

グライナーPNAペプチド核酸

miRNA inhibitors

PNA miRNA inhibitorの優れた特性

PNAはDNA類似構造を持つ非天然化合物です。DNAやRNAとは異なり、リン酸結合ではなくペプチド結合で骨格が形成されていることからペプチド核酸と呼ばれています。リン酸基による負電荷の反発がなく、より強くハイブリダイズし、相補鎖認識力が飛躍的に向上します。反応時間を短縮しつつ高感度でハイブリダイズ。

相補的配列を持つRNA鎖に塩基配列特異的に強く結合します。

PNAとRNAハイブリダイズDuplexのT_m値は72

核酸とペプチドの構造を合わせ持つので消化酵素に対する耐性を備えています。取り扱いが容易で、細胞内での分解も防げ、アンチセンス効果が持続します。

他の人工核酸に見られるような細胞毒性がありません。

シェルフ・ライフが長いので経済的です。

別紙のヒトmiRNA配列からPNA miRNA inhibitorを選択いただけます。

納入価格は1本 ¥49800

多本数一括購入の場合はご相談ください

- * 上記の価格に消費税は含まれていません。
- * お取引はグライナー・ジャパンの正規代理店経由となります。お取引業者がグライナー・ジャパンの正規代理店でない場合には上記の価格で納入できないことを予めご了承ください。

Greiner Bio - One

(株)グライナー・ジャパン

東京都港区赤坂2 - 17 - 44

電話03 - 3505 - 8875

FAX03 - 3505 - 8879(受託)

FAX03 - 3505 - 8945(器材)

<http://www.greiner-bio-one.co.jp>

2009年卒 PhDを緊急募集中!

List of PNA miRNA inhibitors (human miRNAs)

Catalog No.	miRNA name	Family	miRNA Sequence
PI-1001	hsa-let-7d	let-7	AGAGGUAGUAGGUUGCAUAGUU
PI-1002	hsa-let-7d*	let-7*	CUAUACGACCUGCUGCCUUUCU
PI-1003	hsa-let-7a	let-7	UGAGGUAGUAGGUUGUAUAGUU
PI-1004	hsa-let-7a*	let-7*	CUAUACAAUCUACUGUCUUUC
PI-1005	hsa-let-7i*	let-7*	CUGCGCAAGCUACUGCCUUGCU
PI-1006	hsa-let-7f	let-7	UGAGGUAGUAGAUUGUAUAGUU
PI-1007	hsa-let-7f-1*	let-7*	CUAUACAAUCUAAUUGCCUUCU
PI-1008	hsa-let-7c	let-7	UGAGGUAGUAGGUUGUAUGGUU
PI-1009	hsa-let-7c*	let-7*	UAGAGUUACACCCUGGGAGUUA
PI-1010	hsa-let-7i	let-7	UGAGGUAGUAGUUUGUGCUGUU
PI-1011	hsa-let-7g*	let-7*	CUGUACAGGCCACUGCCUUGC
PI-1012	hsa-let-7e	let-7	UGAGGUAGGAGGUUGUAUAGUU
PI-1013	hsa-let-7e*	let-7*	CUAUACGGCCUCCUAGCUUUCU
PI-1014	hsa-let-7b	let-7	UGAGGUAGUAGGUUGUGUGGUU
PI-1015	hsa-let-7b*	let-7*	CUAUACAACCUACUGCCUUCU
PI-1016	hsa-let-7g	let-7	UGAGGUAGUAGUUUGUACAGUU
PI-1017	hsa-let-7f-2*	let-7*	CUAUACAGUCUACUGUCUUUCU
PI-1018	hsa-miR-1	miR-1	UGGAAUGUAAAGAAGUAUGUAU
PI-1019	hsa-miR-7-2*	miR-7*	CAACAAAUCCAGUCUACCUAA
PI-1020	hsa-miR-7-1*	miR-7*	CAACAAAUCACAGUCUGCCAUA
PI-1021	hsa-miR-7	miR-7	UGGAAGACUAGUGAUUUUGUUGU
PI-1022	hsa-miR-9	miR-9	UCUUUGGUUAUCUAGCUGUAUGA
PI-1023	hsa-miR-9*	miR-9*	AUAAAGCUAGAUACCGAAAGU
PI-1024	hsa-miR-10b	miR-10	UACCCUGUAGAACCGAAUUUGUG
PI-1025	hsa-miR-10b*	miR-10*	ACAGAUUCGAUUCUAGGGGAU
PI-1026	hsa-miR-10a	miR-10	UACCCUGUAGAUCCGAAUUUGUG
PI-1027	hsa-miR-10a*	miR-10*	CAAAUUCGUAUUCUAGGGGAUA
PI-1028	hsa-miR-15b*	miR-15*	CGAAUCAUUUUUGCUGCUCUA
PI-1029	hsa-miR-15a	miR-15	UAGCAGCACAUAAUGGUUUUGUG
PI-1030	hsa-miR-15a*	miR-15*	CAGGCCAUUUUGUGCUGCCUCA
PI-1031	hsa-miR-15b	miR-15	UAGCAGCACAUCAUGGUUUACA
PI-1032	hsa-miR-16-2*	miR-16*	CCAAUAAUACUGUGCUGCUUUA
PI-1033	hsa-miR-16-1*	miR-16*	CCAGUAAUAAACUGUGCUGCUGA
PI-1034	hsa-miR-16	miR-16	UAGCAGCACGUAAAUAUUGGCG
PI-1035	hsa-miR-17*	miR-17*	ACUGCAGUGAAGGCACUUGUAG
PI-1036	hsa-miR-17	miR-17	CAAAGUGCUUACAGUGCAGGUAG
PI-1037	hsa-miR-18a	miR-18	UAAGGUGCAUCUAGUGCAGAUAG
PI-1038	hsa-miR-18a*	miR-18*	ACUGCCCUAAGUGCUCCUUCUGG
PI-1039	hsa-miR-18b	miR-18	UAAGGUGCAUCUAGUGCAGUUAG
PI-1040	hsa-miR-18b*	miR-18*	UGCCCUAAAUGCCCUUCUGGC
PI-1041	hsa-miR-19b-2*	miR-19*	AGUUUUGCAGGUUUGCAUUUCA
PI-1042	hsa-miR-19b	miR-19	UGUGCAAUCCAUGCAAACUGA
PI-1043	hsa-miR-19b-1*	miR-19*	AGUUUUGCAGGUUUGCAUCCAGC
PI-1044	hsa-miR-19a	miR-19	UGUGCAAUCCAUGCAAACUGA
PI-1045	hsa-miR-19a*	miR-19*	AGUUUUGCAUAGUUGCAGUACA
PI-1046	hsa-miR-20b	miR-20	CAAAGUGCUCUAGUGCAGGUAG
PI-1047	hsa-miR-20b*	miR-20*	ACUGUAGUAUGGGCACUUCAG

PI-1048	hsa-miR-20a	miR-20	UAAAGUGCUUAUAGUGCAGGUAG
PI-1049	hsa-miR-20a*	miR-20*	ACUGCAUUAUGAGCACUAAAAG
PI-1050	hsa-miR-21	miR-21	UAGCUUAUCAGACUGAUGUUGA
PI-1051	hsa-miR-21*	miR-21*	CAACACCAGUCGAUGGGCUGU
PI-1052	hsa-miR-22*	miR-22*	AGUUCUUCAGUGGCAAGCUUUA
PI-1053	hsa-miR-22	miR-22	AAGCUGCCAGUUGAAGAACUGU
PI-1054	hsa-miR-23b*	miR-23*	UGGGUUCCUGGCAUGCUGAUUU
PI-1055	hsa-miR-23a	miR-23	AUCACAUUGCCAGGGAUUUCC
PI-1056	hsa-miR-23a*	miR-23*	GGGGUUCCUGGGGAUGGGAUUU
PI-1057	hsa-miR-23b	miR-23	AUCACAUUGCCAGGGAUUACC
PI-1058	hsa-miR-24-1*	miR-24*	UGCCUACUGAGCUGAUUACAGU
PI-1059	hsa-miR-24	miR-24	UGGCUCAGUUCAGCAGGAACAG
PI-1060	hsa-miR-24-2*	miR-24*	UGCCUACUGAGCUGAAACACAG
PI-1061	hsa-miR-25*	miR-25*	AGGCGGAGACUUGGGCAAUUG
PI-1062	hsa-miR-25	miR-25	CAUUGCACUUGUCUCGGUCUGA
PI-1063	hsa-miR-26a-1*	miR-26*	CCUAUUCUUGGUUACUUGCACG
PI-1064	hsa-miR-26b*	miR-26*	CCUGUUCUCCAUUACUUGGCUC
PI-1065	hsa-miR-26b	miR-26	UUCAAGUAAUUCAGGAUAGGU
PI-1066	hsa-miR-26a-2*	miR-26*	CCUAUUCUUGAUUACUUGUUUC
PI-1067	hsa-miR-26a	miR-26	UUCAAGUAAUCCAGGAUAGGCU
PI-1068	hsa-miR-27a*	miR-27*	AGGGCUUAGCUGCUUGUGAGCA
PI-1069	hsa-miR-27b	miR-27	UUCACAGUGGCUAAGUUCUGC
PI-1070	hsa-miR-27b*	miR-27*	AGAGCUUAGCUGAUUGGUGAAC
PI-1071	hsa-miR-27a	miR-27	UUCACAGUGGCUAAGUUCGCG
PI-1072	hsa-miR-28-5p	miR-28	AAGGAGCUCACAGUCUAUUGAG
PI-1073	hsa-miR-28-3p	miR-28	CACUAGAUUGUGAGCUCCUGGA
PI-1074	hsa-miR-29b-1*	miR-29*	GCUGGUUUCAUUUGGUGGUUUGA
PI-1075	hsa-miR-29b	miR-29	UAGCACCAUUUGAAAUCAGUGUU
PI-1076	hsa-miR-29c*	miR-29*	UGACCGAUUUCUCCUGGUGUUC
PI-1077	hsa-miR-29a*	miR-29*	ACUGAUUUCUUUUGGUGUUCAG
PI-1078	hsa-miR-29a	miR-29	UAGCACCAUCUGAAAUCGGUUA
PI-1079	hsa-miR-29b-2*	miR-29*	CUGGUUUCACAUGGUGGCUUAG
PI-1080	hsa-miR-29c	miR-29	UAGCACCAUUUGAAAUCGGUUA
PI-1081	hsa-miR-30c-1*	miR-30*	CUGGGAGAGGGUUGUUUACUCC
PI-1082	hsa-miR-30e	miR-30	UGUAAACAUCCUUGACUGGAAG
PI-1083	hsa-miR-30b	miR-30	UGUAAACAUCCUACACUCAGCU
PI-1084	hsa-miR-30d*	miR-30*	CUUUCAGUCAGAUGUUUGCUGC
PI-1085	hsa-miR-30b*	miR-30*	CUGGGAGGUGGAUGUUUACUUC
PI-1086	hsa-miR-30d	miR-30	UGUAAACAUCCCCGACUGGAAG
PI-1087	hsa-miR-30a	miR-30	UGUAAACAUCCUCGACUGGAAG
PI-1088	hsa-miR-30c-2*	miR-30*	CUGGGAGAAGGCUGUUUACUCU
PI-1089	hsa-miR-30a*	miR-30*	CUUUCAGUCGGAUGUUUGCAGC
PI-1090	hsa-miR-30c	miR-30	UGUAAACAUCCUACACUCUCAGC
PI-1091	hsa-miR-30e*	miR-30*	CUUUCAGUCGGAUGUUUACAGC
PI-1092	hsa-miR-31*	miR-31*	UGCUAUGCCAACAUAUUGCCA
PI-1093	hsa-miR-31	miR-31	AGGCAAGAUGCUGGCAUAGCU
PI-1094	hsa-miR-32*	miR-32*	CAAUUUAGUGUGUGUAUUAUU
PI-1095	hsa-miR-32	miR-32	UAUUGCACAUUACUAAGUUGCA
PI-1096	hsa-miR-33a*	miR-33*	CAAUGUUUCCACAGUGCAUCAC
PI-1097	hsa-miR-33b	miR-33	GUGCAUUGCUGUUGCAUUGC
PI-1098	hsa-miR-33b*	miR-33*	CAGUGCCUCGGCAGUGCAGCCC

