239975 – 1.CP002886 – CP002887, GCA_000240015 – 1.CP003195, GCA_000240035 – 1.CP003196, GCA_000240055 – 1.CP003197, GCA_000240075 – 2.CP003222, GCA_000240325 – 1.CP003218, GCA_000241025 – 2.CP003099, GCA_000241055 – 1.AFVZ01000001 – AFVZ01000002, GCA_000241125 – 1.CP003231, GCA_000241385 – 1.CP003241 – CP003242, GCA_000241855 – 1.CP003152, GCA_000241875 – 1.CP003206, GCA_000241895 – 1.CP003207, GCA_000241915 – 1.CP003208, GCA_000241935 – 1.CP003209, GCA_000242255 – 3.CP003350, GCA_000242335 – 3.CP003368 – CP003371, GCA_000242455 – 3.CP003364 – CP003367, GCA_000242595 – 3.CP003282, GCA_000242635 – 3.CP003349, GCA_000242775 – 1.CP003214, GCA_000242895 – 3.CP005586, GCA_000242915 – 2.AFRZ01000001, GCA_000242935 – 3.CP007053 – CP007054, GCA_000243075 – 1.CP003171 – CP003173, GCA_000243115 – 3.CP007035, GCA_000243135 – 3.CP003344, GCA_000243155 – 3.CP003348, GCA_000244875 – 1.CP003259, GCA_000245355 – 1.CP003275 – CP003277, GCA_000245495 – 1.CP003033, GCA_000245515 – 1.CP003109 – CP003114, GCA_000245535 – 1.CP003278 – CP003279, GCA_000246835 – 1.CP003295 – CP003296, GCA_000246855 – 1.CP003178, GCA_000247605 – 1.CP002987, GCA_000247715 – 1.CP003119 – CP003120, GCA_000248095 – 3.CP011013 – CP011014, GCA_000248375 – 1.CP003077, GCA_000248415 – 1.CP003048, GCA_000248435 – 1.CP003049, GCA_000250635 – 1.CP002831 – CP002832, GCA_000250655 – 1.CP003235, GCA_000250675 – 3.CP003876, GCA_000250855 – 1.CP003330 – CP003331, GCA_000250905 – 1.CP003116, GCA_000250925 – 1.CP003121, GCA_000250945 – 1.CP003351 – CP003354, GCA_000251085 – 2.CP003357, GCA_000252365 – 1.CP003375, GCA_000252445 – 1.CP002191 – CP002197, GCA_000252855 – 1.CP003388, GCA_000252975 – 1.FR687253, GCA_000253035 – 1.FR872580, GCA_000253135 – 1.FR714927 – FR714929, GCA_000253155 – 1.FR720602, GCA_000253255 – 1.FR856859 – FR856862, GCA_000253275 – 1.FQ859182 – FQ859183, GCA_000253295 – 1.FQ859181, GCA_000253315 – 1.FR873482, GCA_000253335 – 1.FR873481, GCA_000253395 – 1.FR875178, GCA_000255115 – 3.CP003639 – CP003641, GCA_000255135 – 1.CP003257 – CP003258, GCA_000255155 – 1.CP003213, GCA_000255175 – 1.CP003210, GCA_000255195 – 1.CP003215, GCA_000255215 – 1.CP003211, GCA_000255235 – 1.CP003212, GCA_000255255 – 1.CP003217, GCA_000255275 – 1.CP003216, GCA_000255295 – 1.CP003389, GCA_000255535 – 1.CP003403 – CP003406, GCA_000255915 – 1.CP003313 – CP003314, GCA_000255935 – 1.CP003385, GCA_000255955 – 1.CP002953 – CP002954, GCA_000257275 – 1.CP002291, GCA_000257545 – 3.CP005960 – CP005961, GCA_000258025 – 1.CP002970 – CP002971, GCA_000258145 – 1.CP002967 – CP002969, GCA_000258245 – 1.CP003252 – CP003254, GCA_000258385 – 1.CP003407, GCA_000258405 – 1.CP003418, GCA_000258535 – 2.CP003422, GCA_000258885 – 1.CP002091 – CP002093, GCA_000258905 – 1.CP003414, GCA_000259155 – 2.CP003421, GCA_000259175 – 1.CP003488, GCA_000259235 – 1.CP003486 – CP003487, GCA_000259255 – 1.CP003479 – CP003480, GCA_000259275 – 1.CP003481 – CP003482, GCA_000259365 – 1.CP003492, GCA_000259545 – 1.CP001409, GCA_000260515 – 1.CP002833 – CP002834, GCA_000260715 – 1.CP002567, GCA_000260925 – 1.CP003415, GCA_000260965 – 1.CP003380 – CP003381, GCA_000260985 – 2.CP003390, GCA_000261025 – 1.CP003502 – CP003503, GCA_000262125 – 1.CP001925 – CP001927, GCA_000262145 –

1.CP003122, GCA_000262165 – 1.CP003491, GCA_000262205 – 1.CP003402, GCA_000262305 – 1.CP001560, GCA_000262325 –
 2.CP003041 – CP003042, GCA_000262385 – 1.CP003332, GCA_000262655 – 1.CP003419 – CP003420, GCA_000262675 –
 1.CP003499, GCA_000262695 – 1.CP003514 – CP003517, GCA_000263195 – 1.CP002961 – CP002966, GCA_000263215 –
 1.CP003312, GCA_000263755 – 2.CP003540, GCA_000264455 – 2.CP003236 – CP003240, GCA_000264665 – 1.CP003588 –
 CP003589, GCA_000264765 – 2.CP006664 – CP006666, GCA_000265095 – 1.CP001361, GCA_000265295 – 1.CP003333,
 GCA_000265365 – 1.CP003274, GCA_000265385 – 1.CP003280, GCA_000265405 – 1.CP003281, GCA_000265425 – 1.CP003379,
 GCA_000265465 – 1.CP003283, GCA_000265505 – 1.CP003345, GCA_000265545 – 1.CP003652, GCA_000266885 – 1.CP002959 –
 CP002960, GCA_000266905 – 1.CP003053 – CP003055, GCA_000266925 – 1.CP003198, GCA_000266945 – 1.CP003360 –
 CP003361, GCA_000267545 – 1.CP003677, GCA_000269925 – 1.AP009332, GCA_000269945 – 1.AP009333, GCA_000269985 –
 1.AP010968, GCA_000270005 – 1.AP011940, GCA_000270025 – 1.AP011941 – AP011942, GCA_000270045 – 1.AP011943 –
 AP011944, GCA_000270065 – 1.AP011945, GCA_000270105 – 1.AP012030, GCA_000270125 – 1.AP012032 – AP012033,
 GCA_000270145 – 1.AP012053, GCA_000270165 – 1.AP012054, GCA_000270225 – 1.AP012203, GCA_000270245 – 1.AP012204,
 GCA_000270265 – 1.AP012205, GCA_000270285 – 1.AP012211, GCA_000270305 – 1.AP012212, GCA_000270345 – 1.CP001641,
 GCA_000270365 – 1.CP001642, GCA_000270385 – 1.CP002804, GCA_000270405 – 1.CP002805, GCA_000270425 – 1.CP002806,
 GCA_000270445 – 1.CP002807, GCA_000270525 – 1.CP002058, GCA_000271325 – 1.AP012157 – AP012158, GCA_000271365 –
 1.CP003149, GCA_000271665 – 2.CP010978, GCA_000271865 – 1.CP003686, GCA_000272715 – 3.CP010283, GCA_000272735 –
 3.CP010281, GCA_000272755 – 3.CP010282, GCA_000272775 – 3.CP010279, GCA_000272795 – 2.CP009565, GCA_000272815 –
 2.CP009561, GCA_000272835 – 3.CP010284, GCA_000272895 – 3.CP010280, GCA_000275625 – 1.AFRY01000001, GCA_000276685 –
 1.CP003264, GCA_000276825 – 1.CP003324, GCA_000277085 – 1.CP003233, GCA_000277105 – 1.CP003234, GCA_000277125 –
 1.CP003322, GCA_000277145 – 1.CP003323, GCA_000277165 – 1.CP003391, GCA_000277185 – 1.CP003392, GCA_000277205 –
 1.CP003393, GCA_000277245 – 1.CP003395, GCA_000277265 – 1.CP003396, GCA_000277285 – 1.CP003397, GCA_000277305 –
 1.CP003398, GCA_000277325 – 1.CP003497, GCA_000277345 – 1.CP003498, GCA_000277365 – 1.CP003472, GCA_000277385 –
 1.CP003473, GCA_000277405 – 1.CP003474, GCA_000277425 – 1.CP003475, GCA_000277715 – 1.CP002734, GCA_000277735 –
 2.CP003248, GCA_000277755 – 1.CP003704 – CP003707, GCA_000277775 – 2.CP003699, GCA_000277795 – 1.CP003703,
 GCA_000279145 – 1.CP003557, GCA_000279165 – 1.CP003725, GCA_000280315 – 2.CP007598 – CP007599, GCA_000280925 –
 3.CP012109, GCA_000281175 – 1.AP012337, GCA_000281195 – 1.CP003726 – CP003728, GCA_000281215 – 1.CP003734,
 GCA_000281235 – 1.CP003731, GCA_000281435 – 2.CP007727 – CP007730, GCA_000281535 – 2.CP008827 – CP008830,
 GCA_000282715 – 1.CP003729, GCA_000283275 – 1.CP003735, GCA_000283295 – 1.CP001663, GCA_000283515 – 1.AP012222 –
 AP012223, GCA_000283535 – 1.AP012224, GCA_000283555 – 1.AP012210, GCA_000283575 – 1.AP012044 – AP012045,
 GCA_000283595 – 1.AP011533, GCA_000283615 – 1.AP012046, GCA_000283675 – 1.AP007209 – AP007214, GCA_000283695 –
 1.HE617159, GCA_000283735 – 1.AP011957 – AP011959, GCA_000283755 – 1.AP012303, GCA_000283775 – 1.CP003306,
 GCA_000283795 – 1.CP003307, GCA_000283815 – 1.CP003309, GCA_000283875 – 1.HE617160 – HE617161, GCA_000283915 –
 1.CP003304, GCA_000283935 – 1.CP003311, GCA_000283955 – 1.CP003305, GCA_000283995 – 1.CP003308, GCA_000284015 –
 1.FO117623, GCA_000284035 – 1.FO082843, GCA_000284055 – 1.CP003334 – CP003337, GCA_000284075 – 1.CP003342 –
 CP003343, GCA_000284095 – 1.AP012292 – AP012301, GCA_000284115 – 1.AP012338 – AP012339, GCA_000284135 –
 1.AP012276, GCA_000284155 – 1.CP003338 – CP003339, GCA_000284175 – 1.CP003340, GCA_000284195 – 1.CP003341,
 GCA_000284215 – 1.AP012277, GCA_000284235 – 1.AP012048 – AP012049, GCA_000284255 – 1.AP012320, GCA_000284275 –
 1.AP012279, GCA_000284295 – 1.AP012319, GCA_000284315 – 1.AP012342, GCA_000284335 – 1.AP012051, GCA_000284355 –
 1.AP012047, GCA_000284375 – 1.AP012206, GCA_000284395 – 1.HE774679, GCA_000284415 – 2.HE663493, GCA_000284435 –
 1.AP012209, GCA_000284455 – 1.AP012278, GCA_000284495 – 1.CU651637, GCA_000284555 – 1.AP012280, GCA_000284575 –
 1.AP012336, GCA_000284615 – 1.FO203363, GCA_000284635 – 1.AP012344 – AP012345, GCA_000285655 – 3.HG941718 –
 HG941720, GCA_000286275 – 1.CP003737, GCA_000286435 – 2.CP004345, GCA_000286675 – 1.CP003506, GCA_000286695 –
 1.CP003507, GCA_000286715 – 1.CP003508, GCA_000286735 – 1.CP003509, GCA_000286755 – 1.CP003510, GCA_000286775 –
