

Structure of the libraries

Size of the libraries ~600 bp



Primer sequences for the library generation

oligo.name	sequence 5'-->3'
N701	CAAGCAGAAGACGGGCATACGAGATTTCGCTTAGTCTCGTGGGCTCGG
N702	CAAGCAGAAGACGGGCATACGAGATCTAGTACGGTCTCGTGGGCTCGG
N703	CAAGCAGAAGACGGGCATACGAGATTTCTGCCTGTCTCGTGGGCTCGG
N704	CAAGCAGAAGACGGGCATACGAGATGCTCAGGAGTCTCGTGGGCTCGG
N705	CAAGCAGAAGACGGGCATACGAGATAGGAGTCCGTCTCGTGGGCTCGG
N706	CAAGCAGAAGACGGGCATACGAGATCATGCCTAGTCTCGTGGGCTCGG
N707	CAAGCAGAAGACGGGCATACGAGATGTAGAGAGGTCTCGTGGGCTCGG
N708	CAAGCAGAAGACGGGCATACGAGATCCTCTCTGGTCTCGTGGGCTCGG
N709	CAAGCAGAAGACGGGCATACGAGATAGCGTAGCGTCTCGTGGGCTCGG
N710	CAAGCAGAAGACGGGCATACGAGATCAGCCTCGGTCTCGTGGGCTCGG
N711	CAAGCAGAAGACGGGCATACGAGATTGCCTCTTGTCTCGTGGGCTCGG
N712	CAAGCAGAAGACGGGCATACGAGATTCTCTACGTCTCGTGGGCTCGG
N714	CAAGCAGAAGACGGGCATACGAGATTCATGAGCGTCTCGTGGGCTCGG
N715	CAAGCAGAAGACGGGCATACGAGATCCTGAGATGTCTCGTGGGCTCGG
N716	CAAGCAGAAGACGGGCATACGAGATTAGCGAGTGTCTCGTGGGCTCGG
N718	CAAGCAGAAGACGGGCATACGAGATGTAGCTCCGTCTCGTGGGCTCGG
N719	CAAGCAGAAGACGGGCATACGAGATTACTACGCGTCTCGTGGGCTCGG
N720	CAAGCAGAAGACGGGCATACGAGATAGGCTCCGGTCTCGTGGGCTCGG
N721	CAAGCAGAAGACGGGCATACGAGATGCAGCGTAGTCTCGTGGGCTCGG
N722	CAAGCAGAAGACGGGCATACGAGATCTGCGCATGTCTCGTGGGCTCGG
N723	CAAGCAGAAGACGGGCATACGAGATGAGCGCTAGTCTCGTGGGCTCGG
N724	CAAGCAGAAGACGGGCATACGAGATCGCTCAGTGTCTCGTGGGCTCGG
N726	CAAGCAGAAGACGGGCATACGAGATGTCTTAGGGTCTCGTGGGCTCGG
N727	CAAGCAGAAGACGGGCATACGAGATACTGATCGGTCTCGTGGGCTCGG
N728	CAAGCAGAAGACGGGCATACGAGATAGTCACCTGTCTCGTGGGCTCGG
N729	CAAGCAGAAGACGGGCATACGAGATCGAGCGAAGTCTCGTGGGCTCGG
N730	CAAGCAGAAGACGGGCATACGAGATCGCGATGAGTCTCGTGGGCTCGG
N731	CAAGCAGAAGACGGGCATACGAGATAGCCGTTGGTCTCGTGGGCTCGG
N732	CAAGCAGAAGACGGGCATACGAGATGACAAGAAGTCTCGTGGGCTCGG
N733	CAAGCAGAAGACGGGCATACGAGATAAATAGGGTCTCGTGGGCTCGG
N734c	CAAGCAGAAGACGGGCATACGAGATACCCAGCAGTCTCGTGGGCTCGG
N735	CAAGCAGAAGACGGGCATACGAGATAACTGTGGGTCTCGTGGGCTCGG
N736	CAAGCAGAAGACGGGCATACGAGATGATAGCAAGTCTCGTGGGCTCGG
N737	CAAGCAGAAGACGGGCATACGAGATATCAAGTGGTCTCGTGGGCTCGG
N738	CAAGCAGAAGACGGGCATACGAGATCCGCTGAAGTCTCGTGGGCTCGG
N739	CAAGCAGAAGACGGGCATACGAGATCGCTTACTGTCTCGTGGGCTCGG