PI-1099	hsa-miR-33a	miR-33	GUGCAUUGUAGUUGCAUUGCA
PI-1100	hsa-miR-34a	miR-34	UGGCAGUGUCUUAGCUGGUUGU
PI-1101	hsa-miR-34b*	miR-34*	UAGGCAGUGUCAUUAGCUGAUUG
PI-1102	hsa-miR-34c-3p	miR-34	AAUCACUAACCACACGGCCAGG
PI-1103	hsa-miR-34a*	miR-34*	CAAUCAGCAAGUAUACUGCCCU
PI-1104	hsa-miR-34b	miR-34	CAAUCACUAACUCCACUGCCAU
PI-1105	hsa-miR-34c-5p	miR-34	AGGCAGUGUAGUUAGCUGAUUGC
PI-1106	hsa-miR-92b*	miR-92*	AGGGACGGGACGCGGUGCAGUG
PI-1107	hsa-miR-92b	miR-92	UAUUGCACUCGUCGCCGCCUCC
PI-1108	hsa-miR-92a-2*	miR-92*	GGGUGGGGAUUUGUUGCAUUAC
PI-1109	hsa-miR-92a	miR-92	UAUUGCACUUGUCGCCGCCUGU
PI-1110	hsa-miR-92a-1*	miR-92*	AGGUUGGGAUCGGUUGCAAUGCU
PI-1111	hsa-miR-93*	miR-93*	ACUGCUGAGCUAGCACUUCCCG
PI-1112	hsa-miR-93	miR-93	CAAAGUGCUGUUCGUGCAGGUAG
PI-1113	hsa-miR-95	miR-95	UUCAACGGGUAUUUAUUGAGCA
PI-1114	hsa-miR-96	miR-96	UUUGGCACUAGCACAUUUUUGCU
PI-1115	hsa-miR-96*	miR-96*	AAUCAUGUGCAGUGCCAAUAUG
PI-1116	hsa-miR-98	miR-98	UGAGGUAGUAAGUUGUAUUGUU
PI-1117	hsa-miR-99a	miR-99	AACCCGUAGAUCGGAUCUUGUG
PI-1118	hsa-miR-99a*	miR-99*	CAAGCUCGCUUCUAUGGGUCUG
PI-1119	hsa-miR-99b	miR-99	CACCCGUAGAACCGACCUUGCG
PI-1120	hsa-miR-99b*	miR-99*	CAAGCUCGUGUCUGUGGGUCCG
PI-1121	hsa-miR-100*	miR-100*	CAAGCUUGUAUCUAUAGGUAUG
PI-1122	hsa-miR-100	miR-100	AACCCGUAGAUCGGAACUUGUG
PI-1123	hsa-miR-101	miR-101	UACAGUACUGUGAUAAACUGAA
PI-1124	hsa-miR-101*	miR-101*	CAGUUAUCACAGUGCUGAUGCU
PI-1125	hsa-miR-103	miR-103	AGCAGCAUUGUACAGGGCUAUGA
PI-1126	hsa-miR-105	miR-105	UCAAAUGCUCAGACUCCUGUGGU
PI-1127	hsa-miR-105*	miR-105*	ACGGAUGUUUGAGCAUGUGCUA
PI-1128	hsa-miR-106b*	miR-106*	CCGCACUGUGGGUACUUGCUGC
PI-1129	hsa-miR-106a	miR-106	AAAAGUGCUIACAGUGCAGGUAG
PI-1130	hsa-miR-106a*	miR-106*	CUGCAAUGUAAGCACUUCUAC
PI-1131	hsa-miR-106b	miR-106	UAAAGUGCUGACAGUGCAGAU
PI-1132	hsa-miR-107	miR-107	AGCAGCAUUGUACAGGGCUAUCA
PI-1133	hsa-miR-122*	miR-122*	AACGCCAUUAUCACACUAAUA
PI-1134	hsa-miR-122	miR-122	UGGAGUGUGACAAUGGUGUUUG
PI-1135	hsa-miR-124*	miR-124*	CGUGUUCACAGCGGACCUUGAU
PI-1136	hsa-miR-124	miR-124	UAAGGCACGCGGUGAAUGCC
PI-1137	hsa-miR-125b	miR-125	UCCUGAGACCCUAACUUGUGA
PI-1138	hsa-miR-125b-2*	miR-125*	UCACAAGUCAGGCUCUUGGGAC
PI-1139	hsa-miR-125a-5p	miR-125	UCCUGAGACCCUUUAACCUUGA
PI-1140	hsa-miR-125b-1*	miR-125*	ACGGGUUAGGCUCUUGGGAGCU
PI-1141	hsa-miR-125a-3p	miR-125	ACAGGUGAGGUUCUUGGGAGCC
PI-1142	hsa-miR-126	miR-126	UCGUACCGUGAGUAAUAUUGCG
PI-1143	hsa-miR-126*	miR-126*	CAUUAUUACUUUUGGUACGCG
PI-1144	hsa-miR-127-3p	miR-127	UCGGAUCCGUCUGAGCUUGGCU
PI-1145	hsa-miR-127-5p	miR-127	CUGAAGCUCAGAGGGCUCUGAU
PI-1146	hsa-miR-128a	miR-128	UCACAGUGAACCGGUCUCUUU
PI-1147	hsa-miR-129-3p	miR-129	AAGCCCUUACCCCAAAAAGCAU
PI-1148	hsa-miR-129*	miR-129*	AAGCCCUUACCCCAAAAAGUAU
PI-1149	hsa-miR-129-5p	miR-129	CUUUUUGCGGUCUGGGCUUGC