 1.CP003511, GCA_000286795 – 1.CP003512, GCA_000286815 – 1.CP003513, GCA_000287215 – 3.CP007567 – CP007568,
 GCA_000287235 – 1.CP003541, GCA_000287255 – 1.CP003542, GCA_000287275 – 1.CP003543, GCA_000287295 – 1.CP003544,
 GCA_000287315 – 1.CP003545, GCA_000287335 – 1.CP003546, GCA_000287355 – 1.CP003547, GCA_000292405 – 1.CP003770,
 GCA_000292415 – 1.CP003747 – CP003751, GCA_000292445 – 1.CP003771, GCA_000292455 – 1.CP003752 – CP003760,
 GCA_000292485 – 1.CP003772, GCA_000292505 – 1.CP003773, GCA_000292685 – 1.CP003708, GCA_000292705 – 1.CP003763 –
 CP003769, GCA_000292915 – 1.CP003774 – CP003775, GCA_000293765 – 1.CP003783, GCA_000293885 – 3.CP010945,
 GCA_000294365 – 1.CP003785, GCA_000294495 – 1.CP003736, GCA_000294535 – 1.CP003776, GCA_000294635 – 1.CP003781 –
 CP003782, GCA_000294695 – 2.CP003203 – CP003205, GCA_000294715 – 1.CP003784, GCA_000295655 – 1.CP003787,
 GCA_000296575 – 1.CP003490, GCA_000296595 – 1.CP003808, GCA_000297055 – 2.AP013066 – AP013067, GCA_000297075 –
 2.HG916826, GCA_000298385 – 1.CP003835, GCA_000298415 – 1.CP003791, GCA_000298875 – 1.CP003839, GCA_000299015 –
 1.CP001845, GCA_000299095 – 1.CP003809, GCA_000299115 – 1.CP003801, GCA_000299135 – 1.CP003810, GCA_000299235 –
 1.CP002919, GCA_000299255 – 1.CP003297 – CP003300, GCA_000299335 – 2.CP004387, GCA_000299355 – 1.CP003326 –

CP003327, GCA_000299435 – 1.CP003063, GCA_000299455 – 1.CP003289 – CP003292, GCA_000299475 – 1.CP003301 – CP003303, GCA_000299955 – 1.CP003844, GCA_000299965 – 1.CP003230, GCA_000299995 – 1.CP003845, GCA_000300005 – 1.CP003466, GCA_000300035 – 1.CP003867, GCA_000300045 – 1.CP003866, GCA_000300075 – 1.CP003868, GCA_000300095 – 1.CP003863 – CP003865, GCA_000300175 – 1.CP003873 – CP003874, GCA_000300235 – 2.CP004388 – CP004389, GCA_000300295 – 2.CP011849 – CP011852, GCA_000300455 – 3.CP007215, GCA_000300475 – 1.CP003687 – CP003694, GCA_000302475 – 2.CP003919, GCA_000302515 – 1.CP003877, GCA_000302535 – 1.CP003872, GCA_000302575 – 1.CP003856, GCA_000304215 – 1.CP003325, GCA_000304315 – 1.HE956757, GCA_000304415 – 1.HE995405 – HE995408, GCA_000304455 – 1.HE983995 – HE983996, GCA_000304735 – 1.CP003882, GCA_000305335 – 1.CP002888 – CP002889, GCA_000305775 – 1.CP003869, GCA_000305785 – 2.CP003746, GCA_000305815 – 1.CP003870, GCA_000305935 – 1.CP003732, GCA_000306745 – 1.CP003889 – CP003898, GCA_000306785 – 1.FO203431, GCA_000306805 – 1.AP010969, GCA_000306845 – 1.FQ958211, GCA_000306885 – 1.HE660029, GCA_000306905 – 1.FR733645, GCA_000306985 – 1.FR733650, GCA_000307005 – 1.FR733649, GCA_000307025 – 1.FR733643, GCA_000307045 – 1.FR733647, GCA_000307065 – 1.FR733651, GCA_000307085 – 1.FR733642, GCA_000307105 – 1.FO203503, GCA_000307165 – 1.AP012050, GCA_000307535 – 1.CP003901, GCA_000307615 – 1.FR733644, GCA_000307795 – 1.CP003904, GCA_000307815 – 1.CP003905, GCA_000307835 – 1.CP003906, GCA_000307975 – 2.CP007577 – CP007580, GCA_000309885 – 1.CP003249 – CP003251, GCA_000310065 – 1.CP003493, GCA_000310085 – 2.CP003917 – CP003918, GCA_000310105 – 1.AMYA01000001 – AMYA01000146, GCA_000311765 – 1.CP003926 – CP003927, GCA_000312685 – 1.CP003157 – CP003165, GCA_000312705 – 1.CP003284 – CP003288, GCA_000313175 – 2.CP006694 – CP006695, GCA_000313385 – 1.CP003932, GCA_000313635 – 1.CP003914, GCA_000315955 – 1.CP003483 – CP003485, GCA_000316175 – 1.CP003880, GCA_000316515 – 1.CP003495, GCA_000316575 – 1.CP003943, GCA_000316605 – 1.CP003946, GCA_000316625 – 1.CP003548, GCA_000316645 – 1.CP003552 – CP003554, GCA_000316665 – 1.CP003549 – CP003551, GCA_000316685 – 1.CP003558 – CP003559, GCA_000317025 – 1.CP003590, GCA_000317045 – 1.CP003591, GCA_000317065 – 1.CP003592 – CP003593, GCA_000317085 – 1.CP003594 – CP003596, GCA_000317105 – 1.CP003607 – CP003609, GCA_000317125 – 1.CP003597 – CP003599, GCA_000317435 – 1.CP003610 – CP003613, GCA_000317475 – 1.CP003614 – CP003619, GCA_000317495 – 1.CP003620 – CP003628, GCA_000317515 – 1.CP003630 – CP003638, GCA_000317555 – 1.CP003646 – CP003650, GCA_000317575 – 1.CP003653 – CP003658, GCA_000317615 – 1.CP003944, GCA_000317635 – 1.CP003945, GCA_000317655 – 1.CP003940, GCA_000317675 – 1.CP003947 – CP003948, GCA_000317695 – 1.CP003659 – CP003665, GCA_000317835 – 1.CP003382 – CP003384, GCA_000317855 – 1.HE858529, GCA_000317875 – 1.CP003476 – CP003478, GCA_000317895 – 1.CP002930, GCA_000317915 – 1.HF558530, GCA_000317975 – 2.HE999757, GCA_000318035 – 1.HE970764 – HE970765, GCA_000318055 – 1.HF558398, GCA_000318825 – 1.HE601950, GCA_000318885 – 1.HE601954, GCA_000319225 – 1.CP003978, GCA_000319245 – 1.CP003733, GCA_000319385 – 1.CP003539, GCA_000319475 – 1.CP003838, GCA_000319575 – 2.CP005963, GCA_000321395 – 1.CP003695, GCA_000321415 – 1.CP003989, GCA_000325665 – 1.CP002873, GCA_000325705 – 1.CP003346, GCA_000325725 – 1.CP003738 – CP003739, GCA_000325745 – 1.CP003789, GCA_000327045 – 1.CP003051 – CP003052, GCA_000327065 – 1.CP003071 – CP003074, GCA_000328405 – 1.CP003972 – CP003973, GCA_000328545 – 1.CP003066 – CP003067, GCA_000328565 – 1.CP003078 – CP003081, GCA_000328625 – 1.CP003359, GCA_000328705 – 1.HE804045, GCA_000328725 – 1.HF559394, GCA_000329365 – 2.CP007528 – CP007529, GCA_000330485 – 2.CP012347 – CP012348, GCA_000330845 – 1.CP003938, GCA_000330865 – 1.CP003942, GCA_000330885 – 1.CP004015 – CP004018, GCA_000331065 – 1.CP003903, GCA_000331085 – 2.CP003913, GCA_000331445 – 1.HE663067, GCA_000331695 – 1.CP004020, GCA_000331715 – 1.CP004029 – CP004032, GCA_000331735 – 1.CP004025, GCA_000331975 – 1.CP003263, GCA_000331995 – 1.CP004044, GCA_000332115 – 1.CP001397, GCA_000332735 – 1.CP003668 – CP003676, GCA_000334405 – 1.CP003605 – CP003606, GCA_000334515 – 1.FO203353 – FO203355, GCA_000335875 – 2.CP011394 – CP011395, GCA_000336405 – 1.CP004063 – CP004064, GCA_000336425 – 1.CP003959 – CP003960, GCA_000336445 – 1.CP004008, GCA_000336465 – 1.CP004045, GCA_000338095 – 1.CP004085, GCA_000338695 – 1.CP002744, GCA_000338715 – 2.CP003900, GCA_000338735 – 1.CP004019, GCA_000338755 – 1.CP004069 – CP004076, GCA_000339015 – 1.CP004091 – CP004094, GCA_000340785 – 1.CP003265 – CP003272, GCA_000340795 – 1.CP003803, GCA_000340825 – 1.CP003804, GCA_000340845 – 1.CP003720 – CP003722, GCA_000340865 – 1.CP003805, GCA_000340885 – 1.CP004121 – CP004122, GCA_000340905 – 1.CP003806, GCA_000340925 – 1.CP003807, GCA_000341345 – 1.CP003697 – CP003698, GCA_000341355 – 1.CP003123, GCA_000341385 – 1.CP003124, GCA_000341395 – 1.CP003985 – CP003986, GCA_000341655 – 1.CP004079, GCA_000341665 – 1.CP004123 – CP004137, GCA_000341695 – 1.CP004080, GCA_000341855 – 1.CP004347, GCA_000342265 – 1.CP004348, GCA_000344575 – 1.AP012281, GCA_000344745 – 1.CP003329, GCA_000344765 – 1.CP003922, GCA_000344785 – 1.CP004354 – CP004356, GCA_000344805 – 1.AP012603, GCA_000346065 – 1.CP004138 – CP004140, GCA_000346595 – 1.CP004005, GCA_000347595 – 1.CP003745, GCA_000347615 – 1.CP003885 – CP003886, GCA_000347635 – 1.CP003837, GCA_000347675 – 2.CP004036 – CP004041, GCA_000347695 – 1.CP004346, GCA_000348565 – 1.CP004141, GCA_000348585 – 1.CP004399 – CP004402, GCA_000348705 – 1.ALJW01000001 – ALJW01000002, GCA_000348725 – 1.CP003537, GCA_000348745 – 1.CP003538, GCA_000348765 – 2.CP004390, GCA_000348785 – 1.AP012057, GCA_000348865 – 1.AP012600, GCA_000348885 – 1.AP012601 – AP012602, GCA_000349225 – 1.CP003778 – CP003780, GCA_000349745 – 1.CP004358, GCA_000349765 – 1.CP004752, GCA_000349785 – 1.CP004753, GCA_000349795 – 1.CP004405,