oligo.name	sequence 5'-->3'
S501	AATGATACGGCGACCACCGAGATCTACACTAGATCGCTCGTGGCAGCGTC
S502	AATGATACGGCGACCACCGAGATCTACACCTCTCTATTCGTCGGCAGCGTC
S503	AATGATACGGCGACCACCGAGATCTACACTATCCTCTTCGTCGGCAGCGTC
S504	AATGATACGGCGACCACCGAGATCTACACAGAGTAGATCGTCGGCAGCGTC
S505	AATGATACGGCGACCACCGAGATCTACACGTAAGGAGTCGTCGGCAGCGTC
S506	AATGATACGGCGACCACCGAGATCTACACACTGCATATCGTCGGCAGCGTC
S507	AATGATACGGCGACCACCGAGATCTACACAAGGAGTATCGTCGGCAGCGTC
S508	AATGATACGGCGACCACCGAGATCTACACCTAAGCCTTCGTCGGCAGCGTC
S509	AATGATACGGCGACCACCGAGATCTACACGGCTACTCTCGTCGGCAGCGTC
S510	AATGATACGGCGACCACCGAGATCTACACCCTCAGACTCGTCGGCAGCGTC
S511	AATGATACGGCGACCACCGAGATCTACACTCCTTACGTCTCGTCGGCAGCGTC
S512	AATGATACGGCGACCACCGAGATCTACACACGCGTGGTCGTCGGCAGCGTC
S513	AATGATACGGCGACCACCGAGATCTACACGGAACCTCCTCGTCGGCAGCGTC
S514	AATGATACGGCGACCACCGAGATCTACACTGGCCATGTCGTCGGCAGCGTC
S515	AATGATACGGCGACCACCGAGATCTACACGAGAGATTTTCGTCGGCAGCGTC
S516	AATGATACGGCGACCACCGAGATCTACACCGCGGTTATCGTCGGCAGCGTC
S517B	AATGATACGGCGACCACCGAGATCTACACGACCGCCATCGTCGGCAGCGTC
S518	AATGATACGGCGACCACCGAGATCTACACTAAGATGGTCGTCGGCAGCGTC
S519	AATGATACGGCGACCACCGAGATCTACACATTGACATTCGTCGGCAGCGTC
S520	AATGATACGGCGACCACCGAGATCTACACAGCCAACCTTCGTCGGCAGCGTC
S521	AATGATACGGCGACCACCGAGATCTACACTACTAGGTTTCGTCGGCAGCGTC
S522	AATGATACGGCGACCACCGAGATCTACACTCACGGTTTCGTCGGCAGCGTC
S523	AATGATACGGCGACCACCGAGATCTACACTGTAAATGATCGTCGGCAGCGTC
S524	AATGATACGGCGACCACCGAGATCTACACCACGTCAATCGTCGGCAGCGTC
S525	AATGATACGGCGACCACCGAGATCTACACCGTCTAATTCGTCGGCAGCGTC
S526	AATGATACGGCGACCACCGAGATCTACACTCTCTCCGTCTCGTCGGCAGCGTC
S527	AATGATACGGCGACCACCGAGATCTACACTCGACTAGTCGTCGGCAGCGTC
S528	AATGATACGGCGACCACCGAGATCTACACTTCTAGCTTCGTCGGCAGCGTC
S529	AATGATACGGCGACCACCGAGATCTACACCCTAGAGTTTCGTCGGCAGCGTC
S530	AATGATACGGCGACCACCGAGATCTACACGCGTAAGATCGTCGGCAGCGTC
S531	AATGATACGGCGACCACCGAGATCTACACCTATTAAGTCGTCGGCAGCGTC
S532	AATGATACGGCGACCACCGAGATCTACACAAGGCTATTCGTCGGCAGCGTC
S533	AATGATACGGCGACCACCGAGATCTACACTTATGCGATCGTCGGCAGCGTC
S534	AATGATACGGCGACCACCGAGATCTACACTGAACCTTTTCGTCGGCAGCGTC
S535	AATGATACGGCGACCACCGAGATCTACACTGCTAAGTTTCGTCGGCAGCGTC
S536	AATGATACGGCGACCACCGAGATCTACACTGTTCTCTTCGTCGGCAGCGTC
S537	AATGATACGGCGACCACCGAGATCTACACCTAATCGATCGTCGGCAGCGTC
S538	AATGATACGGCGACCACCGAGATCTACACTAAGTTCTCCTCGTCGGCAGCGTC
S539	AATGATACGGCGACCACCGAGATCTACACTAGACCTATCGTCGGCAGCGTC
S540	AATGATACGGCGACCACCGAGATCTACACGCCATTGATCGTCGGCAGCGTC