PI-1150	hsa-miR-130a	miR-130	CAGUGCAAUGUAAAAGGGCAU
PI-1151	hsa-miR-130a*	miR-130*	UUCACAUUGUGCUACUGUCUGC
PI-1152	hsa-miR-130b	miR-130	CAGUGCAAUGAUGAAAGGGCAU
PI-1153	hsa-miR-130b*	miR-130*	ACUCUUUCCCUGUUGCACUAC
PI-1154	hsa-miR-132*	miR-132*	ACCGUGGCUUUCGAUUGUUACU
PI-1155	hsa-miR-132	miR-132	U AACAGUCUACAGCCAUGGUCG
PI-1156	hsa-miR-133b	miR-133	UUUGGUCCCCUUCAACCAGCUA
PI-1157	hsa-miR-133a	miR-133	UUUGGUCCCCUUCAACCAGCUG
PI-1158	hsa-miR-134	miR-134	UGUGACUGGUUGACCAGAGGGG
PI-1159	hsa-miR-135b	miR-135	UAUGGCUUUUCAUUCUAUGUGA
PI-1160	hsa-miR-135b*	miR-135*	AUGUAGGGCUAAAAGCCAUGGG
PI-1161	hsa-miR-135a	miR-135	UAUGGCUUUUUUAUUCUAUGUGA
PI-1162	hsa-miR-135a*	miR-135*	UAUAGGGAUUGGAGCCGUGGCG
PI-1163	hsa-miR-136	miR-136	ACUCCA UUGUUUGAUGAUGGA
PI-1164	hsa-miR-136*	miR-136*	CAUCAUCGUCUCAAUGAGUCU
PI-1165	hsa-miR-137	miR-137	UUAUUGCUUAGAUAACGCGUAG
PI-1166	hsa-miR-138	miR-138	AGCUGGUGUUGUGAAUCAGGCCG
PI-1167	hsa-miR-138-2*	miR-138*	GCUAUUUCACGACACCAGGGUU
PI-1168	hsa-miR-138-1*	miR-138*	GCUACUUCACAACACCAGGGCC
PI-1169	hsa-miR-139-5p	miR-139	UCUACAGUGCACGUGUCUCCAG
PI-1170	hsa-miR-139-3p	miR-139	GGAGACGCGGCCCUGUUGGAGU
PI-1171	hsa-miR-140-3p	miR-140	UACCACAGGGUAGAACCACGG
PI-1172	hsa-miR-140-5p	miR-140	CAGUGGUUUUACCCUAUGGUAG
PI-1173	hsa-miR-141*	miR-141*	CAUCUCCAGUACAGUGUUGGA
PI-1174	hsa-miR-141	miR-141	U AACACUGUCUGGUAAAGAUGG
PI-1175	hsa-miR-142-5p	miR-142	CAUAAAGUAGAAAGCACUACU
PI-1176	hsa-miR-142-3p	miR-142	UGUAGUGUUUCCUACUUAUGGA
PI-1177	hsa-miR-143*	miR-143*	GGUGCAGUGCUGCAUCUCUGGU
PI-1178	hsa-miR-143	miR-143	UGAGAUGAAGCACUGUAGCUC
PI-1179	hsa-miR-144	miR-144	UACAGUAUAGAUGAUGUACU
PI-1180	hsa-miR-144*	miR-144*	GGAUAUCAUCAUAUACUGUAAG
PI-1181	hsa-miR-145*	miR-145*	GGAUUCCUGGAAAUACUGUUCU
PI-1182	hsa-miR-145	miR-145	GUCCAGUUUCCCAGGAAUCCCU
PI-1183	hsa-miR-146b-3p	miR-146	UGCCUGUGGACUCAGUUCUGG
PI-1184	hsa-miR-146a*	miR-146*	CCUCUGAAAUUCAGUUCUUCAG
PI-1185	hsa-miR-146a	miR-146	UGAGAACUGAAUCCAUGGGUU
PI-1186	hsa-miR-146b-5p	miR-146	UGAGAACUGAAUCCAUGGCU
PI-1187	hsa-miR-147	miR-147	GUGUGUGGAAAUGCUUCUGC
PI-1188	hsa-miR-147b	miR-147	GUGUGCGGAAAUGCUUCUGCUA
PI-1189	hsa-miR-148b	miR-148	UCAGUGCAUCACAGAACUUGU
PI-1190	hsa-miR-148b*	miR-148*	AAGUUCUGUUUAUACACUCAGGC
PI-1191	hsa-miR-148a	miR-148	UCAGUGCACUACAGAACUUGU
PI-1192	hsa-miR-148a*	miR-148*	AAAGUUCUGAGACACUCCGACU
PI-1193	hsa-miR-149*	miR-149*	AGGGAGGGACGGGGCUGUGC
PI-1194	hsa-miR-149	miR-149	UCUGGCUCGGUGUCUUCACUCCC
PI-1195	hsa-miR-150*	miR-150*	CUGGUACAGGCCUGGGGGACAG
PI-1196	hsa-miR-150	miR-150	UCUCCAACCCUUGUACCAGUG
PI-1197	hsa-miR-151-5p	miR-151	UCGAGGAGCUCACAGUCUAGU
PI-1198	hsa-miR-151-3p	miR-151	CUAGACUGAAGCUCCUUGAGG
PI-1199	hsa-miR-152	miR-152	UCAGUGCAUGACAGAACUUGG
PI-1200	hsa-miR-153	miR-153	UUGCAUAGUCACAAAAGUGAUC

PI-1201	hsa-miR-154*	miR-154*	AAUCAUACACGGUUGACCUAAU
PI-1202	hsa-miR-154	miR-154	UAGGUUAUCCGUGUUGCCUUCG
PI-1203	hsa-miR-155*	miR-155*	CUCCUACAUUUAGCAUUAACA
PI-1204	hsa-miR-155	miR-155	UJAAUUGCJAAUCGUGAUAGGGGU
PI-1205	hsa-miR-181a*	miR-181*	ACCAUCGACCGUUGAUUGUACC
PI-1206	hsa-miR-181b	miR-181	AACAUUCAUUGCUGUCGGUGGGU
PI-1207	hsa-miR-181c*	miR-181*	AACCAUCGACCGUUGAGUGGAC
PI-1208	hsa-miR-181d	miR-181	AACAUUCAUUGUUGUCGGUGGGU
PI-1209	hsa-miR-181a	miR-181	AACAUUCAACGCUGUCGGUGAGU
PI-1210	hsa-miR-181a-2*	miR-181*	ACCACUGACCGUUGACUGUACC
PI-1211	hsa-miR-181c	miR-181	AACAUUCAACCUGUCGGUGAGU
PI-1212	hsa-miR-182	miR-182	UUUGGCAAUGGUAGAACUCACACU
PI-1213	hsa-miR-182*	miR-182*	UGGUUCUAGACUUGCCAACUA
PI-1214	hsa-miR-183	miR-183	UAUGGCACUGGUAGAAUUCACU
PI-1215	hsa-miR-183*	miR-183*	GUGAAUUACCGAAGGGCCAUA
PI-1216	hsa-miR-184	miR-184	UGGACGGAGAACUGAUUAGGGU
PI-1217	hsa-miR-185	miR-185	UGGAGAGAAAGGCAGUCCUGA
PI-1218	hsa-miR-185*	miR-185*	AGGGGCUGGCUUUCUCUGGUC
PI-1219	hsa-miR-186*	miR-186*	GCCCAAAGGUGAAUUUUUUGGG
PI-1220	hsa-miR-186	miR-186	CAAAGAAUUCUCCUUUUGGGCU
PI-1221	hsa-miR-187*	miR-187*	GGCUACAACACAGGACCCGGGC
PI-1222	hsa-miR-187	miR-187	UCGUGUCUUGUGUUGCAGCCGG
PI-1223	hsa-miR-188-5p	miR-188	CAUCCCUUGCAUGGUGGAGGG
PI-1224	hsa-miR-188-3p	miR-188	CUCCCACAUGCAGGGUUUGCA
PI-1225	mm1-miR-189	miR-189	GUGCCUACUGAGCUGAUUUCAGU
PI-1226	hsa-miR-190b	miR-190	UGAUUUGUUUGAUUUGGGUU
PI-1227	hsa-miR-190	miR-190	UGAUUUGUUUGAUUUAUUGGU
PI-1228	hsa-miR-191	miR-191	CAACGGAAUCCCAAAGCAGCUG
PI-1229	hsa-miR-191*	miR-191*	GCUGCGCUUGGAUUUCGUCCCC
PI-1230	hsa-miR-192*	miR-192*	CUGCCAAUCCAUAGGUCACAG
PI-1231	hsa-miR-192	miR-192	CUGACCUAUGAAUUGACAGCC
PI-1232	hsa-miR-193a-5p	miR-193	UGGGUCUUUGCGGGCGAGAUGA
PI-1233	hsa-miR-193b*	miR-193*	CGGGGUUUUGAGGGCGAGAUGA
PI-1234	hsa-miR-193a-3p	miR-193	AACUGGCCUACAAGUCCAGU
PI-1235	hsa-miR-193b	miR-193	AACUGGCCCUACAAGUCCCGCU
PI-1236	hsa-miR-194	miR-194	UGUAACAGCAACUCCAUGUGGA
PI-1237	hsa-miR-194*	miR-194*	CCAGUGGGGCUGCUGUUAUCUG
PI-1238	hsa-miR-195*	miR-195*	CCAAUUAUUGGCUGUGCUCUCC
PI-1239	hsa-miR-195	miR-195	UAGCAGCACAGAAAUUUGGC
PI-1240	hsa-miR-196b	miR-196	UAGGUAGUUCCUGUUGUUGGG
PI-1241	hsa-miR-196a	miR-196	UAGGUAGUUCAUGUUGUUGGG
PI-1242	hsa-miR-196a*	miR-196*	CGGCAACAAGAAACUGCCUGAG
PI-1243	hsa-miR-197	miR-197	UUCACCACCUUCUCCACCCAGC
PI-1244	hsa-miR-198	miR-198	GGUCCAGAGGGGAGAUAGGUUC
PI-1245	hsa-miR-199b-5p	miR-199	CCCAGUGUUUAGACUAUCUGUUC
PI-1246	hsa-miR-199a-5p	miR-199	CCCAGUGUUCAGACUACCGUUC
PI-1247	hsa-miR-199a-3p	miR-199	ACAGUAGUCUGCACAUUGGUUA
PI-1248	hsa-miR-200a*	miR-200*	CAUCUUACCGGACAGUGCUGGA
PI-1249	hsa-miR-200a	miR-200	UAACACUGUCUGGUAACGAUGU
PI-1250	hsa-miR-200c*	miR-200*	CGUCUUACCCAGCAGUGUUUGG
PI-1251	hsa-miR-200c	miR-200	UAAUACUGCCGGGUAUUGAUGGA