GCA_000349845 – 1.CP004143, GCA_000349945 – 1.AP012304 – AP012305, GCA_000349975 – 1.AP012492, GCA_000350185 – 1.AP012306, GCA_000350205 – 1.AP012340, GCA_000354175 – 2.CP006718 – CP006719, GCA_000359505 – 1.CP004061, GCA_000359525 – 1.CP004370, GCA_000359625 – 1.AP012167 – AP012176, GCA_000363905 – 1.CP004888, GCA_000364725 – 1.CP003881, GCA_000364765 – 1.CP003963 – CP003964, GCA_000364785 – 1.CP003965 – CP003966, GCA_000364805 – 1.CP003990 – CP003991, GCA_000364825 – 1.CP005082, GCA_000367205 – 1.CP005287, GCA_000367405 – 1.CP004889, GCA_000367425 – 1.CP004142, GCA_000376585 – 1.CP003883, GCA_000376605 – 1.CP003884, GCA_000376625 – 1.CP004357, GCA_000376645 – 1.CP005383, GCA_000376705 – 1.CP003293 – CP003294, GCA_000380335 – 1.CP005094, GCA_000380365 – 1.CP005095, GCA_000382905 – 1.HE802067, GCA_000382925 – 1.HE999704, GCA_000382945 – 1.HE999705, GCA_000382965 – 1.HE579065 – HE579066, GCA_000382985 – 1.HE579067 – HE579068, GCA_000383005 – 1.HE579073 – HE579074, GCA_000385525 – 1.CP004095 – CP004096, GCA_000385905 – 1.CP002099, GCA_000385925 – 1.CP004409, GCA_000385945 – 1.CP005080, GCA_000389635 – 1.CP003261 – CP003262, GCA_000389675 – 2.CP005926, GCA_000389905 – 1.CP004886, GCA_000389925 – 1.CP005386, GCA_000389945 – 1.CP005387, GCA_000389965 – 1.CP005929, GCA_000390085 – 1.CP005928, GCA_000390245 – 1.CP003993, GCA_000390265 – 1.CP004077, GCA_000392435 – 1.CP005957, GCA_000392455 – 3.CP005490, GCA_000392475 – 3.CP005491, GCA_000392515 – 3.CP005492, GCA_000392535 – 3.CP005493, GCA_000397165 – 1.CP005958, GCA_000397185 – 1.CP002548, GCA_000397205 – 1.CP003190, GCA_000400615 – 1.CP002884, GCA_000400635 – 2.CP003410 – CP003411, GCA_000400855 – 1.CP003131, GCA_000400875 – 1.CP003723 – CP003724, GCA_000400935 – 1.CP005077, GCA_000400955 – 1.CP005078, GCA_000401175 – 1.CP005964, GCA_000401555 – 1.CP005966, GCA_000402035 – 1.AP013058 – AP013062, GCA_000403625 – 1.CP005941, GCA_000404145 – 1.CP004047, GCA_000404185 – 1.CP004048, GCA_000404205 – 1.CP005079, GCA_000404245 – 1.CP003730, GCA_000406765 – 2.CP011980 – CP011984, GCA_000408885 – 1.CP005965, GCA_000410515 – 1.CP005991 – CP005992, GCA_000410575 – 1.CP005976, GCA_000410995 – 1.CP006011 – CP006017, GCA_000412205 – 1.CP006033 – CP006043, GCA_000412265 – 2.CP011664 – CP011667, GCA_000412675 – 1.AP013070, GCA_000412695 – 1.AP013068 – AP013069, GCA_000412755 – 1.CP003982 – CP003983, GCA_000412775 – 1.CP006044 – CP006045, GCA_000414035 – 1.CP006245, GCA_000414215 – 1.CP004053, GCA_000416365 – 2.CP009914, GCA_000417085 – 2.CP011989 – CP011993, GCA_000417225 – 2.CP011976 – CP011979, GCA_000417265 – 2.CP011985 – CP011988, GCA_000418305 – 1.CP006265 – CP006268, GCA_000418325 – 1.CP003969, GCA_000418345 – 1.CP005288 – CP005289, GCA_000418365 – 1.CP003696, GCA_000418475 – 1.CP005484, GCA_000418495 – 1.CP005485, GCA_000418515 – 1.CP005486 – CP005487, GCA_000419405 – 1.CP003847 – CP003848, GCA_000422045 – 1.CP006366, GCA_000422085 – 1.CP006252 – CP006253, GCA_000422095 – 1.CP006574, GCA_000422125 – 1.CP006578, GCA_000422145 – 1.CP005972, GCA_000422165 – 1.CP002081, GCA_000427035 – 1.HF952104, GCA_000427055 – 1.HF952106, GCA_000427075 – 1.HF952105, GCA_000427215 – 1.CP003802, GCA_000427275 – 1.CP006573, GCA_000430085 – 2.CP005389 – CP005391, GCA_000430125 – 1.CP006055 – CP006057, GCA_000430165 – 1.CP006602, GCA_000430385 – 1.CP006006, GCA_000430405 – 1.CP006004 – CP006005, GCA_000430425 – 1.CP006007 – CP006008, GCA_000438585 – 1.CP006594 – CP006595, GCA_000438605 – 1.CP006591, GCA_000438625 – 1.CP006592, GCA_000438645 – 1.CP006593, GCA_000438665 – 1.CP006596, GCA_000438825 – 1.CP006566, GCA_000439255 – 1.CP006608 – CP006609, GCA_000439275 – 1.CP006603, GCA_000439295 – 2.CP006610, GCA_000439395 – 1.CP005384, GCA_000439415 – 1.CP006053 – CP006054, GCA_000439435 – 1.CP005074 – CP005075, GCA_000439455 – 1.CP005076, GCA_000439475 – 1.CP004846 – CP004847, GCA_000439495 – 1.CP004848, GCA_000439535 – 1.CP004851, GCA_000439555 – 1.CP004852, GCA_000439575 – 1.CP004853 – CP004854, GCA_000439595 – 1.CP004855, GCA_000439695 – 1.CP006469 – CP006470, GCA_000439735 – 1.CP006619, GCA_000439755 – 1.CP006616, GCA_000439775 – 1.CP006617, GCA_000441535 – 1.CP003025, GCA_000441555 – 1.CP003468 – CP003469, GCA_000441575 – 1.CP003467, GCA_000441585 – 1.CP002671, GCA_000441615 – 1.CP002672, GCA_000441635 – 1.CP002673, GCA_000441655 – 1.CP002674, GCA_000441675 – 1.CP002675, GCA_000441695 – 1.CP002676, GCA_000441715 – 1.CP002677, GCA_000441735 – 1.CP002678, GCA_000441755 – 1.CP002679, GCA_000441775 – 1.CP002680, GCA_000441795 – 1.CP002681, GCA_000441815 – 1.CP002682, GCA_000442415 – 1.CP006631, GCA_000442435 – 1.CP005950 – CP005956, GCA_000442605 – 1.CP006059, GCA_000442635 – 1.CP006060, GCA_000442645 – 1.CP003924 – CP003925, GCA_000444405 – 1.CP006620 – CP006626, GCA_000444425 – 1.CP004022, GCA_000444445 – 1.CP006575, GCA_000444465 – 1.CP005925, GCA_000444875 – 1.CP006259 – CP006261, GCA_000444995 – 1.CP006650 – CP006655, GCA_000445035 – 1.CP004374 – CP004376, GCA_000445405 – 1.CP006656 – CP006658, GCA_000445995 – 2.CP006254 – CP006255, GCA_000447675 – 1.CP004120, GCA_000452705 – 3.CP007014 – CP007015, GCA_000454025 – 1.CP003777, GCA_000454045 – 1.CP003761 – CP003762, GCA_000455565 – 1.HG328253, GCA_000455585 – 1.HG328254, GCA_000455605 – 1.HE774682, GCA_000462955 – 1.CP006706, GCA_000462975 – 1.CP006699 – CP006701, GCA_000462995 – 1.CP003786, GCA_000463015 – 1.CP003911 – CP003912, GCA_000463055 – 1.CP003979 – CP003981, GCA_000463355 – 1.CP003857, GCA_000463385 – 1.CP003858, GCA_000463395 – 1.CP003800, GCA_000463425 – 1.CP003859, GCA_000463445 – 1.CP003840, GCA_000463465 – 1.CP003860, GCA_000463505 – 1.CP003861, GCA_000464435 – 1.CP006605 – CP006607, GCA_000465235 – 1.CP004066 – CP004068, GCA_000465255 – 1.CP005967, GCA_000466065 – 2.CP006707, GCA_000466075 – 2.CP006709 – CP006710, GCA_000466105 – 2.CP006708, GCA_000468515 – 1.CP006584, GCA_000468615 – 2.CP009976, GCA_000468915 – 2.CP006729, GCA_000468955 – 1.CP004884, GCA_000470765 – 1.CP004033, GCA_000470775 – 1.CP006734,

GCA_000470805 – 1.CP004034, GCA_000470825 – 1.CP004035, GCA_000470845 – 1.CP003603, GCA_000470865 – 1.CP003604,
 GCA_000471925 – 1.CP006667 – CP006669, GCA_000471945 – 1.CP003941, GCA_000471965 – 1.CP005488 – CP005489,
 GCA_000471985 – 1.CP006645, GCA_000473245 – 1.CP006643, GCA_000473275 – 1.CP006717, GCA_000473745 – 3.CP008739,
 GCA_000473995 – 1.CP006721, GCA_000474015 – 1.CP006648, GCA_000477035 – 2.CP009887, GCA_000477415 – 1.CP006771,
 GCA_000477435 – 1.CP004885, GCA_000478255 – 2.CP009054 – CP009055, GCA_000478825 – 2.CP007542 – CP007545,
 GCA_000478885 – 1.AP013105, GCA_000478905 – 1.AP012554, GCA_000478925 – 1.AP013072, GCA_000479315 – 1.CP006776,
 GCA_000479335 – 1.CP006805, GCA_000479355 – 1.CP006778, GCA_000484195 – 2.CP011259, GCA_000484535 – 1.CP003587,
 GCA_000485885 – 1.CP006838 – CP006840, GCA_000485905 – 1.CP005990, GCA_000486365 – 2.CP011396, GCA_000486405 –
 2.CP007505, GCA_000486445 – 2.CP012349, GCA_000486765 – 2.CP012346, GCA_000487295 – 2.CP012344 – CP012345,
 GCA_000487575 – 2.CP007531, GCA_000487615 – 2.CP007534, GCA_000487775 – 2.CP007533, GCA_000487915 – 2.CP007532,
 GCA_000493375 – 1.HG514499 – HG514500, GCA_000493495 – 1.HG428754, GCA_000493735 – 1.CP006812 – CP006817,
 GCA_000493755 – 1.CP006784 – CP006789, GCA_000493775 – 1.AP012976, GCA_000494755 – 1.CP006272, GCA_000494775 –
 1.CP006702 – CP006703, GCA_000494835 – 1.CP006845, GCA_000494855 – 1.CP003976 – CP003977, GCA_000494875 –
 1.CP004014, GCA_000494895 – 1.CP006246, GCA_000494915 – 1.CP003961 – CP003962, GCA_000495455 – 2.CP009974 –
 CP009975, GCA_000495505 – 1.CP006833, GCA_000495935 – 2.CP007547, GCA_000496265 – 1.CP006854, GCA_000496285 –
 1.CP006863 – CP006865, GCA_000496595 – 1.CP006604, GCA_000496605 – 1.CP004054, GCA_000496635 – 1.CP006866,
 GCA_000496645 – 1.CP004055, GCA_000496815 – 1.CP006849, GCA_000497265 – 2.AP014547, GCA_000497505 – 1.CP006736 –
 CP006737, GCA_000498315 – 1.CP006888, GCA_000498335 – 1.CP006889, GCA_000498675 – 1.CP006811, GCA_000498975 –
 2.CP009365, GCA_000499365 – 1.CP006730, GCA_000499665 – 2.LN794217, GCA_000499805 – 2.CP011913, GCA_000500935 –
 1.CP006682, GCA_000503835 – 1.CP006914, GCA_000503845 – 1.CP006876, GCA_000503895 – 1.CP006912, GCA_000503915 –
 1.CP006915, GCA_000504045 – 1.CP006853, GCA_000504125 – 1.AP013036 – AP013041, GCA_000504545 – 1.CP006731 –
 CP006733, GCA_000505705 – 1.CP005994 – CP005995, GCA_000505725 – 1.CP006875, GCA_000507225 – 1.CP006945 –
 CP006946, GCA_000507245 – 1.CP006939, GCA_000508205 – 1.CP006852, GCA_000508225 – 1.CP006917, GCA_000508245 –
