

Classification of 121 RNA sequences from the PDB dataset based on the assignment of individual record to Rfam families using the Rfam on-line search engine:

tRNA	11 (2ZZM_B, 2ZZN_D, 2XQD_Y, 2WWQ_V, 3AKZ_H, 3UZL_B, 3AMU_B, 3A2K_C, 3JYV_7, 2WRQ_Y, 3J16_L)
K10_TLS	5 (2KUW_A, 2KUR_A, 2KUU_A, 2KUV_A, 2KE6_A)
5S_rRNA	5 (3G4S_9, 3O58_2, 4A1C_3, 3JYX_3, 3IZF_C)
Purine	3 (3LA5_A, 3RKF_A, 3IVN_B)
SAM	3 (4AOB_A, 3GX2_A, 3NPB_A)
5_8S_rRNA	3 (3O58_3, 4A1C_2, 3JYX_4)
crcB	2 (4ENC_A, 4ENB_A)
Bacteria_small_SRP	2 (2XXA_G, 2XKV_B)
Gammaretro_CES	2 (2L1F_A, 2L1F_B)
tmRNA	2 (3IYQ_A, 3IZ4_A)
ykoK	1 (3PDR_A)
HIV_FE	1 (2L94_A)
IRE_II	1 (3SN2_B)
c-di-GMP-I	1 (3IWN_A)
tRNA-Sec	1 (3A3A_A)
mir-2985-2	1 (2L3J_B)
THF	1 (3SD1_A)
mir-TAR	1 (2KDQ_B)
7SK	1 (2KX8_A)
GP_knot1	1 (2LC8_A)
Not assigned	73
Total:	121 RNA chains

Classification of 1987 RNA sequences from the RNAstrand dataset based on the assignment of individual record to Rfam families using the Rfam on-line search engine:

tmRNA 232 (TMR_00588, TMR_00155, TMR_00603, TMR_00093, TMR_00007, TMR_00422, TMR_00150, TMR_00332, TMR_00109, TMR_00698, TMR_00378, TMR_00563, TMR_00501, TMR_00262, TMR_00686, TMR_00306, TMR_00082, TMR_00571, TMR_00522, TMR_00144, TMR_00457, TMR_00298, TMR_00460, TMR_00076, TMR_00180, TMR_00472, TMR_00584, TMR_00576, TMR_00152, TMR_00173, TMR_00261, TMR_00580, TMR_00706, TMR_00503, TMR_00562, TMR_00430, TMR_00224, TMR_00398, TMR_00451, TMR_00617, TMR_00478, TMR_00047, TMR_00083, TMR_00372, TMR_00439, TMR_00465, TMR_00366, TMR_00540, TMR_00358, TMR_00404, TMR_00257, TMR_00498, TMR_00131, TMR_00146, TMR_00116, TMR_00030, TMR_00683, TMR_00376, TMR_00626, TMR_00008, TMR_00352, TMR_00393, TMR_00375, TMR_00604, TMR_00166, TMR_00119, TMR_00164, TMR_00302, TMR_00346, TMR_00560, TMR_00305, TMR_00092, TMR_00296, TMR_00519, TMR_00409, TMR_00274, TMR_00609, TMR_00680, TMR_00611, TMR_00057, TMR_00055, TMR_00038, TMR_00194, TMR_00143, TMR_00702, TMR_00102, TMR_00124, TMR_00073, TMR_00395, TMR_00345, TMR_00259, TMR_00432, TMR_00096, TMR_00703, TMR_00103, TMR_00227, TMR_00625, TMR_00148, TMR_00184, TMR_00624, TMR_00559, TMR_00357, TMR_00469, TMR_00279, TMR_00248, TMR_00081, TMR_00204, TMR_00696, TMR_00182, TMR_00223, TMR_00415, TMR_00614, TMR_00458, TMR_00616, TMR_00615, TMR_00427, TMR_00125, TMR_00711, TMR_00408, TMR_00234, TMR_00520, TMR_00623, TMR_00331, TMR_00012, TMR_00419, TMR_00136, TMR_00566, TMR_00337, TMR_00067, TMR_00051, TMR_00118, TMR_00165, TMR_00681, TMR_00042, TMR_00239, TMR_00374, TMR_00411, TMR_00028, TMR_00065, TMR_00158, TMR_00160, TMR_00553, TMR_00142, TMR_00139, TMR_00101, TMR_00017, TMR_00448, TMR_00300, TMR_00278, TMR_00117, TMR_00228, TMR_00353, TMR_00064, TMR_00599, TMR_00423, TMR_00441, TMR_00687, TMR_00600, TMR_00384, TMR_00433, TMR_00035, TMR_00111, TMR_00199, TMR_00340, TMR_00034, TMR_00046, TMR_00080, TMR_00168, TMR_00062, TMR_00137, TMR_00383, TMR_00712, TMR_00443, TMR_00568, TMR_00502, TMR_00586, TMR_00605, TMR_00596, TMR_00579, TMR_00541, TMR_00528, TMR_00429, TMR_00581, TMR_00123, TMR_00348, TMR_00570, TMR_00587, TMR_00612, TMR_00207, TMR_00399, TMR_00156, TMR_00106, TMR_00334, TMR_00343, TMR_00341,