PI-1252	hsa-miR-200b*	miR-200*	CAUCUUACUGGGCAGCAUUGGA
PI-1253	hsa-miR-200b	miR-200	UAAUACUGCCUGGUAAUGAUGA
PI-1254	mmu-miR-201	miR-201	UACUCAGUAAGGCAUUGUUCUU
PI-1255	hsa-miR-202*	miR-202*	UUCCUAUGCAUUAUACUUCUUUG
PI-1256	hsa-miR-202	miR-202	AGAGGUAUAGGGCAUGGGAA
PI-1257	hsa-miR-203	miR-203	GUGAAAUGUUUAGGACCACUAG
PI-1258	hsa-miR-204	miR-204	UUCCCUUUGUCAUCCUAUGCCU
PI-1259	hsa-miR-205	miR-205	UCCUUCAUCCACCGGAGUCUG
PI-1260	hsa-miR-206	miR-206	UGGAAUGUAAGGAAGUGUGUGG
PI-1261	mmu-miR-207	miR-207	GCUUCUCCUGGCUCUCCUCCUC
PI-1262	hsa-miR-208b	miR-208	AUAAGACGAACAAAAGGUUUGU
PI-1263	hsa-miR-208	miR-208	AUAAGACGAGCAAAAAGCUUGU
PI-1264	hsa-miR-210	miR-210	CUGUGCGUGUGACAGCGGCUGA
PI-1265	hsa-miR-211	miR-211	UUCCCUUUGUCAUCCUUCGCCU
PI-1266	hsa-miR-212	miR-212	UAACAGUCUCCAGUCACGGCC
PI-1267	hsa-miR-214	miR-214	ACAGCAGGCACAGACAGGCAGU
PI-1268	hsa-miR-214*	miR-214*	UGCCUGUCUACACUUGCUGUGC
PI-1269	hsa-miR-215	miR-215	AUGACCUAUGAAUUGACAGAC
PI-1270	hsa-miR-216a	miR-216	UAAUCUCAGCUGGCAACUGUGA
PI-1271	hsa-miR-216b	miR-216	AAAUCUCUGCAGGCAAUGUGA
PI-1272	hsa-miR-217	miR-217	UACUGCAUCAGGAACUGAUUGGA
PI-1273	hsa-miR-218	miR-218	UUGUGCUUGAUCUAACCAUGU
PI-1274	hsa-miR-218-2*	miR-218*	CAUGGUUCUGUCAAGCACCGCG
PI-1275	hsa-miR-218-1*	miR-218*	AUGGUUCCGUCAAGCACCAUGG
PI-1276	hsa-miR-219-5p	miR-219	UGAUUGUCCAAACGCAAUUCU
PI-1277	hsa-miR-219-2-3p	miR-219	AGAAUUGUGGCUGGACAUCUGU
PI-1278	hsa-miR-219-1-3p	miR-219	AGAGUUGAGUCUGGACGUCCCG
PI-1279	hsa-miR-220	miR-220	CCACACCGUAUCUGACACUUU
PI-1280	hsa-miR-220c	miR-220	ACACAGGGCUGUUGUGAAGACU
PI-1281	hsa-miR-220b	miR-220	CCACCACCGUGUCUGACACUU
PI-1282	hsa-miR-221*	miR-221*	ACCUGGCAUACAAUGUAGAUUU
PI-1283	hsa-miR-221	miR-221	AGCUACAUUGUCUGCUGGGUUUC
PI-1284	hsa-miR-222	miR-222	AGCUACAUCUGGCUACUGGGU
PI-1285	hsa-miR-222*	miR-222*	CUCAGUAGCCAGUGUAGAUCU
PI-1286	hsa-miR-223*	miR-223*	CGUGUAUUUGACAAGCUGAGUU
PI-1287	hsa-miR-223	miR-223	UGUCAGUUUGUCAAUACCCCA
PI-1288	hsa-miR-224	miR-224	CAAGUCACUAGUGGUUCCGUU
PI-1289	mmu-miR-290-3p	miR-290	AAAGUGCCGCCUAGUUUUUAGCCC
PI-1290	mmu-miR-290-5p	miR-290	ACUCAAACUAUGGGGGCACUUU
PI-1291	mmu-miR-291a-5p	miR-291	CAUCAAGUGGAGGCCUCUCU
PI-1292	mmu-miR-291b-5p	miR-291	GAUCAAGUGGAGGCCUCUCC
PI-1293	mmu-miR-291a-3p	miR-291	AAAGUGCUUCCACUUUGUGUGC
PI-1294	mmu-miR-291b-3p	miR-291	AAAGUGCAUCCAUUUUGUUUGU
PI-1295	mmu-miR-292-5p	miR-292	ACUCAACUGGGGGCUCUUUUG
PI-1296	mmu-miR-292-3p	miR-292	AAAGUGCCGCCAGGUUUUGAGUGU
PI-1297	mmu-miR-293	miR-293	AGUGCCGCAGAGUUUGUAGUGU
PI-1298	mmu-miR-294	miR-294	AAAGUGCUUCCUUUUGUGUGU
PI-1299	mmu-miR-295	miR-295	AAAGUGCUACUACUUUUGAGUCU
PI-1300	hsa-miR-296-3p	miR-296	GAGGGUUGGGUGGAGGCUCUCC
PI-1301	hsa-miR-296-5p	miR-296	AGGGCCCCCCUCAAUCCUGU
PI-1302	hsa-miR-297	miR-297	AUGUAUGUGUGCAUGUGCAUG

PI-1303	hsa-miR-298	miR-298	AGCAGAAGCAGGGAGGUUCUCCCA
PI-1304	hsa-miR-299-5p	miR-299	UGGUUUACCGUCCCACAUACA
PI-1305	hsa-miR-299-3p	miR-299	UAUGUGGGAUGGUAAACCGCUU
PI-1306	hsa-miR-300	miR-300	UAUACAAGGGCAGACUCUCUCU
PI-1307	hsa-miR-301a	miR-301	CAGUGCAAUAGUAUUGUCAAGC
PI-1308	hsa-miR-301b	miR-301	CAGUGCAAUGAUUUGUCAAGC
PI-1309	hsa-miR-302a*	miR-302*	ACUUAACGUGGAUGUACUUGCU
PI-1310	hsa-miR-302b	miR-302	UAAGUGCUUCCAUGUUUAGUAG
PI-1311	hsa-miR-302c*	miR-302*	UUUAACAUGGGGUACCUGCUG
PI-1312	hsa-miR-302d	miR-302	UAAGUGCUUCCAUGUUAGAGUGU
PI-1313	hsa-miR-302a	miR-302	UAAGUGCUUCCAUGUUUUGGUGA
PI-1314	hsa-miR-302b*	miR-302*	ACUUUAACAUGGAAGUGCUUUC
PI-1315	hsa-miR-302c	miR-302	UAAGUGCUUCCAUGUUUCAGUGG
PI-1316	hsa-miR-302d*	miR-302*	ACUUUAACAUGGAGGCACUUGC
PI-1317	hsa-miR-320	miR-320	AAAAGCUGGGUUGAGAGGGCGA
PI-1318	mmu-miR-322	miR-322	CAGCAGCAAUUCAUGUUUUGGA
PI-1319	hsa-miR-323-3p	miR-323	CACAUUACACGGUCGACCUCU
PI-1320	hsa-miR-323-5p	miR-323	AGGUGGUCCGUGGCGGUUCGC
PI-1321	hsa-miR-324-5p	miR-324	CGCAUCCCUAGGGCAUUGGUGU
PI-1322	hsa-miR-324-3p	miR-324	ACUGCCCCAGGUGCUGCUGG
PI-1323	hsa-miR-325	miR-325	CCUAGUAGGUGUCCAGUAAGUGU
PI-1324	hsa-miR-326	miR-326	CCUCUGGGCCCUUCCUCCAG
PI-1325	mmu-miR-327	miR-327	ACUUGAGGGGCAUGAGGAU
PI-1326	hsa-miR-328	miR-328	CUGGCCUCUCUGCCCUUCCGU
PI-1327	hsa-miR-329	miR-329	AACACACCUGGUUAACCUCUUU
PI-1328	hsa-miR-330-5p	miR-330	UCUCUGGGCCUGUGUCUUAGGC
PI-1329	hsa-miR-330-3p	miR-330	GCAAAGCACACGGCCUGCAGAGA
PI-1330	hsa-miR-331-5p	miR-331	CUAGGUAUGGUCCCAGGGAUCC
PI-1331	hsa-miR-331-3p	miR-331	GCCCCUGGGCCUAUCCUAGAA
PI-1332	rno-miR-333	miR-333	GUGGUGUGCUAGUUACUUUU
PI-1333	hsa-miR-335*	miR-335*	UUUUUCAUUAUUGCUCCUGACC
PI-1334	hsa-miR-335	miR-335	UCAAGAGCAAUAACGAAAAUGU
PI-1335	rno-miR-336	miR-336	UCACCCUCCAUAUCUAGUCU
PI-1336	hsa-miR-337-5p	miR-337	GAACGGCUUCAUACAGGAGUU
PI-1337	hsa-miR-337-3p	miR-337	CUCUAUAUGAUGCCUUUCUUC
PI-1338	hsa-miR-338-5p	miR-338	AACAAUAUCCUGGUGCUGAGUG
PI-1339	hsa-miR-338-3p	miR-338	UCCAGCAUCAGUAUUUUGUUG
PI-1340	hsa-miR-339-5p	miR-339	UCCCUGUCCUCCAGGAGCUCACG
PI-1341	hsa-miR-339-3p	miR-339	UGAGCGCCUCGACGACAGAGCCG
PI-1342	hsa-miR-340*	miR-340*	UCCGUCUCAGUUACUUUAUAGC
PI-1343	hsa-miR-340	miR-340	UUUAAGCAAUGAGACUGAUU
PI-1344	mmu-miR-341	miR-341	UCGGUCGAUCGGUCGGUCGGU
PI-1345	hsa-miR-342-5p	miR-342	AGGGGUGCUAUCUGUGAUUGA
PI-1346	hsa-miR-342-3p	miR-342	UCUCACACAGAAAUCGCACCCGU
PI-1347	mmu-miR-343	miR-343	UCUCCCUUCAUGUGCCAGAA
PI-1348	mmu-miR-344	miR-344	UGAUCUAGCCAAAGCCUGACUGU
PI-1349	hsa-miR-345	miR-345	GCUGACUCCUAGUCCAGGGCUC
PI-1350	hsa-miR-346	miR-346	UGUCUGCCCGAUGCCUGCCUCU
PI-1351	rno-miR-347	miR-347	UGUCCUCUGGGUCGCCCA
PI-1352	rno-miR-349	miR-349	CAGCCUGCUGUCUUAACCUCU
PI-1353	mmu-miR-350	miR-350	UUCACAAAGCCCAUACACUUUC