 1.CP006935, GCA_000508265 – 1.CP006952, GCA_000508765 – 1.CP006937, GCA_000510265 – 1.CP006745, GCA_000510285 –
 1.CP006978, GCA_000510305 – 1.CP006931, GCA_000510325 – 1.CP006979, GCA_000511305 – 1.CP006996 – CP006998,
 GCA_000511325 – 1.CP007012, GCA_000511355 – 1.CP006773 – CP006775, GCA_000511385 – 1.CP006966 – CP006973,
 GCA_000511405 – 1.CP003355 – CP003356, GCA_000511895 – 1.CP004001 – CP004002, GCA_000511915 – 1.CP004003 –
 CP004004, GCA_000512125 – 1.CP007025, GCA_000512165 – 1.CP003994 – CP004000, GCA_000512185 – 1.CP006579,
 GCA_000512355 – 1.CP004006 – CP004007, GCA_000512375 – 1.CP006580, GCA_000512395 – 1.CP003328, GCA_000512735 –
 1.CP007028, GCA_000512745 – 1.CP006999 – CP007002, GCA_000512775 – 1.CP001974 – CP001975, GCA_000512835 –
 1.CP001970 – CP001972, GCA_000512895 – 1.CP007033, GCA_000512915 – 1.CP007034, GCA_000512955 – 1.CP000574,
 GCA_000513295 – 1.HG794546, GCA_000513355 – 1.CBVU010000001 – CBVU010000008, GCA_000513395 – 1.CBVT010000001 –
 CBVT010000008, GCA_000513415 – 1.CBVS010000001 – CBVS010000008, GCA_000513475 – 1.HG793133, GCA_000517305 –
 1.CP007039, GCA_000517365 – 1.CP002082, GCA_000517565 – 1.CP007051 – CP007052, GCA_000517605 – 1.CP007045 –
 CP007050, GCA_000520015 – 2.CP007044, GCA_000520035 – 1.CP006027 – CP006029, GCA_000520055 – 1.CP006262 –
 CP006264, GCA_000520875 – 1.CP007067 – CP007070, GCA_000520895 – 1.CP004023 – CP004024, GCA_000521505 –
 1.CP003915 – CP003916, GCA_000521525 – 1.CP002697 – CP002698, GCA_000521545 – 1.CP002699 – CP002700, GCA_000521565 –
 1.CP002701 – CP002702, GCA_000521585 – 1.CP002703 – CP002704, GCA_000521605 – 1.CP006942, GCA_000521645 –
 1.CP004042 – CP004043, GCA_000521655 – 1.CP006943, GCA_000521685 – 1.CP006953, GCA_000521695 – 1.CP006944,
 GCA_000521725 – 1.CP006954, GCA_000521745 – 1.CP006955, GCA_000521765 – 1.CP006956, GCA_000522985 – 1.CP007127 –
 CP007130, GCA_000523045 – 1.AP012496, GCA_000523235 – 1.CP006850, GCA_000524555 – 1.CP007154, GCA_000524575 –
 1.CP007148, GCA_000524595 – 1.CP007147, GCA_000525635 – 1.CP007155, GCA_000525655 – 1.CP007156 – CP007157,
 GCA_000525675 – 1.CP002190, GCA_000525715 – 1.CP002427, GCA_000550745 – 1.CP004081, GCA_000550765 – 1.CP004360 –
 CP004365, GCA_000550785 – 1.CP004350 – CP004352, GCA_000550805 – 1.CP004353, GCA_0005565155 – 1.CP007172,
 GCA_0005565175 – 1.CP006681, GCA_0005565195 – 1.CP006720, GCA_0005565215 – 1.CP006934, GCA_000567905 – 1.CP004089 –
 CP004090, GCA_000567925 – 1.CP004097 – CP004098, GCA_000567945 – 1.CP004117 – CP004118, GCA_000568455 –
 1.CP007176 – CP007178, GCA_000568475 – 1.CP007160, GCA_000568495 – 1.CP007004 – CP007006, GCA_000568815 –
 1.CP007201, GCA_000568935 – 1.CP007210, GCA_000568955 – 1.CP006711, GCA_000568975 – 1.CP006712, GCA_000569015 –
 1.CP006713, GCA_000569035 – 1.CP006714, GCA_000569055 – 1.CP006715, GCA_000569075 – 1.CP006716, GCA_000572125 –
 1.CP002871, GCA_000572155 – 1.CP002882, GCA_000572175 – 1.CP002883, GCA_000572195 – 1.CP002885, GCA_000576085 –
 1.CP003181, GCA_000576145 – 1.CP003182, GCA_000576165 – 1.CP003715 – CP003719, GCA_000576185 – 1.CP003183,
 GCA_000576555 – 1.CP007143 – CP007146, GCA_000577275 – 1.HG916852 – HG916855, GCA_000577895 – 1.HG917868 –
 HG917869, GCA_000582515 – 1.CP007230 – CP007231, GCA_000582535 – 1.CP006932, GCA_000582555 – 1.CP006829,
 GCA_000582665 – 1.CP007122 – CP007126, GCA_000582845 – 1.HG421741, GCA_000583065 – 1.CP007244, GCA_000583105 –
 1.CP006742 – CP006744, GCA_000583755 – 1.CP007183 – CP007187, GCA_000583775 – 1.CP007181 – CP007182, GCA_000583795 –

1.CP007179 – CP007180, GCA_000583835 – 1.CP004368 – CP004369, GCA_000583855 – 1.CP004373, GCA_000583875 –
 1.CP006571 – CP006572, GCA_000585995 – 1.CP007410, GCA_000590455 – 1.CP007436, GCA_000590475 – 1.CP007441,
 GCA_000590555 – 1.CP006365, GCA_000590575 – 1.CP006671, GCA_000590615 – 1.CP006673, GCA_000590635 – 1.CP006674,
 GCA_000590675 – 1.CP006676, GCA_000590755 – 1.CP006680, GCA_000590775 – 1.CP006691, GCA_000590795 – 1.CP006896 –
 CP006897, GCA_000590815 – 1.CP006898 – CP006899, GCA_000590925 – 1.CP004372, GCA_000597785 – 2.CP009706,
 GCA_000597845 – 1.CP007265, GCA_000597865 – 1.CP007452 – CP007453, GCA_000597945 – 1.CP007448 – CP007450,
 GCA_000597965 – 1.CP007454 – CP007455, GCA_000597985 – 1.CP006872, GCA_000598005 – 1.CP006923 – CP006928,
 GCA_000599545 – 1.CP003949 – CP003958, GCA_000599625 – 1.CP007390, GCA_000599645 – 1.CP007391, GCA_000599665 –
 1.CP007392, GCA_000599685 – 1.CP007393, GCA_000599705 – 1.CP007394, GCA_000599965 – 1.CP007482, GCA_000599985 –
 1.CP007445, GCA_000600005 – 1.CP007446, GCA_000600015 – 1.CP007492, GCA_000600045 – 1.CP006820, GCA_000600055 –
 1.CP006961 – CP006962, GCA_000600085 – 1.CP006821, GCA_000600105 – 1.CP006837, GCA_000600125 – 1.CP006822,
 GCA_000600145 – 1.CP006823, GCA_000600165 – 1.CP006824, GCA_000600185 – 1.CP006825, GCA_000600205 – 1.CP006826,
 GCA_000600225 – 1.CP006827, GCA_000604045 – 1.CP007502, GCA_000604125 – 1.CP003679, GCA_000612055 – 1.CP007519,
 GCA_000612075 – 1.CP007518, GCA_000612325 – 1.CP007507 – CP007508, GCA_000612485 – 1.CP007494, GCA_000612685 –
 1.HG916765, GCA_000612765 – 1.HG969191, GCA_000612965 – 1.HG965802, GCA_000613085 – 1.HG813247 – HG813248,
 GCA_000623075 – 1.CP007270, GCA_000623095 – 1.CP007271, GCA_000623115 – 1.CP007272, GCA_000623135 – 1.CP007273,
 GCA_000623155 – 1.CP007274, GCA_000623175 – 1.CP007266, GCA_000623195 – 2.CP007267, GCA_000623275 – 1.CP007263,
 GCA_000623295 – 1.CP007258, GCA_000623315 – 1.CP007259, GCA_000623335 – 1.CP007260, GCA_000623355 – 1.CP007261,
 GCA_000623375 – 1.CP007262, GCA_000623755 – 1.CP007320, GCA_000623775 – 1.CP007321, GCA_000623795 – 1.CP007322,
 GCA_000624155 – 1.CP007332, GCA_000624395 – 2.CP007329, GCA_000626115 – 1.CP007420, GCA_000626135 – 1.CP007421,
 GCA_000626155 – 1.CP007422, GCA_000626175 – 1.CP007175, GCA_000626195 – 1.CP007245, GCA_000626215 – 1.CP007246,
 GCA_000626235 – 1.CP007247, GCA_000626255 – 1.CP007248, GCA_000626275 – 2.CP007249, GCA_000626295 – 1.CP007250,
 GCA_000626315 – 1.CP007251, GCA_000626335 – 1.CP007252, GCA_000626355 – 1.CP007253, GCA_000626375 – 1.CP007254,
 GCA_000626395 – 1.CP007438, GCA_000626415 – 1.CP007463, GCA_000626475 – 1.CP007466, GCA_000626495 – 1.CP007467,
 GCA_000626515 – 1.CP007468, GCA_000626535 – 1.CP007469, GCA_000626595 – 1.CP007524, GCA_000626615 – 1.CP007539,
 GCA_000626635 – 1.CP007451, GCA_000626675 – 1.CP006842 – CP006843, GCA_000632395 – 1.CP007546, GCA_000632415 –
 1.CP004887, GCA_000632435 – 1.CP005081, GCA_000632475 – 2.CP007793 – CP007798, GCA_000632805 – 1.CP007444,
 GCA_000632815 – 1.CP007473, GCA_000632845 – 1.CP007474, GCA_000632865 – 1.CP007475, GCA_000632885 – 1.CP007476,
 GCA_000632905 – 1.CP007477, GCA_000632925 – 1.CP007478, GCA_000632945 – 1.CP007479, GCA_000632965 – 1.CP007480,
 GCA_000632985 – 1.CP007481, GCA_000633175 – 1.CP007566, GCA_000635955 – 1.CP007576, GCA_000636115 – 1.CP007565,
 GCA_000636135 – 1.CP007581 – CP007582, GCA_000648515 – 1.CP007557 – CP007558, GCA_000648525 – 1.CP007586,
 GCA_000648555 – 1.CP007587, GCA_000648735 – 2.CP011972 – CP011973, GCA_000661895 – 1.CP007514 – CP007517,
 GCA_000662395 – 1.CP007133 – CP007135, GCA_000671295 – 1.CP007136 – CP007138, GCA_000681515 – 1.CP007600,
 GCA_000685625 – 1.CP007603, GCA_000685665 – 1.CP007604, GCA_000685705 – 1.CP007605, GCA_000685725 – 1.CP006890,
 GCA_000685745 – 1.CP007606, GCA_000688775 – 2.CP007628, GCA_000689235 – 1.HG939456, GCA_000689355 – 1.HG969192 –
 HG969193, GCA_000689415 – 1.HG322950, GCA_000691545 – 1.CP007564, GCA_000691565 – 1.CP007620, GCA_000691585 –
 1.CP007629 – CP007630, GCA_000691605 – 1.CP007656, GCA_000695215 – 1.CP007659, GCA_000695235 – 1.CP007574 –
 CP007575, GCA_000695835 – 1.CP007521, GCA_000695855 – 2.CP007535, GCA_000695875 – 1.CP007690, GCA_000695895 –
 1.CP007755, GCA_000695935 – 1.CP007731 – CP007736, GCA_000695975 – 1.CP007243, GCA_000695995 – 1.CP005927,
 GCA_000696015 – 1.CP005933, GCA_000696465 – 1.CP007744, GCA_000696485 – 1.CP007757, GCA_000696505 – 1.CP006770,
 GCA_000698245 – 1.CP007691 – CP007692, GCA_000698285 – 1.CP007693 – CP007694, GCA_000698325 – 1.CP007697 –