TMR_00240, TMR_00061, TMR_00289, TMR_00140, TMR_00048,
TMR_00544, TMR_00159, TMR_00606, TMR_00226, TMR_00317,
TMR_00280, TMR_00301, TMR_00183, TMR_00699, TMR_00127,
TMR_00594, TMR_00179, TMR_00128, TMR_00310, TMR_00135,
TMR_00271, TMR_00049, TMR_00283, TMR_00499, TMR_00290,
TMR_00716, TMR_00431, TMR_00196, TMR_00547, TMR_00036,
TMR_00610, TMR_00193, TMR_00238, TMR_00018, TMR_00014,
TMR_00010, TMR_00601)

tRNA

226 (SPR_00412, SPR_00116, SPR_00476, SPR_00417, SPR_00882,
SPR_00722, SPR_00230, SPR_00314, SPR_00315, SPR_00295, SPR_00235,
PDB_00362, SPR_00215, SPR_00395, SPR_00452, SPR_00331, SPR_00498,
SPR_00139, SPR_00489, SPR_00504, SPR_00044, SPR_00163, SPR_00200,
SPR_00356, SPR_00391, SPR_00416, SPR_00227, SPR_00271, SPR_00023,
SPR_00090, SPR_00221, SPR_00297, SPR_00156, SPR_00393, SPR_00164,
SPR_00550, SPR_00867, SPR_00112, SPR_00137, SPR_00138, SPR_00506,
SPR_00155, SPR_00548, SPR_00064, SPR_00124, SPR_00552, SPR_00113,
PDB_00474, SPR_00070, SPR_00117, SPR_00279, SPR_00467, SPR_00327,
SPR_00632, SPR_00487, SPR_00263, SPR_00025, SPR_00541, SPR_00426,
SPR_00414, SPR_00496, SPR_00236, SPR_00220, SPR_00385, SPR_00436,
SPR_00520, SPR_00390, SPR_00542, NDB_00051, SPR_00478, SPR_00020,
SPR_00226, SPR_00153, SPR_01157, SPR_00276, SPR_00209, SPR_00370,
SPR_00294, SPR_00633, SPR_00389, SPR_00089, SPR_00359, SPR_00017,
SPR_00497, PDB_00327, SPR_00224, SPR_00369, SPR_00513, SPR_00115,
SPR_00033, SPR_00357, SPR_00557, SPR_00013, SPR_00593, SPR_00373,
SPR_00333, SPR_00758, SPR_00598, SPR_00402, SPR_00298, SPR_00459,
SPR_00229, SPR_00353, SPR_00519, SPR_00750, SPR_00760, SPR_00228,
SPR_00086, PDB_01001, SPR_00512, SPR_01117, SPR_00289, SPR_00437,
SPR_00177, SPR_00219, SPR_00273, SPR_00007, SPR_00065, SPR_00418,
SPR_00352, SPR_01095, SPR_00026, SPR_00321, SPR_00483, SPR_00610,
SPR_00913, SPR_01051, SPR_00088, SPR_00461, SPR_00095, SPR_00810,
SPR_00434, SPR_00912, SPR_00178, SPR_00022, SPR_00481, SPR_00009,
SPR_00318, SPR_00445, SPR_00620, SPR_00246, SPR_00456, SPR_00029,
SPR_00167, SPR_01106, SPR_00068, PDB_00070, SPR_00374, SPR_00518,
SPR_00114, SPR_00358, SPR_00027, SPR_00320, SPR_00721, SPR_00561,
SPR_00479, PDB_00667, PDB_01009, SPR_00415, SPR_00329, SPR_00493,
PDB_01002, SPR_00079, SPR_00957, SPR_00455, SPR_00010, SPR_00111,
PDB_00229, PDB_00392, SPR_00482, SPR_00868, SPR_00438, SPR_00032,
SPR_00502, SPR_00012, SPR_00087, SPR_00223, SPR_00590, SPR_00505,
PDB_01053, SPR_00091, SPR_01143, SPR_00339, SPR_00191, SPR_00816,
SPR_00317, PDB_00402, SPR_00544, SPR_00595, SPR_00045, SPR_00777,
SPR_00309, SPR_00517, SPR_00080, PDB_00313, SPR_00016, SPR_01088,
PDB_00431, SPR_00435, SPR_00213, SPR_00066, SPR_00176, PDB_00425,
PDB_00430, SPR_00388, SPR_00036, SPR_00458, PDB_00571, SPR_00225,
SPR_00277, SPR_00074, SPR_00932, SPR_00943, SPR_00360, SPR_00060,