PI-1354	mmu-miR-351	miR-351	UCCCUGAGGAGCCCUUUGAGCCUG
PI-1355	rno-miR-352	miR-352	AGAGUAGUAGGUUGCAUAGUA
PI-1356	hsa-miR-361-5p	miR-361	UUAUCAGAAUCUCCAGGGGUAC
PI-1357	hsa-miR-361-3p	miR-361	UCCCCAGGUGUGAUUCUGAUUU
PI-1358	hsa-miR-362-5p	miR-362	AAUCCUUGGAACCUAGGUGUGAGU
PI-1359	hsa-miR-362-3p	miR-362	AACACACCUAUUCAAGGAUUCA
PI-1360	hsa-miR-363	miR-363	AAUUGCACGGUAUCCAUCUGUA
PI-1361	hsa-miR-363*	miR-363*	CGGGUGGAUCACGAUGCAAUUU
PI-1362	hsa-miR-365	miR-365	UAAUGCCCCUAAAAUCCUUAU
PI-1363	hsa-miR-367	miR-367	AAUUGCACUUUAGCAAUGGUGA
PI-1364	hsa-miR-367*	miR-367*	ACUGUUGCUAUAUUGCAACUCU
PI-1365	hsa-miR-369-3p	miR-369	AAUAAUACAUGGUUGAUCUUU
PI-1366	hsa-miR-369-5p	miR-369	AGAUCGACCGUGUUAUUAUUCGC
PI-1367	hsa-miR-370	miR-370	GCCUGCUGGGGUGGAACCUUGU
PI-1368	hsa-miR-371-3p	miR-371	AAGUGCCGCCAUCUUUUGAGUGU
PI-1369	hsa-miR-371-5p	miR-371	ACUCAAACUGUGGGGGCACU
PI-1370	hsa-miR-372	miR-372	AAAGUGCUGCGACAUUUGAGCGU
PI-1371	hsa-miR-373	miR-373	GAAGUGCUCGAUUUUGGGGUGU
PI-1372	hsa-miR-373*	miR-373*	ACUCAAAAUGGGGGCGCUUCC
PI-1373	hsa-miR-374b*	miR-374*	CUUAGCAGGUUGUAUUAUCAUU
PI-1374	hsa-miR-374a	miR-374	UUAUAAUACAACCUGAUAAGUG
PI-1375	hsa-miR-374a*	miR-374*	CUUAUCAGAUUGUAUUGUAAUU
PI-1376	hsa-miR-374b	miR-374	AUAUAAUACAACCUGCUAAGUG
PI-1377	hsa-miR-375	miR-375	UUUGUUCGUUCGGCUCGCGUGA
PI-1378	hsa-miR-376b	miR-376	AUCAUAGAGGAAAAUCCAUGUU
PI-1379	hsa-miR-376a*	miR-376*	GUAGAUUCUCCUUCUAUGAGUA
PI-1380	hsa-miR-376a	miR-376	AUCAUAGAGGAAAAUCCACGU
PI-1381	hsa-miR-376c	miR-376	AACAUAGAGGAAAAUCCACGU
PI-1382	hsa-miR-377*	miR-377*	AGAGGUUGCCCUUGGUGAAUUC
PI-1383	hsa-miR-377	miR-377	AUCACACAAAGGCAACUUUUGU
PI-1384	hsa-miR-378	miR-378	ACUGGACUUGGAGUCAGAAGG
PI-1385	hsa-miR-378*	miR-378*	CUCCUGACUCCAGGUCCUGUGU
PI-1386	hsa-miR-379*	miR-379*	UAUGUAACAUGGUCCACUAACU
PI-1387	hsa-miR-379	miR-379	UGGUAGACUAUGGAACGUAGG
PI-1388	hsa-miR-380*	miR-380*	UGGUUGACCAUAGAACAUGCGC
PI-1389	hsa-miR-380	miR-380	UAUGUAAUAUGGUCCACAUCUU
PI-1390	hsa-miR-381	miR-381	UAUACAAGGGCAAGCUCUCUGU
PI-1391	hsa-miR-382	miR-382	GAAGUUGUUCGUGGUGGAUUCG
PI-1392	hsa-miR-383	miR-383	AGAUCAGAAGGUGAUUGUGGCU
PI-1393	hsa-miR-384	miR-384	AUCCUAGAAAUUGUUCAUA
PI-1394	hsa-miR-409-5p	miR-409	AGGUUACCCGAGCAACUUUGCAU
PI-1395	hsa-miR-409-3p	miR-409	GAAUGUUGCUCGGUGAACCCCU
PI-1396	hsa-miR-410	miR-410	AAUUAACACAGAUGGCCUGU
PI-1397	hsa-miR-411	miR-411	UAGUAGACCGUAUAGCGUACG
PI-1398	hsa-miR-411*	miR-411*	UAUGUAACACGGUCCACUAACC
PI-1399	hsa-miR-412	miR-412	ACUUCACCUUGGUCCACUAGCCGU
PI-1400	hsa-miR-421	miR-421	AUCAACAGACAUUAUUUGGGCGC
PI-1401	hsa-miR-422a	miR-422	ACUGGACUJAGGGUCAGAAGGC
PI-1402	hsa-miR-423-3p	miR-423	AGCUCGGUCUGAGGCCCCUCAGU
PI-1403	hsa-miR-423-5p	miR-423	UGAGGGGCAGAGAGCGAGACUUU
PI-1404	hsa-miR-424*	miR-424*	CAAACGUGAGGGCGUCUUAU

PI-1405	hsa-miR-424	miR-424	CAGCAGCAAUUCAUGUUUUGAA
PI-1406	hsa-miR-425*	miR-425*	AUCGGGAAUGUCGUGUCCGCC
PI-1407	hsa-miR-425	miR-425	AAUGACACGAUCACUCCGUUGA
PI-1408	hsa-miR-429	miR-429	UAAUACUGUCUGGUAAAACCGU
PI-1409	hsa-miR-431*	miR-431*	CAGGUCGUCUUGCAGGGCUUCU
PI-1410	hsa-miR-431	miR-431	UGUCUUGCAGGCCGUAUGCA
PI-1411	hsa-miR-432*	miR-432*	CUGGAUGGCUCCUCAUGUCU
PI-1412	hsa-miR-432	miR-432	UCUUGGAGUAGGUCAUUGGGUGG
PI-1413	hsa-miR-433	miR-433	AUCAUGAUGGGCUCCUCGGUGU
PI-1414	mmu-miR-434-5p	miR-434	GCUCGACUCAUGGUUUGAACCA
PI-1415	mmu-miR-434-3p	miR-434	UUUGAACCAUCACUCGACUCCU
PI-1416	hsa-miR-448	miR-448	UUGCAUAUGUAGGAUGUCCCAU
PI-1417	hsa-miR-449b	miR-449	AGGCAGUGUAUUGUUAGCUGGC
PI-1418	hsa-miR-449a	miR-449	UGGCAGUGUAUUGUUAGCUGGU
PI-1419	hsa-miR-450b-5p	miR-450	UUUUGCAAUAUGUUCUGAAUA
PI-1420	hsa-miR-450b-3p	miR-450	UUGGGAUCAUUUUGCAUCCAUA
PI-1421	hsa-miR-450a	miR-450	UUUUGCGAUGUGUUCUAUAU
PI-1422	hsa-miR-451	miR-451	AAACCGUUACCAUACUGAGUU
PI-1423	hsa-miR-452	miR-452	AACUGUUUGCAGAGGAAACUGA
PI-1424	hsa-miR-452*	miR-452*	CUCAUCUGCAAAGAAGUAAGUG
PI-1425	hsa-miR-453	miR-453	AGGUUGUCCGUGGUGAGUUCGCA
PI-1426	hsa-miR-454	miR-454	UAGUGCAAUAUUGCUUAUAGGGU
PI-1427	hsa-miR-454*	miR-454*	ACCCUAUCAUAUUGUCUCUGC
PI-1428	hsa-miR-455-5p	miR-455	UAUGUGCCUUUGGACUACAUCG
PI-1429	hsa-miR-455-3p	miR-455	GCAGUCCAUGGGCAUAUACAC
PI-1430	gga-miR-456	miR-456	CAGGCUGGUUAGAUGGUUGUCA
PI-1431	gga-miR-460	miR-460	CCUGCAUUGUACACACUGUGUG
PI-1432	mmu-miR-463	miR-463	UGAUAGACACCAUAUAAGGUAG
PI-1433	mmu-miR-464	miR-464	UACCAAGUUUAUUCUGUGAGUA
PI-1434	mmu-miR-465c-5p	miR-465	UAUUUAGAAUGGCGCUGAUCUG
PI-1435	mmu-miR-465a-3p	miR-465	GAUCAGGGCCUUUCUAAGUAGA
PI-1436	mmu-miR-465b-5p	miR-465	UAUUUAGAAUGGUGCUGAUCUG
PI-1437	mmu-miR-465a-5p	miR-465	UAUUUAGAAUGGCACUGAUGUGA
PI-1438	mmu-miR-466e-5p	miR-466	GAUGUGUGUGUACAUGUACAUA
PI-1439	mmu-miR-466c-5p	miR-466	GAUGUGUGUGUGCAUGUACAUA
PI-1440	mmu-miR-466a-5p	miR-466	UAUGUGUGUGUACAUGUACAUA
PI-1441	mmu-miR-466f-5p	miR-466	UACGUGUGUGUGCAUGUGCAUG
PI-1442	mmu-miR-466d-5p	miR-466	UGUGUGUGCGUACAUGUACAUG
PI-1443	mmu-miR-466b-5p	miR-466	GAUGUGUGUGUACAUGUACAUG
PI-1444	mmu-miR-466h	miR-466	UGUGUGCAUGUGCUUGUGUGUA
PI-1445	mmu-miR-466a-3p	miR-466	UAUACAUAACACGCACACUAAGA
PI-1446	mmu-miR-466f-3p	miR-466	CAUACACACACACAUACACAC
PI-1447	mmu-miR-466d-3p	miR-466	UAUACAUAACACGCACACAUAG
PI-1448	mmu-miR-466b-3-3p	miR-466	AAUACAUAACACGCACACUAAGA
PI-1449	mmu-miR-466g	miR-466	AUACAGACACAUAGCACACACA
PI-1450	mmu-miR-467d	miR-467	UAAGUGCGCGCAUGUAUAUGCG
PI-1451	mmu-miR-467a	miR-467	UAAGUGCCUGCAUGUAUAUGCG
PI-1452	mmu-miR-467c	miR-467	UAAGUGCGUGCAUGUAUAUGUG
PI-1453	mmu-miR-467e	miR-467	AUAAGUGUGAGCAUGUAUAUGU
PI-1454	mmu-miR-467b	miR-467	GUAAGUGCCUGCAUGUAUAUG
PI-1455	mmu-miR-468	miR-468	UAUGACUGAUGUGCGUGUGUCUG