 CP007698, GCA_000698345 – 1.CP007720 – CP007721, GCA_000698365 – 1.CP007805, GCA_000698475 – 1.CP007803,
 GCA_000698805 – 1.CP006696 – CP006697, GCA_000698825 – 1.CP006739 – CP006740, GCA_000698845 – 1.CP006986 –
 CP006991, GCA_000698865 – 1.CP008696, GCA_000698885 – 1.CP006819, GCA_000699025 – 1.CP007695 – CP007696,
 GCA_000699475 – 1.CP008699, GCA_000699505 – 1.CP007490, GCA_000706665 – 1.CP007809, GCA_000706685 – 1.CP007208 –
 CP007209, GCA_000706705 – 1.CP007409, GCA_000706725 – 1.CP003923, GCA_000706745 – 1.CP004383 – CP004384,
 GCA_000706765 – 1.CP006018, GCA_000709415 – 1.CP008724, GCA_000709435 – 1.CP008713, GCA_000709455 – 1.CP007276,
 GCA_000709475 – 1.CP007447, GCA_000709495 – 1.CP006032, GCA_000709535 – 1.CP006692, GCA_000709555 – 1.CP006873,
 GCA_000714595 – 1.CP007799, GCA_000714635 – 1.CP008700 – CP008701, GCA_000714655 – 1.CP008788 – CP008791,
 GCA_000714675 – 1.CP008797 – CP008800, GCA_000717515 – 1.CP008831 – CP008833, GCA_000717535 – 1.CP004870 –
 CP004883, GCA_000723165 – 1.HG322949, GCA_000723505 – 1.HG934468, GCA_000723785 – 1.HF677570 – HF677577,
 GCA_000724485 – 1.CP007739 – CP007741, GCA_000724505 – 1.CP008823 – CP008826, GCA_000724525 – 1.CP008841 –
 CP008845, GCA_000724585 – 1.CP008712, GCA_000724605 – 1.CP008802, GCA_000724625 – 1.CP007139, GCA_000724775 –
 2.CP010820 – CP010821, GCA_000725265 – 1.CP005998 – CP006002, GCA_000725285 – 1.CP007161 – CP007164, GCA_000725305 –
 1.CP008801, GCA_000725325 – 1.CP008846 – CP008848, GCA_000725345 – 1.CP008852, GCA_000725365 – 1.CP008876 –

CP008877, GCA_000725385 – 1.CP008884, GCA_000725405 – 1.CP008889 – CP008890, GCA_000730205 – 1.CP008885, GCA_000730215 – 2.CP007631, GCA_000730245 – 1.CP004403, GCA_000730255 – 1.CP007632, GCA_000730345 – 1.CP008805 – CP008807, GCA_000730365 – 1.CP008922, GCA_000730385 – 1.CP008849, GCA_000730405 – 1.CP008923, GCA_000730425 – 1.CP008896, GCA_000730445 – 1.CP008924, GCA_000731295 – 1.HG938355 – HG938357, GCA_000731315 – 1.HG938353 – HG938354, GCA_000732355 – 1.CP008921, GCA_000732385 – 1.CP007024, GCA_000732425 – 1.CP007041, GCA_000732905 – 1.CP007588, GCA_000732925 – 1.CP008953 – CP008954, GCA_000732945 – 1.CP008944 – CP008945, GCA_000732965 – 1.CP008957 – CP008958, GCA_000733255 – 1.CP006798 – CP006802, GCA_000734015 – 1.CP008796, GCA_000734055 – 1.CP006649, GCA_000734895 – 2.CP011382 – CP011385, GCA_000734975 – 2.CP011052 – CP011054, GCA_000736415 – 1.CP009043 – CP009044, GCA_000737085 – 1.CP008787, GCA_000737325 – 2.CP011125, GCA_000737515 – 1.CP006587 – CP006590, GCA_000737535 – 1.CP006269, GCA_000737555 – 1.CP006030 – CP006031, GCA_000737575 – 1.CP006270, GCA_000737595 – 1.CP006271, GCA_000737615 – 1.CP006630, GCA_000737865 – 1.CP007287, GCA_000737885 – 1.CP007443, GCA_000738435 – 1.CP003984, GCA_000738445 – 1.CP009100, GCA_000738475 – 1.CP009101, GCA_000739085 – 1.CP009110, GCA_000739105 – 1.CP009124, GCA_000739375 – 1.CP006704, GCA_000739395 – 1.CP007627, GCA_000739435 – 1.CP009159, GCA_000739455 – 1.CP009211, GCA_000739475 – 1.CP009117 – CP009119, GCA_000739495 – 1.CP009114 – CP009116, GCA_000740135 – 1.CP007680 – CP007681, GCA_000740155 – 1.CP007682 – CP007683, GCA_000740175 – 1.CP007700 – CP007701, GCA_000740195 – 1.CP007705 – CP007706, GCA_000740215 – 1.CP007709 – CP007710, GCA_000740235 – 1.CP007716 – CP007717, GCA_000740255 – 1.CP007718 – CP007719, GCA_000740275 – 1.CP007742 – CP007743, GCA_000740295 – 1.CP007662 – CP007663, GCA_000740315 – 1.CP007737 – CP007738, GCA_000740335 – 1.CP007758 – CP007759, GCA_000740355 – 1.CP007760 – CP007761, GCA_000740375 – 1.CP007764 – CP007765, GCA_000740415 – 1.CP007762 – CP007763, GCA_000740435 – 1.CP008756 – CP008757, GCA_000740455 – 1.CP008804, GCA_000740965 – 1.CP009125 – CP009126, GCA_000740985 – 1.CP009158, GCA_000741005 – 1.CP009212 – CP009214, GCA_000742655 – 1.CP007617 – CP007618, GCA_000742715 – 1.CP007722 – CP007723, GCA_000742735 – 1.CP007724 – CP007725, GCA_000742755 – 1.CP009208, GCA_000742795 – 1.CP009237, GCA_000742815 – 1.CP007639, GCA_000742835 – 1.CP008941 – CP008942, GCA_000742855 – 1.CP007621 – CP007626, GCA_000742895 – 1.CP007664 – CP007666, GCA_000742955 – 1.CP008817 – CP008820, GCA_000742975 – 1.CP008814 – CP008816, GCA_000743015 – 1.CP008926, GCA_000743035 – 1.CP008936 – CP008940, GCA_000743055 – 1.CP009102 – CP009103, GCA_000743255 – 1.CP009072 – CP009074, GCA_000743945 – 1.CP009238, GCA_000743955 – 1.CP004056, GCA_000743995 – 1.CP004057, GCA_000746505 – 1.CP007499 – CP007500, GCA_000746525 – 1.CP009048, GCA_000746585 – 2.CP009217 – CP009219, GCA_000746605 – 1.CP009256, GCA_000746625 – 1.CP009258, GCA_000746645 – 1.CP009257, GCA_000746665 – 1.CP009261 – CP009263, GCA_000747295 – 1.CP009144 – CP009146, GCA_000747315 – 1.CP009215 – CP009216, GCA_000747335 – 1.CP008853, GCA_000747345 – 1.CP008855, GCA_000747375 – 1.CP008854, GCA_000747525 – 1.CP009278, GCA_000747545 – 1.CP007607 – CP007616, GCA_000747565 – 1.CP003424 – CP003425, GCA_000750195 – 1.CP009239, GCA_000750215 – 1.CP009089, GCA_000750255 – 1.CP009090, GCA_000750295 – 1.CP009091, GCA_000750315 – 1.CP008943, GCA_000750335 – 1.CP009092, GCA_000750375 – 1.CP009093, GCA_000750395 – 2.CP009085, GCA_000750415 – 2.CP009084, GCA_000750435 – 1.CP009086, GCA_000750455 – 1.CP009087, GCA_000750475 – 1.CP009083, GCA_000750495 – 1.CP009088, GCA_000750515 – 1.CP009223, GCA_000750535 – 1.CP009224, GCA_000751035 – 1.HG813242 – HG813246, GCA_000754265 – 1.CP008985, GCA_000754275 – 1.CP008918, GCA_000754305 – 1.CP008986, GCA_000754345 – 1.CP008919 – CP008920, GCA_000754365 – 1.CP007206, GCA_000754375 – 1.CP008927 – CP008928, GCA_000754405 – 1.CP007207, GCA_000755085 – 1.CP009096 – CP009097, GCA_000755105 – 1.CP009094 – CP009095, GCA_000755145 – 1.CP009228 – CP009229, GCA_000755185 – 1.CP008913, GCA_000755705 – 1.CP009415, GCA_000755725 – 1.CP007782 – CP007784, GCA_000755765 – 1.CP009209 – CP009210, GCA_000755785 – 1.CP009147 – CP009148, GCA_000755805 – 1.CP007785 – CP007787, GCA_000755825 – 1.CP009127 – CP009128, GCA_000755845 – 1.CP008710 – CP008711, GCA_000755865 – 1.CP008704 – CP008705, GCA_000755885 – 1.CP008722 – CP008723, GCA_000755905 – 1.CP008893 – CP008894, GCA_000755925 – 1.CP008911 – CP008912, GCA_000755945 – 1.CP008891 – CP008892, GCA_000755965 – 1.CP008909 – CP008910, GCA_000755985 – 1.CP008726 – CP008727, GCA_000756005 – 1.CP008728 – CP008730, GCA_000756025 – 2.CP008731 – CP008732, GCA_000756045 – 1.CP008760 – CP008762, GCA_000756065 – 1.CP008783 – CP008784, GCA_000756085 – 1.CP008834 – CP008835, GCA_000756125 – 1.CP008781 – CP008782, GCA_000756165 – 1.CP008779 – CP008780, GCA_000756185 – 1.CP008777 – CP008778, GCA_000756205 – 1.CP009361 – CP009362, GCA_000756465 – 1.CP006693, GCA_000756485 – 1.CP008695, GCA_000756505 – 1.CP006828, GCA_000756545 – 1.CP009427, GCA_000756615 – 1.CP009288 – CP009289, GCA_000756715 – 2.CCSE01000001, GCA_000756775 – 2.CCSF01000001, GCA_000757015 – 2.CP009585 – CP009586, GCA_000757035 – 2.CP009898 – CP009899, GCA_000757785 – 1.CP009450, GCA_000757795 – 1.CP003811, GCA_000757825 – 1.CP009451, GCA_000757845 – 1.CP007753, GCA_000757865 – 1.CP007754, GCA_000758225 – 1.CP009447, GCA_000758245 – 1.CP009449, GCA_000758265 – 1.CP009448, GCA_000758285 – 1.CP009493, GCA_000758305 – 1.CP009458, GCA_000758325 – 1.CP009459, GCA_000758345 – 1.CP009460, GCA_000758365 – 1.CP007646 – CP007650, GCA_000758385 – 1.CP009407, GCA_000758405 – 1.CP009408, GCA_000758525 – 1.CP009241, GCA_000758545 – 1.CP009279, GCA_000758565 – 1.CP009280, GCA_000758585 – 1.CP009281, GCA_000758605 – 1.CP009282, GCA_000758625 – 1.CP009283, GCA_000758645 – 1.CP009284, GCA_000758665 – 1.CP009285, GCA_000758685 – 1.CP009286,