SPR_00394, SPR_00462, SPR_00533, SPR_00439, SPR_00121, SPR_00141,
SPR_00509, SPR_01040, SPR_00218, SPR_00316, SPR_00386)

RNaseP_bact_a

201 (ASE_00250, ASE_00263, ASE_00431, ASE_00342, ASE_00029,
ASE_00299, ASE_00077, ASE_00092, ASE_00414, ASE_00370, ASE_00129,
ASE_00367, ASE_00229, ASE_00037, ASE_00069, ASE_00140, ASE_00044,
ASE_00203, ASE_00151, ASE_00035, ASE_00105, ASE_00142, ASE_00402,
ASE_00241, ASE_00274, ASE_00198, ASE_00296, ASE_00042, ASE_00197,
ASE_00383, ASE_00174, ASE_00170, ASE_00040, ASE_00023, ASE_00212,
ASE_00415, ASE_00343, ASE_00369, ASE_00242, ASE_00282, ASE_00078,
ASE_00118, ASE_00284, ASE_00286, ASE_00363, ASE_00416, ASE_00005,
ASE_00231, ASE_00217, ASE_00021, ASE_00437, ASE_00375, ASE_00295,
ASE_00076, ASE_00339, ASE_00082, ASE_00406, ASE_00281, ASE_00288,
ASE_00413, ASE_00122, ASE_00447, ASE_00066, ASE_00227, ASE_00032,
ASE_00332, ASE_00125, ASE_00134, ASE_00379, ASE_00146, ASE_00031,
ASE_00400, ASE_00128, ASE_00104, ASE_00228, ASE_00185, ASE_00259,
ASE_00182, ASE_00020, ASE_00422, ASE_00255, ASE_00376, ASE_00254,
ASE_00081, ASE_00137, ASE_00018, ASE_00232, ASE_00387, ASE_00403,
ASE_00361, ASE_00385, ASE_00401, PDB_00919, ASE_00096, ASE_00216,
ASE_00448, ASE_00353, ASE_00221, ASE_00102, ASE_00380, ASE_00139,
ASE_00283, ASE_00285, ASE_00364, ASE_00279, ASE_00426, ASE_00366,
ASE_00287, ASE_00398, ASE_00119, ASE_00080, ASE_00377, ASE_00423,
ASE_00004, ASE_00176, ASE_00214, ASE_00007, ASE_00180, ASE_00135,
ASE_00090, ASE_00012, ASE_00412, ASE_00397, ASE_00123, ASE_00404,
ASE_00172, ASE_00451, ASE_00297, ASE_00033, ASE_00183, ASE_00396,
ASE_00099, ASE_00087, ASE_00184, ASE_00026, ASE_00169, ASE_00083,
ASE_00074, ASE_00107, ASE_00053, ASE_00438, ASE_00240, ASE_00041,
ASE_00270, ASE_00248, ASE_00075, ASE_00388, ASE_00374, ASE_00036,
ASE_00038, ASE_00384, ASE_00052, ASE_00267, ASE_00430, ASE_00112,
ASE_00428, ASE_00362, ASE_00386, ASE_00372, ASE_00234, ASE_00277,
ASE_00411, ASE_00393, ASE_00292, ASE_00340, ASE_00289, ASE_00294,
ASE_00419, ASE_00238, ASE_00298, ASE_00068, ASE_00064, ASE_00046,
ASE_00441, ASE_00179, ASE_00394, ASE_00006, ASE_00175, ASE_00084,
ASE_00131, ASE_00257, ASE_00165, ASE_00252, ASE_00163, ASE_00136,
ASE_00030, ASE_00280, ASE_00057, ASE_00115, ASE_00047, ASE_00126,
ASE_00138, ASE_00186, ASE_00395, ASE_00181, ASE_00215, ASE_00171,
ASE_00132, ASE_00079, ASE_00390, ASE_00382)