PI-1456	mmu-miR-469	miR-469	UGCCUCUUUCAUUGAUCUUGGUGUCC
PI-1457	mmu-miR-470	miR-470	UUCUUGGACUGGCACUGGUGAGU
PI-1458	mmu-miR-471	miR-471	UACGUAGUAUAGUGCUUUUCAC
PI-1459	hsa-miR-483-5p	miR-483	AAGACGGGAGGAAAGAAGGGAG
PI-1460	hsa-miR-483-3p	miR-483	UCACUCCUCUCCUCCCGUCUU
PI-1461	hsa-miR-484	miR-484	UCAGGCUCAGUCCCUCCCGAU
PI-1462	hsa-miR-485-5p	miR-485	AGAGGCUGGCCGUGAUGAAUUC
PI-1463	hsa-miR-485-3p	miR-485	GUCAUACACGGCUCUCCUCUCU
PI-1464	hsa-miR-486-5p	miR-486	UCCUGUACUGAGCUGCCCGAG
PI-1465	hsa-miR-486-3p	miR-486	CGGGGCAGCUCAGUACAGGAU
PI-1466	hsa-miR-487a	miR-487	AAUCAUACAGGGACAUCAGUU
PI-1467	hsa-miR-487b	miR-487	AAUCGUACAGGGUCAUCCACUU
PI-1468	hsa-miR-488*	miR-488*	CCCAGAUAAUGGCACUCUCA
PI-1469	hsa-miR-488	miR-488	UUGAAAGGCUAUUUCUUGGUC
PI-1470	hsa-miR-489	miR-489	GUGACAUCACAUUACGGCAGC
PI-1471	hsa-miR-490-3p	miR-490	CAACCUUGGAGGACUCCAUGCUG
PI-1472	hsa-miR-490-5p	miR-490	CCAUGGAUCUCCAGGUGGGU
PI-1473	hsa-miR-491-5p	miR-491	AGUGGGGAACCCUCCAUGAGG
PI-1474	hsa-miR-491-3p	miR-491	CUUAUGCAAGAUUCCUUCUAC
PI-1475	hsa-miR-492	miR-492	AGGACCUGCGGGACAAGAUUCUU
PI-1476	hsa-miR-493*	miR-493*	UUGUACAUGGUAGGCUUUCUU
PI-1477	hsa-miR-493	miR-493	UGAAGGUCUACUGUGUGCCAGG
PI-1478	hsa-miR-494	miR-494	UGAAACAUAACACGGGAAACCUC
PI-1479	hsa-miR-495	miR-495	AAACAACAUGGUGCACUUCUU
PI-1480	hsa-miR-496	miR-496	UGAGUAUUACAUGGCCAAUCUC
PI-1481	hsa-miR-497*	miR-497*	CAAACCACACUGUGGUGUUAGA
PI-1482	hsa-miR-497	miR-497	CAGCAGCACACUGUGGUUUGU
PI-1483	hsa-miR-498	miR-498	UUUCAAGCCAGGGGGCGUUUUUC
PI-1484	hsa-miR-499-5p	miR-499	UUAAGACUUGCAGUGAUGUUU
PI-1485	hsa-miR-499-3p	miR-499	AACAUCACAGCAAGUCUGUGCU
PI-1486	hsa-miR-500*	miR-500*	AUGCACCUGGGCAAGGAUUCUG
PI-1487	hsa-miR-500	miR-500	UAAUCCUUGCUCUCCUGGGUGAGA
PI-1488	hsa-miR-501-5p	miR-501	AAUCCUUUGUCCUUGGGUGAGA
PI-1489	hsa-miR-501-3p	miR-501	AAUGCACCCGGGCAAGGAUUCU
PI-1490	hsa-miR-502-3p	miR-502	AAUGCACCUGGGCAAGGAUUCA
PI-1491	hsa-miR-502-5p	miR-502	AUCCUUGCUAUCUGGGUGCUA
PI-1492	hsa-miR-503	miR-503	UAGCAGCGGGAACAGUUCUGCAG
PI-1493	hsa-miR-504	miR-504	AGACCCUGGUCUGCACUCUAUC
PI-1494	hsa-miR-505*	miR-505*	GGGAGCCAGGAAGUAUUGAUGU
PI-1495	hsa-miR-505	miR-505	CGUCAACACUUGCUGGUUCCU
PI-1496	hsa-miR-506	miR-506	UAAGGCACCCUUCUGAGUAGA
PI-1497	hsa-miR-507	miR-507	UUUUGCACCUUUUGGAGUGAA
PI-1498	hsa-miR-508-3p	miR-508	UGAUUGUAGCCUUUUGGAGUAGA
PI-1499	hsa-miR-508-5p	miR-508	UACUCCAGAGGGCGUCACUCAUG
PI-1500	hsa-miR-509-3p	miR-509	UGAUUGGUACGUCUGUGGGUAG
PI-1501	hsa-miR-568	miR-568	AUGUAUAAAUGUAUACACAC
PI-1502	hsa-miR-569	miR-569	AGUUAUUGAAUCCUGGAAAGU
PI-1503	hsa-miR-570	miR-570	CGAAAACAGCAAUJACCUUJGC
PI-1504	hsa-miR-571	miR-571	UGAGUUGGCCAUCUGAGUGAG
PI-1505	hsa-miR-572	miR-572	GUCCGCUCGGCGGUGGCCCA
PI-1506	hsa-miR-573	miR-573	CUGAAGUGAUGUGUAACUGAUCAG

PI-1507	hsa-miR-574-3p	miR-574	CACGCUCAUGCACACACCCACA
PI-1508	hsa-miR-574-5p	miR-574	UGAGUGUGUGUGUGUGAGUGUGU
PI-1509	hsa-miR-575	miR-575	GAGCCAGUUGGACAGGAGC
PI-1510	hsa-miR-576-3p	miR-576	AAGAUGUGGAAAAAUUGGAAUC
PI-1511	hsa-miR-576-5p	miR-576	AUUCUAAUUUCUCCACGUCUUU
PI-1512	hsa-miR-577	miR-577	UAGAUAAAUAUUGGUACCUG
PI-1513	hsa-miR-578	miR-578	CUUCUUGUGCUCUAGGAUUGU
PI-1514	hsa-miR-579	miR-579	UUCAUUUGGUAAUAAACCGCGAUU
PI-1515	hsa-miR-580	miR-580	UUGAGAAUGAUGAAUCAUJAGG
PI-1516	hsa-miR-581	miR-581	UCUUGUGUUCUCUAGAUCAGU
PI-1517	hsa-miR-582-5p	miR-582	UUACAGUUGUUAACCAGUUACU
PI-1518	hsa-miR-582-3p	miR-582	UAACUGGUUGAACAACUGAACCC
PI-1519	hsa-miR-583	miR-583	CAAAGAGGAAGGUCCCAUJAC
PI-1520	hsa-miR-584	miR-584	UUAUGGUUUGCCUGGGACUGAG
PI-1521	hsa-miR-585	miR-585	UGGGCGUAUCUGUAUGCUA
PI-1522	hsa-miR-586	miR-586	UAUGCAUUGUAUUUUUAGGUCC
PI-1523	hsa-miR-587	miR-587	UUUCCAUGGUGAUGAGUCAC
PI-1524	hsa-miR-588	miR-588	UUGGCCACAAUGGGUUAGAAC
PI-1525	hsa-miR-589*	miR-589*	UCAGAACAAAUGCCGGUCCAGAA
PI-1526	hsa-miR-589	miR-589	UGAGAACCACGUCUGCUCUGAG
PI-1527	hsa-miR-590-5p	miR-590	GAGCUUAUUCAUAAAAGUGCAG
PI-1528	hsa-miR-590-3p	miR-590	UAAUUUUAUGUAUAAGCUAGU
PI-1529	hsa-miR-591	miR-591	AGACCAUGGGUUCUCAUUGU
PI-1530	hsa-miR-592	miR-592	UUGUGUCAUAUUGCGAUGAUGU
PI-1531	hsa-miR-593	miR-593	UGUCUCUGCUGGGGUUUUCU
PI-1532	hsa-miR-593*	miR-593*	AGGCACCAGCCAGGCAUUGCUCAGC
PI-1533	hsa-miR-595	miR-595	GAAGUGUGCCGUGGUGUGUCU
PI-1534	hsa-miR-596	miR-596	AAGCCUGCCCGGCUCUCCUGGG
PI-1535	hsa-miR-597	miR-597	UGUGUCACUCGAUGACCACUGU
PI-1536	hsa-miR-598	miR-598	UACGUCAUCGUUGUCAUCGUCA
PI-1537	hsa-miR-599	miR-599	GUUGUGUCAGUUUAUCAAAC
PI-1538	hsa-miR-600	miR-600	ACUUACAGACAAGAGCCUUGCUC
PI-1539	hsa-miR-601	miR-601	UGGUCUAGGAUUGUUGGAGGAG
PI-1540	hsa-miR-602	miR-602	GACACGGGCGACAGCUGCGGCC
PI-1541	hsa-miR-603	miR-603	CACACACUGCAAUUACUUUUGC
PI-1542	hsa-miR-604	miR-604	AGGCUGCGGAAUUCAGGAC
PI-1543	hsa-miR-605	miR-605	UAAAUCCCAUGGUGCCUUCUCCU
PI-1544	hsa-miR-606	miR-606	AAACUACUGAAAUAUCAAAGAU
PI-1545	hsa-miR-607	miR-607	GUUCAAAUCCAGAUCUAUAAC
PI-1546	hsa-miR-608	miR-608	AGGGGUGGUGUUGGGACAGCUCCGU
PI-1547	hsa-miR-609	miR-609	AGGGUGUUUCUCUCAUCUCU
PI-1548	hsa-miR-610	miR-610	UGAGCUAAAUGUGUGCUGGGA
PI-1549	hsa-miR-611	miR-611	GCGAGGACCCUCGGGGUCUGAC
PI-1550	hsa-miR-612	miR-612	GCUGGGCAGGGCUUCUGAGCUCCU
PI-1551	hsa-miR-613	miR-613	AGGAAUGUUCUUCUUUGCC
PI-1552	hsa-miR-614	miR-614	GAACGCCUGUUCUUGCCAGGUGG
PI-1553	hsa-miR-615-3p	miR-615	UCCGAGCCUGGGUCUCCUUCU
PI-1554	hsa-miR-615-5p	miR-615	GGGGGUCCCGGUGCUCGGAUC
PI-1555	hsa-miR-616	miR-616	AGUCAUUGGAGGGUUUGAGCAG
PI-1556	hsa-miR-616*	miR-616*	ACUCAAAACCCUUCAGUGACUU
PI-1557	hsa-miR-617	miR-617	AGACUCCCAUUUGAAGGUGGC