GCA_000758705 – 1.CP009287, GCA_000758725 – 1.CP009428, GCA_000759475 – 1.CP009454, GCA_000759485 – 1.CP008808 – CP008809, GCA_000759515 – 1.CP008810 – CP008812, GCA_000759535 – 1.CP009455, GCA_000759555 – 1.CP009046 – CP009047, GCA_000761115 – 1.CP009472, GCA_000761135 – 1.CP009531 – CP009532, GCA_000761155 – 1.CP009533, GCA_000761175 – 1.CP009534, GCA_000761195 – 1.CP009290, GCA_000761215 – 1.CP009438 – CP009439, GCA_000762285 – 1.CP007801 – CP007802, GCA_000763475 – 1.CP009575, GCA_000763495 – 1.CP009576, GCA_000763515 – 1.CP009577, GCA_000763535 – 2.CP009264 – CP009266, GCA_000763575 – 1.CP009170, GCA_000764535 – 1.CP009571 – CP009573, GCA_000764555 – 1.CP009574, GCA_000764575 – 1.CP004377 – CP004378, GCA_000764595 – 1.CP004385 – CP004386, GCA_000764615 – 1.CP008929 – CP008933, GCA_000764955 – 1.CP007779 – CP007781, GCA_000765375 – 1.CP004381 – CP004382, GCA_000765395 – 1.CP007495, GCA_000765415 – 1.CP007634 – CP007636, GCA_000766665 – 1.CP007669, GCA_000767055 – 1.CP006764 – CP006765, GCA_000767075 – 1.CP009610, GCA_000767095 – 1.CP008902, GCA_000767405 – 1.CP009608, GCA_000767415 – 1.CP009500, GCA_000767445 – 1.CP009609, GCA_000767465 – 1.CP009291 – CP009296, GCA_000767485 – 1.CP009499, GCA_000767505 – 1.CP007240, GCA_000767605 – 1.CP009494, GCA_000767615 – 1.CP009553, GCA_000767645 – 1.CP009583 – CP009584, GCA_000767665 – 1.CP009495, GCA_000767685 – 1.CP009622, GCA_000767705 – 1.CP009496, GCA_000767725 – 1.CP009652, GCA_000767745 – 1.CP006777, GCA_000769535 – 1.CP009678, GCA_000769555 – 1.CP009679 – CP009680, GCA_000769575 – 1.CP009681, GCA_000769635 – 1.CP009716, GCA_000770125 – 1.CP009613, GCA_000770155 – 1.CP009756, GCA_000770175 – 1.CP009615, GCA_000770195 – 1.CP007711, GCA_000770215 – 1.CP009616, GCA_000770235 – 1.CP009614, GCA_000770395 – 1.CP009234 – CP009235, GCA_000770455 – 1.CP009150 – CP009151, GCA_000770495 – 1.CP009160 – CP009161, GCA_000770515 – 1.CP009162 – CP009163, GCA_000770535 – 1.CP009164 – CP009165, GCA_000770565 – 1.CP009154 – CP009157, GCA_000772025 – 1.CP009554, GCA_000772065 – 1.CP009617 – CP009620, GCA_000772105 – 1.CP009354 – CP009359, GCA_000772125 – 1.CP009748, GCA_000772145 – 1.CP009760, GCA_000772165 – 1.CP009749, GCA_000772185 – 1.CP009612, GCA_000772205 – 1.CP009611, GCA_000772225 – 1.CP006851, GCA_000772245 – 1.CP007241, GCA_000772485 – 1.CP006741, GCA_000775375 – 1.CP009771 – CP009774, GCA_000775395 – 1.CP009775 – CP009778, GCA_000775955 – 1.CP009461, GCA_000775975 – 1.CP009746, GCA_000775995 – 1.CP009227, GCA_000782835 – 1.CP009796, GCA_000782855 – 1.CP006910, GCA_000784865 – 1.CP009850 – CP009853, GCA_000784905 – 1.CP009854 – CP009858, GCA_000784925 – 1.CP009859 – CP009862, GCA_000784945 – 1.CP009863 – CP009865, GCA_000784965 – 1.CP009866 – CP009871, GCA_000784985 – 1.CP009872 – CP009875, GCA_000785005 – 1.CP009876 – CP009879, GCA_000785495 – 1.CP009896, GCA_000785515 – 1.CP009913, GCA_000785535 – 1.CP007595, GCA_000785555 – 1.CP009129 – CP009130, GCA_000786505 – 1.HG813240, GCA_000786695 – 1.CP009962 – CP009963, GCA_000786735 – 1.CP007712 – CP007714, GCA_000789275 – 1.CP010052, GCA_000789295 – 1.CP010053, GCA_000789315 – 1.CP009939 – CP009941, GCA_000789335 – 1.CP003408, GCA_000789355 – 1.CP006903 – CP006904, GCA_000789375 – 1.CP003409, GCA_000789395 – 1.CP006905 – CP006906, GCA_000800235 – 1.CP009418, GCA_000800255 – 1.CP009747, GCA_000800275 – 1.CP009419, GCA_000800295 – 1.CP009761, GCA_000800315 – 1.CP009420, GCA_000800335 – 1.CP009897, GCA_000800355 – 1.CP009421, GCA_000800395 – 1.CP010028, GCA_000800415 – 1.CP009422, GCA_000800435 – 1.CP010105, GCA_000800455 – 1.CP007456, GCA_000800475 – 1.CP007457 – CP007458, GCA_000800785 – 1.CP010267, GCA_000800825 – 1.CP010075, GCA_000801145 – 1.CP007715, GCA_000801165 – 1.CP009104 – CP009105, GCA_000801185 – 2.CP009106 – CP009107, GCA_000801205 – 1.CP009685, GCA_000801315 – 1.CP010054 – CP010057, GCA_000803625 – 1.CP007496, GCA_000803645 – 1.CP009122 – CP009123, GCA_000803665 – 1.CP010089 – CP010099, GCA_000803705 – 1.CP010304 – CP010305, GCA_000807175 – 1.CP009267, GCA_000807225 – 1.CP010327, GCA_000807255 – 1.CP009268, GCA_000807275 – 1.CP009056, GCA_000807295 – 1.CP010308, GCA_000807315 – 1.CP010313, GCA_000807355 – 1.CP010058, GCA_000807375 – 1.CP010050, GCA_000808035 – 2.CP008914 – CP008915, GCA_000808055 – 1.CP010346, GCA_000808095 – 1.CP009910 – CP009912, GCA_000812165 – 1.CP010323, GCA_000812205 – 1.CP009274 – CP009276, GCA_000813165 – 1.CP005930 – CP005932, GCA_000813205 – 1.CP006738, GCA_000814125 – 2.CP010374 – CP010376, GCA_000814145 – 2.CP010371 – CP010373, GCA_000814165 – 1.CP010368 – CP010370, GCA_000814205 – 1.CP010377 – CP010380, GCA_000814225 – 1.CP010384 – CP010387, GCA_000814265 – 1.CP009226, GCA_000814305 – 1.CP010392 – CP010396, GCA_000814345 – 1.CP010397 – CP010400, GCA_000814805 – 1.CP006722, GCA_000814825 – 1.CP009302, GCA_000814845 – 1.CP010431, GCA_000814865 – 1.CP009927, GCA_000814885 – 1.CP006809 – CP006810, GCA_000815025 – 1.CP007541, GCA_000815045 – 1.CP010295, GCA_000815065 – 1.CP007585, GCA_000815085 – 1.CP010296, GCA_000815105 – 1.CP010310, GCA_000815125 – 1.CP010297, GCA_000815145 – 1.CP010406, GCA_000815165 – 1.CP010298, GCA_000815185 – 1.CP010409 – CP010410, GCA_000815205 – 1.CP010299, GCA_000815225 – 1.CP010427 – CP010428, GCA_000815245 – 1.CP010300, GCA_000816025 – 1.CP003987 – CP003988, GCA_000816045 – 1.CP006929, GCA_000816065 – 1.CP007003, GCA_000816085 – 1.CP008747, GCA_000816125 – 1.CP007641 – CP007645, GCA_000816165 – 1.CP006869, GCA_000816185 – 1.CP007770, GCA_000816205 – 1.CP007522, GCA_000816225 – 1.CP007771, GCA_000816245 – 1.CP007769, GCA_000816265 – 1.CP007772, GCA_000816305 – 1.CP007773, GCA_000816345 – 1.CP007774, GCA_000816365 – 1.CP007775, GCA_000816385 – 1.CP007776, GCA_000816405 – 1.CP007777, GCA_000816425 – 1.CP007778, GCA_000816785 – 1.CP007766 – CP007768, GCA_000816805 – 1.CP010434, GCA_000816845 – 1.CP006877 – CP006880, GCA_000816885 – 1.CP006855 – CP006857, GCA_000816945 – 1.CP006907, GCA_000816985 – 1.CP007399, GCA_000817005 –

1.CP007593, GCA_000817025 – 1.CP010013, GCA_000817045 – 1.CP010433, GCA_000817065 – 1.CP007016, GCA_000817325 – 1.CP006471 – CP006473, GCA_000817935 – 1.CP006908 – CP006909, GCA_000817955 – 1.CP009788, GCA_000817975 – 1.CP010415 – CP010421, GCA_000817995 – 1.CP010437, GCA_000818015 – 1.CP007511, GCA_000818035 – 1.CP007726, GCA_000818055 – 1.CP009045, GCA_000818075 – 1.CP009049, GCA_000818095 – 1.CP009416 – CP009417, GCA_000818115 – 1.CP009559, GCA_000819445 – 1.CP005286, GCA_000819505 – 1.CP006883, GCA_000819525 – 1.CP006957, GCA_000819565 – 1.CP004393 – CP004398, GCA_000819645 – 1.CP010315 – CP010318, GCA_000819665 – 1.CP010268 – CP010270, GCA_000826965 – 3.CP010518, GCA_000826985 – 1.CP010435, GCA_000827005 – 1.CP010519, GCA_000827025 – 1.CP010436, GCA_000827065 – 1.CP010314, GCA_000827085 – 1.CP007027, GCA_000827125 – 1.CP010311 – CP010312, GCA_000827855 – 1.CP007563, GCA_000827935 – 1.CP010520, GCA_000827955 – 1.CP010521, GCA_000828015 – 1.CP010451 – CP010452, GCA_000828035 – 1.CP010526, GCA_000828055 – 1.CP010523, GCA_000828475 – 1.AP014648, GCA_000828635 – 1.AP012547, GCA_000828695 – 1.AP014522, GCA_000828715 – 1.AP014583, GCA_000828735 – 1.AP014584, GCA_000828795 – 1.AP013357, GCA_000828815 – 1.AP014521, GCA_000828835 – 1.AP014633, GCA_000828855 – 1.AP014631, GCA_000828875 – 1.AP014576 – AP014581, GCA_000828895 – 1.AP014568, GCA_000828915 – 1.AP014569 – AP014570, GCA_000828935 – 1.AP014649 – AP014650, GCA_000828975 – 1.AP014683, GCA_000828995 – 1.AP014573, GCA_000829035 – 1.AP012541 – AP012543, GCA_000829055 – 1.AP012544 – AP012546, GCA_000829075 – 1.AP012555 – AP012556, GCA_000829155 – 1.AP013293, GCA_000829175 – 1.AP014582, GCA_000829195 – 1.AP013294, GCA_000829215 – 1.AP014524 – AP014525, GCA_000829255 – 1.AP014646, GCA_000829275 – 1.AP014622, GCA_000829295 – 1.AP014658, GCA_000829315 – 1.AP013028, GCA_000829335 – 1.AP013353, GCA_000829355 – 1.AP014595, GCA_000829375 – 1.AP014624, GCA_000829395 – 1.AP014680 – AP014682, GCA_000829415 – 1.AP014637, GCA_000829885 – 1.CP010555, GCA_000829965 – 1.CP010557, GCA_000829985 – 1.CP009166 – CP009169, GCA_000830005 – 1.CP010407 – CP010408, GCA_000830035 – 1.CP010585, GCA_000830075 – 1.CP010778, GCA_000830095 – 1.CP010792 – CP010794, GCA_000830775 – 1.CP006685, GCA_000830805 – 1.CP006686, GCA_000830825 – 1.CP006687, GCA_000830845 – 