Bacteria_small_SRP

84 (SRP_00081, SRP_00365, SRP_00269, SRP_00356, SRP_00072, SRP_00056,
SRP_00146, SRP_00273, SRP_00357, SRP_00325, SRP_00105, SRP_00383,
SRP_00077, SRP_00020, SRP_00285, SRP_00094, SRP_00227, SRP_00084,
SRP_00326, SRP_00132, SRP_00121, SRP_00067, SRP_00266, SRP_00233,
SRP_00162, SRP_00075, SRP_00215, SRP_00043, SRP_00194, SRP_00217,
SRP_00229, SRP_00251, SRP_00274, SRP_00312, SRP_00369, SRP_00054,
SRP_00008, SRP_00219, SRP_00057, SRP_00358, SRP_00137, SRP_00315,
SRP_00095, SRP_00161, SRP_00367, SRP_00051, SRP_00107, SRP_00271,
SRP_00170, SRP_00318, SRP_00310, SRP_00342, SRP_00200, SRP_00044,

SRP_00350, SRP_00303, SRP_00268, SRP_00098, SRP_00244, SRP_00209, SRP_00270, SRP_00243, SRP_00042, SRP_00295, SRP_00250, SRP_00145, SRP_00074, SRP_00213, SRP_00038, SRP_00338, SRP_00163, SRP_00341, SRP_00040, SRP_00128, SRP_00324, SRP_00164, SRP_00222, SRP_00058, SRP_00363, SRP_00046, SRP_00216, SRP_00231, SRP_00141, SRP_00333)

5S_rRNA **70** (CRW_00567, CRW_01540, CRW_00573, CRW_01482, CRW_01536, CRW_01625, CRW_01620, CRW_01542, CRW_01606, CRW_01573, CRW_01617, CRW_01487, CRW_01539, CRW_01613, CRW_01623, CRW_01504, CRW_01537, CRW_01556, CRW_01562, CRW_01492, CRW_01616, CRW_01584, CRW_01605, CRW_01569, CRW_01497, CRW_01532, CRW_01508, CRW_01499, CRW_01603, CRW_01572, CRW_01484, CRW_01485, CRW_01563, CRW_01583, CRW_01535, CRW_01568, CRW_01621, CRW_01534, CRW_01570, CRW_01494, CRW_01581, CRW_01608, CRW_01501, CRW_01521, CRW_01493, CRW_00555, CRW_01566, CRW_01533, CRW_01502, CRW_00548, CRW_01496, CRW_01557, CRW_01578, CRW_01500, CRW_01498, CRW_01489, CRW_01491, CRW_01593, CRW_01559, CRW_01544, CRW_01590, CRW_00552, CRW_01599, CRW_01595, CRW_00570, CRW_01555, CRW_01507, CRW_01580, CRW_01548, CRW_01541)