PI-1558	hsa-miR-618	miR-618	AAACUCUACUUGUCCUUCUGAGU
PI-1559	hsa-miR-619	miR-619	GACCUGGACAUGUUUGUGCCCAGU
PI-1560	hsa-miR-620	miR-620	AUGGAGAUAGAUAUAGAAAU
PI-1561	hsa-miR-621	miR-621	GGCUAGCAACAGCGCUUACCU
PI-1562	hsa-miR-622	miR-622	ACAGUCUGCUGAGGUUGGAGC
PI-1563	hsa-miR-623	miR-623	AUCCCUUGCAGGGGCUGUUGGGU
PI-1564	hsa-miR-624*	miR-624*	UAGUACCAGUACCUUGUGUUCA
PI-1565	hsa-miR-624	miR-624	CACAAGGUAUUGGUUUUACCU
PI-1566	hsa-miR-625	miR-625	AGGGGGAAAGUUCUAUAGUCC
PI-1567	hsa-miR-625*	miR-625*	GACUAUAGAACUUUCCCCUCA
PI-1568	hsa-miR-626	miR-626	AGCUGUCUGAAAAUGUCUU
PI-1569	hsa-miR-627	miR-627	GUGAGUCUCUAAGAAAAGAGGA
PI-1570	hsa-miR-628-5p	miR-628	AUGCUGACAUAUUUACUAGAGG
PI-1571	hsa-miR-628-3p	miR-628	UCUAGUAAGAGUGGCAGUCGA
PI-1572	hsa-miR-629*	miR-629*	GUUCUCCCAACGUAAGCCCAGC
PI-1573	hsa-miR-629	miR-629	UGGGUUUACGUUGGGAGAACU
PI-1574	hsa-miR-630	miR-630	AGUAUUCUGUACCAGGGAAGGU
PI-1575	hsa-miR-631	miR-631	AGACCUGGCCCAGACCUCAGC
PI-1576	hsa-miR-632	miR-632	GUGUCUGCUUCCUGUGGGA
PI-1577	hsa-miR-633	miR-633	CUAAUAGUAUCUACCACAAUAAA
PI-1578	hsa-miR-634	miR-634	AACCAGCACCCCAACUUUGGAC
PI-1579	hsa-miR-635	miR-635	ACUUGGGCACUGAAACAAUGUCC
PI-1580	hsa-miR-636	miR-636	UGUGCUUGCUCGUCCCGCCGCA
PI-1581	hsa-miR-637	miR-637	ACUGGGGGCUUUCGGGCUCUGCGU
PI-1582	hsa-miR-638	miR-638	AGGGAUCGCGGGCGGGUGGCGGCCU
PI-1583	hsa-miR-639	miR-639	AUCGCUGCGGUUGCGAGCGCUGU
PI-1584	hsa-miR-640	miR-640	AUGAUCCAGGAACCUGCCUCU
PI-1585	hsa-miR-641	miR-641	AAAGACAUAGGAUAGAGUCACCUC
PI-1586	hsa-miR-642	miR-642	GUCCUCUCCAAAUGUGUCUUG
PI-1587	hsa-miR-643	miR-643	ACUUGUAUGCUAGCUCAGGUAG
PI-1588	hsa-miR-644	miR-644	AGUGUGGCUUUCUAGAGC
PI-1589	hsa-miR-645	miR-645	UCUAGGCUGGUACUGCUGA
PI-1590	hsa-miR-646	miR-646	AAGCAGCUGCCUCUGAGGC
PI-1591	hsa-miR-647	miR-647	GUGGCUGCACUCACUUCUUC
PI-1592	hsa-miR-648	miR-648	AAGUGUGCAGGGCACUGGU
PI-1593	hsa-miR-649	miR-649	AAACCUGUGUUGUUAAGAGUC
PI-1594	hsa-miR-650	miR-650	AGGAGGCAGCGCUCUCAGGAC
PI-1595	hsa-miR-651	miR-651	UUUAGGAUAAGCUUGACUUUUG
PI-1596	hsa-miR-652	miR-652	AAUGGCGCCACUAGGGUUGUG
PI-1597	hsa-miR-653	miR-653	GUGUUGAAACAUCUCUACUG
PI-1598	hsa-miR-654-3p	miR-654	UAUGUCUGCUGACCAUCACCUU
PI-1599	hsa-miR-654-5p	miR-654	UGGUGGGCCGCAGAACAUGUGC
PI-1600	hsa-miR-655	miR-655	AUAAUACAUGGUUAACCUCUUU
PI-1601	hsa-miR-656	miR-656	AAUAUUAUACAGUCAACCUCU
PI-1602	hsa-miR-657	miR-657	GGCAGGUUCUCACCCUCUCUAGG
PI-1603	hsa-miR-658	miR-658	GGCGGAGGGAAGUAGGUCCGUUGGU
PI-1604	hsa-miR-659	miR-659	CUUGGUUCAGGGAGGGUCCCA
PI-1605	hsa-miR-660	miR-660	UACCAUUGCAUAUCGGAGUUG
PI-1606	hsa-miR-661	miR-661	UGCCUGGGUCUCUGGCCUGCGCGU
PI-1607	hsa-miR-662	miR-662	UCCACGUUGUGGCCCAGCAG
PI-1608	hsa-miR-663	miR-663	AGGCGGGGCGCCGCGGGACCGC

PI-1609	rno-miR-664	miR-664	UAUUCAUUUACUCCCCAGCCUA
PI-1610	hsa-miR-665	miR-665	ACCAGGAGGCUGAGGCCCCU
PI-1611	mmu-miR-666-3p	miR-666	GGCUGCAGCGUGAUCGCCUGCU
PI-1612	mmu-miR-666-5p	miR-666	AGCGGGCACAGCUGUGAGAGCC
PI-1613	mmu-miR-667	miR-667	UGACACCUGCCACCCAGCCCAAG
PI-1614	hsa-miR-668	miR-668	UGUCACUCGGCUCGGCCACUAC
PI-1615	mmu-miR-669c	miR-669	AUAGUUGUGUGUGGAUGUGUGU
PI-1616	mmu-miR-669b	miR-669	AGUUUUGUGUGCAUGUGCAUGU
PI-1617	mmu-miR-669a	miR-669	AGUUGUGUGUGCAUGUUCAUGU
PI-1618	mmu-miR-670	miR-670	AUCCUGAGUGUAUGUGGUGAA
PI-1619	hsa-miR-671-3p	miR-671	UCCGGUUCUCAGGGCUCCACC
PI-1620	hsa-miR-671-5p	miR-671	AGGAAGCCUGGAGGGGCUGGAG
PI-1621	hsa-miR-672	miR-672	UGAGGUUGGUGUACUGUGUGUGA
PI-1622	mmu-miR-673-3p	miR-673	UCCGGGGCUGAGUUCUGUGCACC
PI-1623	mmu-miR-673-5p	miR-673	CUCACAGCUCUGGUCCUUGGAG
PI-1624	hsa-miR-674	miR-674	GCACUGAGAUGGGAGUGGUGUA
PI-1625	hsa-miR-675	miR-675	UGGUGCGGAGAGGGCCACAGUG
PI-1626	mmu-miR-676	miR-676	CCGUCCUGAGGUUGUUGAGCU
PI-1627	mmu-miR-677	miR-677	UUCAGUGAUGAUUAGCUUCUGA
PI-1628	mmu-miR-678	miR-678	GUCUCGGUGCAAGGACUGGAGG
PI-1629	mmu-miR-679	miR-679	GGACUGUGAGGUGACUCUUGGU
PI-1630	mmu-miR-680	miR-680	GGGCAUCUGCUGACAUGGGGG
PI-1631	mmu-miR-681	miR-681	CAGCCUCGCUGGCAGGCAGCU
PI-1632	mmu-miR-682	miR-682	CUGCAGUCACAGUGAAGUCUG
PI-1633	mmu-miR-683	miR-683	CCUGCUGUAAGCUGUGUCCUC
PI-1634	mmu-miR-684	miR-684	AGUUUCCCUUCAAGUCAAA
PI-1635	mmu-miR-685	miR-685	UCAUUGGCUGAGGUGAGGCAC
PI-1636	mmu-miR-686	miR-686	AUUGCUUCCAGACGGUGAAGA
PI-1637	mmu-miR-687	miR-687	CUAUCCUGGAAUGCAGCAAUGA
PI-1638	mmu-miR-688	miR-688	UCGCAGGCGACUACUUAUUC
PI-1639	mmu-miR-689	miR-689	CGUCCCCGCUCGGCGGGGUCC
PI-1640	mmu-miR-690	miR-690	AAAGGCUAGGCUCACAACCAAA
PI-1641	mmu-miR-691	miR-691	AUUCUGAAGAGAGGCAGAAAA
PI-1642	mmu-miR-692	miR-692	AUCUCUUUGAGCGCCUCACUC
PI-1643	mmu-miR-693-3p	miR-693	GCAGCUUUCAGAUGUGGCUGUAA
PI-1644	mmu-miR-693-5p	miR-693	CAGCCACAUCCGAAAGUUUUC
PI-1645	mmu-miR-694	miR-694	CUGAAAAUGUUGCCUGAAG
PI-1646	mmu-miR-695	miR-695	AGAUUGGGCAUAGGUGACUGAA
PI-1647	mmu-miR-696	miR-696	GCGUGUGCUUGCUGUGGG
PI-1648	mmu-miR-697	miR-697	AACAUCCUGGUCCUGUGGAGA
PI-1649	mmu-miR-698	miR-698	CAUUCUCGUUUCUUCUCCU
PI-1650	mmu-miR-699	miR-699	AGGCAGUGCGACCUGGCUCG
PI-1651	mmu-miR-700	miR-700	CACGCGGGAACCGAGUCCACC
PI-1652	mmu-miR-701	miR-701	UUAGCCGCUGAAAUAGAUGGA
PI-1653	mmu-miR-702	miR-702	UGCCACCCUUUACCCCGCUC
PI-1654	mmu-miR-703	miR-703	AAAACCUUCAGAAGGAAAGAA
PI-1655	mmu-miR-704	miR-704	AGACAUGUGCUCUGCUCUCCUAG
PI-1656	mmu-miR-705	miR-705	GGUGGGAGGUGGGGUGGGCA
PI-1657	mmu-miR-706	miR-706	AGAGAAACCCUGUCUCAAAAAA
PI-1658	mmu-miR-707	miR-707	CAGUCAUGCCGCUUGCCUACG
PI-1659	hsa-miR-708	miR-708	AAGGAGCUUACAAUCUAGCUGGG