1.CP006688, GCA_000830865 – 1.CP006689, GCA_000830885 – 1.CP006951, GCA_000830905 – 1.CP006950, GCA_000830925 – 1.CP006949, GCA_000830945 – 1.CP006974, GCA_000830965 – 1.CP006975, GCA_000830985 – 1.CP007151, GCA_000831005 – 1.CP007152, GCA_000831025 – 1.CP007359, GCA_000831045 – 1.CP007358, GCA_000831065 – 1.CP007512 – CP007513, GCA_000831105 – 1.CP007572, GCA_000831125 – 1.CP007571, GCA_000831145 – 1.CP007570, GCA_000831165 – 1.CP007573, GCA_000831185 – 1.CP008881, GCA_000831205 – 1.CP008883, GCA_000831225 – 1.CP008878, GCA_000831245 – 1.CP009480, GCA_000831265 – 1.CP009481, GCA_000831285 – 1.CP009482, GCA_000831305 – 1.CP009483, GCA_000831405 – 1.CP007232, GCA_000831425 – 1.CP007233, GCA_000831465 – 1.CP007234, GCA_000831485 – 1.CP010783, GCA_000831525 – 1.CP006009, GCA_000831545 – 1.CP006010, GCA_000831565 – 1.CP010344 – CP010345, GCA_000831585 – 1.CP010359, GCA_000832145 – 1.CP007633, GCA_000832305 – 1.CP010536 – CP010537, GCA_000832385 – 1.CP009299 – CP009300, GCA_000832405 – 1.CP009317 – CP009318, GCA_000832425 – 1.CP009324 – CP009325, GCA_000832445 – 1.CP009326 – CP009328, GCA_000832465 – 1.CP009329 – CP009331, GCA_000832485 – 1.CP009332 – CP009336, GCA_000832505 – 1.CP009339 – CP009341, GCA_000832525 – 1.CP009368 – CP009369, GCA_000832565 – 1.CP009462 – CP009464, GCA_000832585 – 1.CP009475 – CP009476, GCA_000832605 – 1.CP009689 – CP009692, GCA_000832635 – 1.CP009540 – CP009541, GCA_000832665 – 1.CP009542 – CP009544, GCA_000832725 – 1.CP009698 – CP009700, GCA_000832745 – 1.CP009695 – CP009697, GCA_000832765 – 1.CP009593 – CP009596, GCA_000832785 – 1.CP009597 – CP009598, GCA_000832805 – 1.CP009589 – CP009592, GCA_000832825 – 1.CP009599 – CP009600, GCA_000832845 – 1.CP009627 – CP009628, GCA_000832865 – 1.CP009634 – CP009641, GCA_000832885 – 1.CP009645 – CP009651, GCA_000832905 – 1.CP009709, GCA_000832925 – 1.CP009717 – CP009720, GCA_000832965 – 1.CP009900 – CP009902, GCA_000832985 – 1.CP009915 – CP009921, GCA_000833005 – 1.CP010556, GCA_000833025 – 1.CP010817, GCA_000833045 – 1.CP009965 – CP009970, GCA_000833065 – 1.CP009979 – CP009981, GCA_000833085 – 1.CP010087 – CP010088, GCA_000833125 – 1.CP010320 – CP010322, GCA_000833145 – 1.CP010816, GCA_000833165 – 1.CP009352 – CP009353, GCA_000833195 – 1.CP009342 – CP009343, GCA_000833215 – 1.CP009436 – CP009437, GCA_000833235 – 1.CP009693, GCA_000833255 – 1.CP009440 – CP009441, GCA_000833275 – 1.CP009314 – CP009316, GCA_000833295 – 1.CP009442 – CP009443, GCA_000833315 – 1.CP009444 – CP009446, GCA_000833335 – 1.CP009694, GCA_000833355 – 1.CP009607, GCA_000833375 – 1.CP009633, GCA_000833455 – 1.CP010019, GCA_000833475 – 1.CP010115, GCA_000833495 – 1.CP010288, GCA_000833515 – 1.CP010289, GCA_000833535 – 1.CP010290, GCA_000833575 – 1.CP010827, GCA_000834195 – 1.CP009366 – CP009367, GCA_000834215 – 1.CP009363 – CP009364, GCA_000834235 – 1.CP009489 – CP009492, GCA_000834255 – 1.CP009539, GCA_000834275 – 1.CP009701 – CP009704, GCA_000834295 – 1.CP009710 – CP009712, GCA_000834315 – 1.CP009713 – CP009715, GCA_000834335 – 1.CP009721 – CP009724, GCA_000834355 – 1.CP009757, GCA_000834375 – 1.CP009792, GCA_000834415 – 1.CP009758 – CP009759, GCA_000834435 – 1.CP009786, GCA_000834455 – 1.CP009787, GCA_000834475 – 1.CP009779 – CP009780, GCA_000834495 – 1.CP009782 – CP009785, GCA_000834515 – 1.CP009801, GCA_000834735 – 1.CP009837 – CP009838, GCA_000834755 – 1.CP009839 – CP009841, GCA_000834775 – 1.CP009842 – CP009844, GCA_000834825 – 1.CP009903 – CP009906, GCA_000834845 – 1.CP009934 – CP009937, GCA_000834865 – 1.CP009997, GCA_000834885 – 1.CP009988 – CP009991, GCA_000834925 – 1.CP010020 – CP010023, GCA_000834945 – 1.CP010067 – CP010069, GCA_000834965 – 1.CP010103 – CP010104, GCA_000834985 – 1.CP010246 – CP010248, GCA_000835025 –

1.CP009344 – CP009351, GCA_000835085 – 1.CP006959, GCA_000835145 – 1.CP007242, GCA_000835165 – 1.CP007790 – CP007792, GCA_000835185 – 1.CP009603 – CP009606, GCA_000835205 – 1.CP002580 – CP002581, GCA_000835225 – 1.CP010113, GCA_000835265 – 1.CP010114, GCA_000835285 – 1.CP010306, GCA_000835305 – 1.CP010307, GCA_000835345 – 1.CP010072 – CP010074, GCA_000835365 – 1.CP010301 – CP010303, GCA_000875675 – 1.CP010848, GCA_000875695 – 1.CP010850 – CP010851, GCA_000875715 – 1.CP010852 – CP010854, GCA_000875755 – 1.CP007520, GCA_000877815 – 1.CP010014 – CP010015, GCA_000931425 – 1.CP010528, GCA_000931445 – 1.CP010849, GCA_000931565 – 1.CP010876 – CP010882, GCA_000931575 – 1.CP007470, GCA_000931605 – 1.CP007471, GCA_000931625 – 1.CP007472, GCA_000932055 – 1.CP010905, GCA_000934305 – 1.CP010906, GCA_000934525 – 1.CP010912, GCA_000934545 – 1.CP010554, GCA_000934565 – 1.CP010896, GCA_000934605 – 1.CP010897 – CP010898, GCA_000940785 – 1.CP010577 – CP010583, GCA_000940805 – 1.CP007142, GCA_000940825 – 1.CP007221, GCA_000940845 – 1.CP010341, GCA_000940895 – 1.CP007211, GCA_000940915 – 1.CP010947 – CP010950, GCA_000940935 – 1.CP007216, GCA_000940975 – 1.CP007222, GCA_000940995 – 1.CP005973 – CP005974, GCA_000941015 – 1.CP007235, GCA_000941035 – 1.CP006723 – CP006727, GCA_000941055 – 1.CP007202, GCA_000941075 – 1.CP007229, GCA_000943805 – 1.CP010954 – CP010960, GCA_000949425 – 1.CP010976 – CP010977, GCA_000950775 – 1.CP011004, GCA_000952035 – 1.CP007699, GCA_000952915 – 1.LM995445, GCA_000952975 – 1.LM997412, GCA_000953035 – 1.LM651928, GCA_000953135 – 1.LN614827 – LN614829, GCA_000953195 – 1.LK028559, GCA_000953215 – 1.LM995447, GCA_000953235 – 1.LN515399, GCA_000953255 – 1.LN626917, GCA_000953315 – 1.LK055284, GCA_000953355 – 1.LN681227 – LN681228, GCA_000953375 – 1.LN515398, GCA_000953415 – 1.LN734649, GCA_000953435 – 1.LM655252, GCA_000953455 – 1.LK391695, GCA_000953495 – 1.LN649235, GCA_000953535 – 1.LN515532, GCA_000953575 – 1.LN554884, GCA_000953635 – 1.LN614830, GCA_000953655 – 1.LN681225 – LN681226, GCA_000953695 – 1.LN554846 – LN554851, GCA_000953715 – 1.LN824141, GCA_000953735 – 1.LN554852 – LN554854, GCA_000954115 – 1.CP010797, GCA_000954135 – 2.CP010799 – CP010801, GCA_000954155 – 1.CP010873, GCA_000954175 – 1.CP010973 – CP010974, GCA_000954195 – 1.CP011015 – CP011017, GCA_000955665 – 1.CP011059, GCA_000956315 – 1.CP011060, GCA_000958465 – 1.CP011043 – CP011046, GCA_000959025 – 1.CP011051, GCA_000959125 – 1.CP004379 – CP004380, GCA_000959145 – 1.CP009297 – CP009298, GCA_000959165 – 1.CP009337 – CP009338, GCA_000959185 – 1.CP009473 – CP009474, GCA_000959205 – 1.CP009484 – CP009485, GCA_000959225 – 1.CP009477 – CP009478, GCA_000959245 – 1.CP009486 – CP009488, GCA_000959265 – 1.CP009535 – CP009536, GCA_000959285 – 1.CP009537 – CP009538, GCA_000959305 – 1.CP009545 – CP009546, GCA_000959325 – 1.CP009547 – CP009549, GCA_000959345 – 1.CP009550 – CP009551, GCA_000959365 – 1.CP009555 – CP009556, GCA_000959405 – 1.CP009587 – CP009588, GCA_000959425 – 1.CP009601 – CP009602, GCA_000959445 – 1.CP009629 – CP009632, GCA_000959465 – 1.CP009642 – CP009643, GCA_000959485 – 1.CP009707 – CP009708, GCA_000959505 – 1.CP009793 – CP009795, GCA_000959525 – 1.CP009830 – CP009832, GCA_000959545 – 1.CP009797 – CP009800, GCA_000959625 – 1.CP010065 – CP010066, GCA_000959725 – 1.CP009319 – CP009323, GCA_000960995 – 1.CP009432 – CP009435, GCA_000961015 – 1.CP009907 – CP009908, GCA_000961095 – 1.CP011058, GCA_000961155 – 1.CP008987 – CP008989, GCA_000961175 – 1.CP008990 – CP008992, GCA_000961195 – 1.CP008993 – CP008995, GCA_000961215 – 1.CP008996 – CP008998, GCA_000961235 – 1.CP008999 – CP009001, GCA_000961255 – 1.CP009002 – CP009004, GCA_000961275 – 1.CP009005 – CP009007, GCA_000961295 – 1.CP009008 – CP009010, GCA_000961315 – 1.CP009011 – CP009013, GCA_000961335 – 1.CP009014 – CP009016, GCA_000961355 – 1.CP009017 – CP009019, GCA_000961375 – 1.CP009020 – CP009022, GCA_000961395 – 1.CP009023 – CP009025, GCA_000961415 – 1.CP009026 – CP009028, GCA_000961435 – 1.CP009029 – CP009031, GCA_000961455 – 1.CP009032 – CP009034, GCA_000961475 – 1.CP009035 – CP009037, GCA_000961495 – 1.CP009038 – CP009040, GCA_000961515 – 1.CP010024 – CP010027, GCA_000962775 – 1.CP009058 – CP009071, GCA_000963515 – 1.CP006871, GCA_000963535 – 1.CP007483, GCA_000963555 – 1.CP009041 – CP009042, GCA_000963575 – 1.CP011077, GCA_000963635 – 1.CP011098, GCA_000963645 – 1.CP011100, GCA_000963675 – 1.CP011099, GCA_000963815 – 1.CP008706 – CP008709, GCA_000963835 – 1.CP011110 – CP011111, GCA_000963865 – 1.CP011071, GCA_000964565 – 1.CP011078, GCA_000965765 – 1.CP011021, GCA_000965785 – 1.CP011073, GCA_000967115 – 1.HG530135 – HG530136, GCA_000967135 – 1.HG004426 – HG004427, GCA_000967285 – 1.AM412059, GCA_000967325 – 1.HE579059 – HE579060, GCA_000967345 – 1.HE579061 – HE579062, GCA_000967365 – 1.HE579063 – HE579064, GCA_000967385 – 1.HE579069 – HE579070, GCA_000967405 – 1.HE579071 – HE579072, GCA_000967425 – 1.FO082820 – FO082822, GCA_000967445 – 1.FO393392, GCA_000967895 – 1.FO203512, GCA_000967915 – 1.FO681348, GCA_000968055 – 1.FO681347, GCA_000968155 – 1.FO834904 – FO834906, GCA_000968175 – 1.FO704551, GCA_000968195 – 1.FO704549 – FO704550, GCA_000968335 – 1.CP008740, GCA_000968375 – 1.CP009933, GCA_000968415 – 1.CP011117, GCA_000968515 – 1.CP011134 – CP011143, GCA_000968535 – 1.FO082060 – FO082061, GCA_000968945 – 1.CP011095, GCA_000969225 – 1.CP011147, GCA_000969235 – 1.CP010811, GCA_000969265 – 1.CP010812, GCA_000969685 – 1.FO681494 – FO681497, GCA_000969765 – 1.CP011096, GCA_000971565 – 1.CP011246 – CP011249, GCA_000971575 – 1.CP010274, GCA_000971615 – 1.CP011018 – CP011019, GCA_000971645 – 1.CP010276, GCA_000971665 – 1.CP011217, GCA_000971705 – 1.CP009923 – CP009924, GCA_000971725 – 1.CP009925 – CP009926, GCA_000971765 – 1.CP010907 – CP010911, GCA_000971785 – 1.CP010798, GCA_000971925 – 1.CP011115, GCA_000972245 – 2.CP011974, GCA_000972685 – 1.CP011150, GCA_000972725 – 1.CP011116, GCA_000972745 – 1.CP011256, GCA_000972785 – 2.CP011253, GCA_000972805 – 1.CP010889, GCA_000972865 – 1.CP011144, GCA_000973085 – 1.CP011280,

GCA_000973105 – 1.FP476056, GCA_000973125 – 1.FO818637 – FO818639, GCA_000973485 – 1.CP011278, GCA_000973525 – 1.CP004391, GCA_000973565 – 1.CP004392, GCA_000973625 – 1.CP007501, GCA_000973645 – 1.CP007523, GCA_000973665 – 1.CP007540, GCA_000973685 – 1.CP007559, GCA_000973705 – 1.CP009225, GCA_000973725 – 1.CP009621, GCA_000974405 – 1.CP010438, GCA_000974425 – 1.CP010429, GCA_000974465 – 1.CP010439, GCA_000974505 – 1.CP010440, GCA_000974535 – 1.CP010441, GCA_000974575 – 1.CP010442, GCA_000974825 – 1.CP010443, GCA_000974835 – 1.CP011301 – CP011302, GCA_000974865 – 1.CP010444, GCA_000974885 – 1.CP010445, GCA_000975175 – 1.CP011295 – CP011298, GCA_000975245 – 1.CP011303, GCA_000978375 – 1.CP009686, GCA_000978535 – 1.CP010967, GCA_000978555 – 1.CP011107, GCA_000978575 – 1.CP011108, GCA_000978785 – 2.CP010446 – CP010447, GCA_000980815 – 1.CP011311, GCA_000980835 – 1.CP011312, GCA_000981585 – 1.LN831776, GCA_000981765 – 1.CP010975, GCA_000981805 – 1.CP011132 – CP011133, GCA_000981825 – 1.CP011317, GCA_000981845 – 1.CP011313 – CP011316, GCA_000982695 – 1.CP011330, GCA_000982715 – 1.CP011341, GCA_000986765 – 1.CP011331 – CP011338, GCA_000987825 – 1.CP011346, GCA_000987835 – 1.CP011308, GCA_000987865 – 1.CP011309, GCA_000987875 – 1.CP007594, GCA_000987925 – 1.CP011118 – CP011119, GCA_000988065 – 1.CP011368, GCA_000988345 – 1.CP011347, GCA_000988395 – 1.CP006256 – CP006257, GCA_000988485 – 1.CP005969, GCA_000988525 – 1.CP007584, GCA_000993725 – 1.CP011365, GCA_000993745 – 1.CP007497, GCA_000993765 – 1.CP007537, GCA_000993785 – 2.CP009922, GCA_000993825 – 1.CP011114, GCA_001005905 – 1.CP011366, GCA_001005925 – 1.CP011398 – CP011399, GCA_001005985 – 1.CP011397, GCA_001006005 – 1.CP011254, GCA_001006025 – 1.CP011386, GCA_001006525 – 1.CP011428 – CP011435, GCA_001007025 – 1.LN846980, GCA_001007045 – 1.LN847221, GCA_001007065 – 1.LN847000, GCA_001007085 – 1.LN847257, GCA_001007105 – 1.LN846996, GCA_001007125 – 1.LN846995, GCA_001007875 – 1.CP011412 – CP011413, GCA_001007915 – 1.CP011416 – CP011418, GCA_001007935 – 1.CP011451, GCA_001007995 – 1.CP011389, GCA_001008015 – 1.CP010999, GCA_001008165 – 1.CP011452 – CP011453, GCA_001010285 – 1.CP011104, GCA_001010485 – 1.AP014722, GCA_001010505 – 1.AP014613, GCA_001010765 – 1.CP011410 – CP011411, GCA_001010785 – 1.CP011279, GCA_001011035 – 1.CP011492, GCA_001011055 – 1.CP011359, GCA_001011095 – 1.CP011403 – CP011405, GCA_001011135 – 1.CP009753, GCA_001013565 – 1.LN849008, GCA_001014285 – 1.CP011414, GCA_001014305 – 1.CP011415, GCA_001015095 – 1.CP011534, GCA_001017435 – 1.CP011371, GCA_001017575 – 1.CP011372, GCA_001017595 – 1.CP011538, GCA_001017615 – 1.CP011474, GCA_001017635 – 1.CP011349 – CP011358, GCA_001017775 – 1.CP011568, GCA_001019635 – 1.CP007560, GCA_001019675 – 1.CP007561, GCA_001019695 – 1.CP007562, GCA_001020185 – 1.CP011535, GCA_001020205 – 1.CP011663, GCA_001020945 – 1.CP011342, GCA_001020955 – 1.CP011367, GCA_001020985 – 1.CP011542 – CP011544, GCA_001021005 – 1.CP011343, GCA_001021025 – 1.CP011541, GCA_001021045 – 1.CP011545, GCA_001021065 – 1.CP011546, GCA_001021085 – 1.CP004021, GCA_001021875 – 1.CP007670 – CP007671, GCA_001021895 – 1.CP007674 – CP007675, GCA_001021915 – 1.CP007810, GCA_001021935 – 1.CP008714, GCA_001021955 – 1.CP008776, GCA_001021975 – 1.CP009928, GCA_001021995 – 1.CP011573 – CP011574, GCA_001022015 – 1.CP011569 – CP011572, GCA_001022035 – 1.CP011575 – CP011578, GCA_001022055 – 1.CP011582 – CP011584, GCA_001022075 – 1.CP011579 – CP011581, GCA_001022095 – 1.CP011585 – CP011591, GCA_001022115 – 1.CP011613 – CP011618, GCA_001022135 – 1.CP011598 – CP011602, GCA_001022155 – 1.CP011603 – CP011612, GCA_001022175 – 1.CP011619 – CP011624, GCA_001022195 – 1.CP011625 – CP011636, GCA_001022215 – 1.CP011637 – CP011642, GCA_001022235 – 1.CP011643 – CP011647, GCA_001022255 – 1.CP011648 – CP011650, GCA_001022275 – 1.CP011651 – CP011657, GCA_001022295 – 1.CP011592 – CP011597, GCA_001023495 – 1.CP011068, GCA_001023535 – 1.CP011020, GCA_001023595 – 1.CP011686, GCA_001025135 – 1.AP012323, GCA_001025155 – 1.AP012322, GCA_001025175 – 1.AP012324, GCA_001025195 – 1.AP012325, GCA_001025215 – 1.AP012330, GCA_001026925 – 1.CP010867, GCA_001026945 – 1.CP010795, GCA_001026965 – 1.CP010779 – CP010780, GCA_001026985 – 1.CP010423, GCA_001027025 – 1.CP011232, GCA_001027045 – 1.CP011528 – CP011529, GCA_001027065 – 1.CP007689, GCA_001027085 – 1.CP007688, GCA_001027105 – 1.CP011526 – CP011527, GCA_001027125 – 1.CP007687, GCA_001027165 – 1.CP007686, GCA_001027205 – 1.CP007685, GCA_001027225 – 1.CP011511, GCA_001027245 – 1.CP007684, GCA_001027265 – 1.CP011501, GCA_001027285 – 1.CP011509, GCA_001028285 – 1.CP011827, GCA_001028625 – 1.CP011805, GCA_001028645 – 1.CP007601 – CP007602, GCA_001028665 – 1.CP011503 – CP011506, GCA_001028705 – 1.CP011770 – CP011772, GCA_001029105 – 1.CP011807 – CP011809, GCA_001029125 – 1.CP006636 – CP006642, GCA_001029145 – 1.CP009743 – CP009745, GCA_001029245 – 1.CP011855, GCA_001029265 – 1.CP011856, GCA_001029645 – 1.CP011798, GCA_001029815 – 1.CP007667, GCA_001029835 – 1.CP007668, GCA_001037985 – 1.CP011882, GCA_001038625 – 1.CP011803 – CP011804, GCA_001038645 – 1.CP011854, GCA_001039415 – 1.CP011938, GCA_001039495 – 1.CP011939, GCA_001040945 – 1.CP011930, GCA_001042405 – 1.AP014808, GCA_001042445 – 1.CP011926, GCA_001042525 – 1.CP011921, GCA_001042545 – 1.CP011922, GCA_001042565 – 1.CP011923, GCA_001042595 – 1.AP012326, GCA_001042615 – 1.AP012327, GCA_001042635 – 1.AP012331, GCA_001042655 – 1.AP012332, GCA_001042675 – 1.AP012333, GCA_001042695 – 1.AP012334, GCA_001042715 – 1.CP009687 – CP009688, GCA_001042735 – 1.CP011962 – CP011963, GCA_001042745 – 1.CP011955, GCA_001042775 – 1.CP011956, GCA_001042795 – 1.CP011957, GCA_001042815 – 1.CP011958, GCA_001042835 – 1.CP011959, GCA_001042855 – 1.CP011960, GCA_001042875 – 1.CP011961, GCA_001043135 – 1.CP011348, GCA_001043175 – 1.CP011494, GCA_001043215 – 1.CP011495 – CP011496, GCA_001043255 – 1.CP008744, GCA_001043295 – 1.CP008774 – CP008775, GCA_001045415 – 1.CP007653 – CP007655, GCA_001045685 – 1.CP012001, GCA_001046835 – 1.CP011024, GCA_001077655 – 1.CP012006 –

CP012008, GCA_001077675 – 1.CP012004 – CP012005, GCA_001078055 – 1.CP010777