SSU_rRNA_bacteria **52** (CRW_00034, CRW_00280, CRW_00048, CRW_00245, CRW_00150, PDB_01105, CRW_00279, CRW_00273, CRW_00289, CRW_00466, CRW_00059, CRW_00284, CRW_00141, PDB_01273, CRW_00196, PDB_00854, CRW_00275, CRW_00997, CRW_00256, CRW_00277, CRW_00250, CRW_00068, CRW_00096, CRW_00270, CRW_00152, CRW_00789, CRW_00292, CRW_00061, PDB_01120, CRW_00591, CRW_00166, CRW_00283, PDB_01103, CRW_00778, CRW_00590, CRW_00248, CRW_00772, CRW_00278, CRW_00589, CRW_00285, CRW_00271, CRW_00281, CRW_00140, CRW_00177, PDB_01088, CRW_00763, CRW_00173, PDB_00703, CRW_00054, CRW_00230, CRW_00795, CRW_00849)

Metazoa_SRP **31** (SRP_00257, SRP_00124, SRP_00260, SRP_00328, SRP_00317, SRP_00340, SRP_00103, SRP_00368, SRP_00329, SRP_00267, SRP_00331, SRP_00282, SRP_00252, SRP_00299, SRP_00002, SRP_00171, SRP_00102, SRP_00247, SRP_00347, SRP_00117, SRP_00053, SRP_00253, SRP_00061, SRP_00050, SRP_00066, SRP_00086, SRP_00228, SRP_00060, SRP_00300, SRP_00006, SRP_00123)

SSU_rRNA_eukarya **29** (CRW_00386, CRW_00414, CRW_00366, CRW_00759, CRW_00310, CRW_00758, CRW_00301, CRW_00379, CRW_00370, CRW_00306, CRW_00358, CRW_00403, CRW_00333, CRW_00326, CRW_00345, CRW_00760, CRW_00298, CRW_01171, CRW_01153, CRW_00348, CRW_01300, CRW_00371, CRW_00598, CRW_00372, CRW_00346, CRW_00800, CRW_00411, CRW_00332, CRW_00330)

Hammerhead_1 **27** (RFA_00703, RFA_00678, RFA_00664, RFA_00716, RFA_00659, RFA_00677, RFA_00711, RFA_00695, RFA_00667, RFA_00668, RFA_00684, RFA_00709, RFA_00673, RFA_00717, RFA_00672, RFA_00706, RFA_00705,

RFA_00685, RFA_00674, RFA_00704, RFA_00710, RFA_00658, RFA_00707, RFA_00675, RFA_00680, RFA_00708, RFA_00715)

Fungi_SRP 27 (SRP_00294, SRP_00254, SRP_00290, SRP_00160, SRP_00136, SRP_00018, SRP_00292, SRP_00371, SRP_00301, SRP_00287, SRP_00069, SRP_00104, SRP_00070, SRP_00158, SRP_00157, SRP_00230, SRP_00091, SRP_00382, SRP_00073, SRP_00302, SRP_00286, SRP_00019, SRP_00265, SRP_00087, SRP_00175, SRP_00127, SRP_00148)

RNaseP_nuc 26 (ASE_00303, ASE_00420, ASE_00153, ASE_00454, ASE_00251, ASE_00338, ASE_00247, ASE_00245, ASE_00246, ASE_00258, ASE_00017, ASE_00108, ASE_00111, ASE_00329, ASE_00330, ASE_00427, ASE_00168, ASE_00316, ASE_00025, ASE_00443, ASE_00100, ASE_00313, ASE_00237, ASE_00327, ASE_00264, ASE_00337)

RNaseP_arch 24 (ASE_00210, ASE_00001, ASE_00418, ASE_00213, ASE_00145, ASE_00205, ASE_00002, ASE_00191, ASE_00360, ASE_00148, ASE_00154, ASE_00014, ASE_00209, ASE_00359, ASE_00346, ASE_00009, ASE_00196, ASE_00121, ASE_00222, ASE_00116, ASE_00417, ASE_00187, ASE_00120, ASE_00155)

Archaea_SRP 23 (SRP_00199, SRP_00143, SRP_00321, SRP_00323, SRP_00142, SRP_00144, SRP_00016, SRP_00322, SRP_00330, SRP_00201, SRP_00197, SRP_00198, SRP_00339, SRP_00332, SRP_00278, SRP_00276, SRP_00204, SRP_00202, SRP_00206, SRP_00208, SRP_00203, SRP_00255, SRP_00130)