PI-1660	hsa-miR-708*	miR-708*	CAACUAGACUGUGAGCUUCUAG
PI-1661	mmu-miR-709	miR-709	GGAGGCAGAGGCAGGAGGA
PI-1662	mmu-miR-710	miR-710	CCAAGUCUUGGGGAGAGUUGAG
PI-1663	mmu-miR-711	miR-711	GGGACCCGGGGAGAGAUGUAAG
PI-1664	mmu-miR-712	miR-712	CUCCUUCACCCGGGCGGUACC
PI-1665	mmu-miR-713	miR-713	UGCACUGAAGGCACACAGC
PI-1666	mmu-miR-714	miR-714	CGACGAGGGCCGGUCGGUCGC
PI-1667	mmu-miR-715	miR-715	CUCCGUGCACACCCCGCGUG
PI-1668	mmu-miR-717	miR-717	CUCAGACAGAGAUACCUUCUCU
PI-1669	mmu-miR-718	miR-718	CUUCCGCCCGGCCGGUGUCG
PI-1670	mmu-miR-719	miR-719	AUCUCGGCUACAGAAAAUGUU
PI-1671	mmu-miR-720	miR-720	AUCUCGCUGGGGCCUCCA
PI-1672	mmu-miR-721	miR-721	CAGUGCAAUJAAAAGGGGGAA
PI-1673	mmu-miR-741	miR-741	UGAGAGAUGCCAUUCUAUGUAGA
PI-1674	mmu-miR-742	miR-742	GAAAGCCACCAUGCUGGGUAAA
PI-1675	mmu-miR-743b-3p	miR-743	GAAAGACAUCAUGCUGAAUAGA
PI-1676	mmu-miR-743a	miR-743	GAAAGACACCAAGCUGAGUAGA
PI-1677	mmu-miR-743b-5p	miR-743	UGUUCAGACUGGUGUCCAUCA
PI-1678	hsa-miR-744*	miR-744*	CUGUUGCCACUAACCUCAACCU
PI-1679	hsa-miR-744	miR-744	UGCGGGGCUAGGGCUAACAGCA
PI-1680	gga-miR-757	miR-757	GCAGAGCUGCAGAUGGGAUUC
PI-1681	hsa-miR-758	miR-758	UUUGUGACCUGGUCCACUAACC
PI-1682	mmu-miR-759	miR-759	GCAGAGUGCAAACAUUUUUGAC
PI-1683	hsa-miR-760	miR-760	CGGCUCUGGGUCUGUGGGGA
PI-1684	mmu-miR-761	miR-761	GCAGCAGGGUGAAACUGACACA
PI-1685	mmu-miR-762	miR-762	GGGGCUGGGGCCGGGACAGAGC
PI-1686	mmu-miR-763	miR-763	CCAGCUGGGAAGAACCAGUGGC
PI-1687	mmu-miR-764-3p	miR-764	AGGAGGCCAUAGUGGCAACUGU
PI-1688	mmu-miR-764-5p	miR-764	GGUGCUCACAUGUCCUCCU
PI-1689	hsa-miR-765	miR-765	UGGAGGAGAAGGAAGGUGAUG
PI-1690	hsa-miR-766	miR-766	ACUCCAGCCCCACAGCCUCAGC
PI-1691	hsa-miR-767-5p	miR-767	UGCACCAUGGUUGUCUGAGCAUG
PI-1692	hsa-miR-767-3p	miR-767	UCUGCUCAUACCCCAUGGUUUCU
PI-1693	hsa-miR-768-5p	miR-768	GUUGGAGGAUGAAAGUACGGAGUGAU
PI-1694	hsa-miR-768-3p	miR-768	UCACAAUGCUGACACUCAACUCUGAC
PI-1695	hsa-miR-769-3p	miR-769	CUGGGAUCUCCGGGGUCUUGGUU
PI-1696	hsa-miR-769-5p	miR-769	UGAGACCUCUGGGUUCUGAGCU
PI-1697	hsa-miR-770-5p	miR-770	UCCAGUACCACGUGUCAGGGCCA
PI-1698	hsa-miR-801	miR-801	GAUUGCUCUGCGUGCGGAAUCGAC
PI-1699	hsa-miR-802	miR-802	CAGUAACAAGAUUCAUCCUUGU
PI-1700	mmu-miR-804	miR-804	UGUGAGUUGUCCUCACCUGGA
PI-1701	mmu-miR-805	miR-805	GAAUUGAUCAGGACAUAGGG
PI-1702	hsa-miR-871	miR-871	UAUUCAGAUUAGUGCCAGUCAUG
PI-1703	hsa-miR-872	miR-872	AAGGUUACUUGUAGUUCAGG
PI-1704	hsa-miR-873	miR-873	GCAGGAACUUGUGAGUCUCCU
PI-1705	hsa-miR-874	miR-874	CUGCCCUGGCCCGAGGGACCGA
PI-1706	hsa-miR-875-5p	miR-875	UAUACCUCAGUUUAUCAGGUG
PI-1707	hsa-miR-875-3p	miR-875	CCUGGAAACACUGAGGUUGUG
PI-1708	hsa-miR-876-3p	miR-876	UGGUGGUUUACAAGUAAUUCA
PI-1709	hsa-miR-876-5p	miR-876	UGGAUUUCUUUGUGAAUCACCA
PI-1710	hsa-miR-877*	miR-877*	UCCUCUUCUCCUCCUCCAGG

PI-1711	hsa-miR-877	miR-877	GUAGAGGAGAUGGCGCAGGG
PI-1712	mmu-miR-878-5p	miR-878	UAUCUAGUUGGAUGUCAAGACA
PI-1713	mmu-miR-878-3p	miR-878	GCAUGACACCACACUGGGUAGA
PI-1714	mmu-miR-879	miR-879	AGAGGCUUUAJAGCUCUAAGCC
PI-1715	mmu-miR-880	miR-880	UACUCCAUCCUCUCUGAGUAGA
PI-1716	mmu-miR-881	miR-881	AACUGUGUCUUUUCUGAAUAGA
PI-1717	mmu-miR-882	miR-882	AGGAGAGAGUUAGCGCAUAGU
PI-1718	mmu-miR-883a-5p	miR-883	UGCUGAGAGAAGUAGCAGUUAC
PI-1719	mmu-miR-883b-5p	miR-883	UACUGAGAAUGGGUAGCAGUCA
PI-1720	mmu-miR-883a-3p	miR-883	U AACUGCAACAGCUCUCAGUAU
PI-1721	mmu-miR-883b-3p	miR-883	U AACUGCAACAUCUCUCAGUAU
PI-1722	hsa-miR-885-5p	miR-885	UCCAUUACACUACCCUGCCUCU
PI-1723	hsa-miR-885-3p	miR-885	AGGCAGCGGGGUGUAGUGGAUA
PI-1724	hsa-miR-886-3p	miR-886	CGCGGGUGCUUACUGACCCUU
PI-1725	hsa-miR-886-5p	miR-886	CGGGUCGGAGUUAGCUC AAGCGG
PI-1726	hsa-miR-887	miR-887	GUGAACGGGCGCCAUCCCGAGG
PI-1727	hsa-miR-888	miR-888	UACUCAAAAAGCUGUCAGUCA
PI-1728	hsa-miR-888*	miR-888*	GACUGACACCUCUUUGGGUGAA
PI-1729	hsa-miR-889	miR-889	UUAAUAUCGGACAACCAUUGU
PI-1730	hsa-miR-890	miR-890	UACUUGGAAAGGCAUCAGUUG
PI-1731	hsa-miR-891b	miR-891	UGCAACUJACCUGAGUCAUUGA
PI-1732	hsa-miR-891a	miR-891	UGCAACGAACCUGAGCCACUGA
PI-1733	hsa-miR-892b	miR-892	CACUGGCUCUUUCUGGGUAGA
PI-1734	hsa-miR-892a	miR-892	CACUGUGUCCUUUCUGCGUAG
PI-1735	hsa-miR-920	miR-920	GGGGAGCUGUGGAAGCAGUA
PI-1736	hsa-miR-921	miR-921	CUAGUGAGGGACAGAACCAGGAUUC
PI-1737	hsa-miR-922	miR-922	GCAGCAGAGAAUAGGACUACGUC
PI-1738	hsa-miR-923	miR-923	GUCAGCGGAGGAAAAGAAACU
PI-1739	hsa-miR-924	miR-924	AGAGUCUUGUGAUGUCUUGC
PI-1740	hsa-miR-933	miR-933	UGUGCGCAGGGAGACCUCUCCC
PI-1741	hsa-miR-934	miR-934	UGUCUACUACUGGAGACACUGG
PI-1742	hsa-miR-935	miR-935	CCAGUUACCGCUUCCGCUACCGC
PI-1743	hsa-miR-936	miR-936	ACAGUAGAGGGAGGAAUCGCAG
PI-1744	hsa-miR-937	miR-937	AUCCGCGCUCUGACUCUCUGCC
PI-1745	hsa-miR-938	miR-938	UGCCCUUAAAGGUGAACCAGU
PI-1746	hsa-miR-939	miR-939	UGGGGAGCUGAGGCUCUGGGGGUG
PI-1747	hsa-miR-940	miR-940	AAGGCAGGGCCCCCGCUCCCC
PI-1748	hsa-miR-941	miR-941	CACCCGGCUGUGUGACAUGUGC
PI-1749	hsa-miR-942	miR-942	UCUUCUCUGUUUUGGCCAUGUG
PI-1750	hsa-miR-943	miR-943	CUGACUGUUGCCGUCCUCCAG
PI-1751	hsa-miR-944	miR-944	AAAUUAUUGUACAUCGGAUGAG