Intron_gpl 19 (CRW_00619, CRW_00672, CRW_00620, CRW_00614, CRW_00013, CRW_00613, CRW_00016, CRW_00633, CRW_00671, CRW_00621, CRW_00674, CRW_00623, CRW_00610, CRW_00634, CRW_00676, PDB_00827, CRW_00692, CRW_00670, CRW_00618)

Plant_SRP 19 (SRP_00239, SRP_00009, SRP_00085, SRP_00099, SRP_00012, SRP_00184, SRP_00079, SRP_00240, SRP_00188, SRP_00011, SRP_00241, SRP_00181, SRP_00361, SRP_00152, SRP_00153, SRP_00015, SRP_00182, SRP_00178, SRP_00179)

Bacteria_large_SRP 18 (SRP_00026, SRP_00089, SRP_00106, SRP_00134, SRP_00088, SRP_00173, SRP_00001, SRP_00030, SRP_00174, SRP_00337, SRP_00031, SRP_00308, SRP_00024, SRP_00090, SRP_00234, SRP_00335, SRP_00027, SRP_00037)

Hammerhead_3 17 (RFA_00446, RFA_00449, RFA_00389, RFA_00434, RFA_00396, RFA_00436, RFA_00402, RFA_00391, RFA_00409, RFA_00444, RFA_00427, RFA_00425, RFA_00390, RFA_00442, RFA_00416, RFA_00433, RFA_00440)

RNaseP_bact_b 17 (ASE_00328, ASE_00010, ASE_00305, ASE_00194, ASE_00045, ASE_00335, ASE_00321, ASE_00189, ASE_00318, ASE_00022, ASE_00028, ASE_00434, ASE_00204, ASE_00114, ASE_00161, ASE_00192, ASE_00190)

s2m 14 (RFA_00745, RFA_00734, RFA_00736, RFA_00731, RFA_00762, RFA_00733, RFA_00730, RFA_00749, RFA_00764, RFA_00758, RFA_00737, RFA_00763, PDB_00810, RFA_00765)

Telomerase-cil 12 (RFA_00615, RFA_00607, RFA_00613, RFA_00606, RFA_00609, PDB_01051, RFA_00611, RFA_00605, RFA_00603, RFA_00610, RFA_00604, RFA_00620)

Y_RNA 10 (RFA_00587, RFA_00588, RFA_00584, RFA_00585, RFA_00583, RFA_00589, RFA_00586, RFA_00596, RFA_00582, RFA_00594)

Vimentin3	8 (RFA_00653, RFA_00654, RFA_00643, RFA_00644, RFA_00642, RFA_00645, RFA_00649, RFA_00651)
R2_retro_el	6 (RFA_00816, RFA_00819, RFA_00817, RFA_00814, RFA_00818, RFA_00815)
Gammaretro_CES	6 (RFA_00781, RFA_00791, RFA_00801, RFA_00786, PDB_00213, RFA_00792)
Telomerase-vert	6 (RFA_00599, RFA_00602, RFA_00601, RFA_00597, RFA_00600, RFA_00598)
Corona_pk3	6 (RFA_00769, RFA_00773, RFA_00767, RFA_00768, RFA_00779, RFA_00770)
rne5	4 (RFA_00628, RFA_00627, RFA_00626, RFA_00630)
HDV_ribozyme	3 (PDB_00716, RFA_00636, RFA_00632)
RNase_MRP	3 (RFA_00621, RFA_00624, RFA_00623)
Purine	3 (PDB_01020, PDB_00829, PDB_00828)
SSU_rRNA_archaea	2 (CRW_00024, CRW_01343)
mir-TAR	2 (PDB_00553, PDB_00012)
RydC	2 (RFA_00809, RFA_00808)
bicoid_3	2 (RFA_00830, RFA_00820)
HIV_FE	1 (PDB_00876)
ykoK	1 (PDB_01236)
UnaL2	1 (PDB_01050)
SAM	1 (PDB_01073)
Entero_5_CRE	1 (PDB_00741)
HIV_FS2	1 (PDB_01152)
TPP	1 (PDB_01114)
glmS	1 (PDB_01092)
Tymo_tRNA-like	1 (PDB_00005)
7SK	1 (RFA_00639)
RNAIII	1 (RFA_00805)
Not assigned	745
Total:	1987 RNA chains