Plate 1		N701	N702	N703	N704	N705	N706	N707	N708	N709	N710	N711	N712
	S501	1	9	17	25	49	33	41	57	65	73	81	89
	S502	2	10	18	26	50	34	42	58	66	74	82	90
	S503	3	11	19	27	51	35	43	59	67	75	83	91
	S504	4	12	20	28	52	36	44	60	68	76	84	92
	S505	5	13	21	29	53	37	45	61	69	77	85	93
	S506	6	14	22	30	54	38	46	62	70	78	86	94
	S507	7	15	23	31	55	39	47	63	71	79	87	95
	S508	8	16	24	32	56	40	48	64	72	80	88	96
Plate 2		N714	N715	N716	N718	N719	N720	N721	N722	N723	N724	N726	N727
	S501	97	105	113	121	129	137	145	153	161	169	177	185
	S502	98	106	114	122	130	138	146	154	162	170	178	186
	S503	99	107	115	123	131	139	147	155	163	171	179	187
	S504	100	108	116	124	132	140	148	156	164	172	180	188
	S505	101	109	117	125	133	141	149	157	165	173	181	189
	S506	102	110	118	126	134	142	150	158	166	174	182	190
	S507	103	111	119	127	135	143	151	159	167	175	183	191
	S508	104	112	120	128	136	144	152	160	168	176	184	192
Plate 3		N701	N702	N703	N704	N705	N706	N707	N708	N709	N710	N711	N712
	S509	193	201	209	217	225	233	241	249	257	265	273	281
	S510	194	202	210	218	226	234	242	250	258	266	274	282
	S511	195	203	211	219	227	235	243	251	259	267	275	283
	S512	196	204	212	220	228	236	244	252	260	268	276	284
	S513	197	205	213	221	229	237	245	253	261	269	277	285
	S514	198	206	214	222	230	238	246	254	262	270	278	286
	S515	199	207	215	223	231	239	247	255	263	271	279	287
	S516	200	208	216	224	232	240	248	256	264	272	280	288
Plate 4		N714	N715	N716	N718	N719	N720	N721	N722	N723	N724	N726	N727
	S509	289	297	305	313	321	329	337	345	353	361	369	377
	S510	290	298	306	314	322	330	338	346	354	362	370	378
	S511	291	299	307	315	323	331	339	347	355	363	371	379
	S512	292	300	308	316	324	332	340	348	356	364	372	380
	S513	293	301	309	317	325	333	341	349	357	365	373	381
	S514	294	302	310	318	326	334	342	350	358	366	374	382
	S515	295	303	311	319	327	335	343	351	359	367	375	383
	S516	296	304	312	320	328	336	344	352	360	368	376	384

Plate 5		N701	N702	N703	N704	N705	N706	N707	N708	N709	N710	N711	N712
	S517B	385	393	401	409	417	425	433	441	449	457	465	473
	S518	386	394	402	410	418	426	434	442	450	458	466	474
	S519	387	395	403	411	419	427	435	443	451	459	467	475
	S520	388	396	404	412	420	428	436	444	452	460	468	476
	S521	389	397	405	413	421	429	437	445	453	461	469	477
	S522	390	398	406	414	422	430	438	446	454	462	470	478
	S523	391	399	407	415	423	431	439	447	455	463	471	479
	S524	392	400	408	416	424	432	440	448	456	464	472	480
Plate 6		N714	N715	N716	N718	N719	N720	N721	N722	N723	N724	N726	N727
	S517B	481	489	497	505	513	521	529	537	545	553	561	569
	S518	482	490	498	506	514	522	530	538	546	554	562	570
	S519	483	491	499	507	515	523	531	539	547	555	563	571
	S520	484	492	500	508	516	524	532	540	548	556	564	572
	S521	485	493	501	509	517	525	533	541	549	557	565	573
	S522	486	494	502	510	518	526	534	542	550	558	566	574
	S523	487	495	503	511	519	527	535	543	551	559	567	575
	S524	488	496	504	512	520	528	536	544	552	560	568	576
Plate 7		N701	N702	N703	N704	N705	N706	N707	N708	N709	N710	N711	N712
	S525	577	585	593	601	609	617	625	633	641	649	657	665
	S526	578	586	594	602	610	618	626	634	642	650	658	666
	S527	579	587	595	603	611	619	627	635	643	651	659	667
	S528	580	588	596	604	612	620	628	636	644	652	660	668
	S529	581	589	597	605	613	621	629	637	645	653	661	669
	S530	582	590	598	606	614	622	630	638	646	654	662	670
	S531	583	591	599	607	615	623	631	639	647	655	663	671
	S532	584	592	600	608	616	624	632	640	648	656	664	672
Plate 8		N714	N715	N716	N718	N719	N720	N721	N722	N723	N724	N726	N727
	S525	673	681	689	697	705	713	721	729	737	745	753	761
	S526	674	682	690	698	706	714	722	730	738	746	754	762
	S527	675	683	691	699	707	715	723	731	739	747	755	763
	S528	676	684	692	700	708	716	724	732	740	748	756	764
	S529	677	685	693	701	709	717	725	733	741	749	757	765
	S530	678	686	694	702	710	718	726	734	742	750	758	766
	S531	679	687	695	703	711	719	727	735	743	751	759	767
	S532	680	688	696	704	712	720	728	736	744	752	760	768

Plate 9		N701	N702	N703	N704	N705	N706	N707	N708	N709	N710	N711	N712	Plate 13		N728	N729	N730	N731	N732	N733	N734c	N735	N736	N737	N738	N739
	S533	769	777	785	793	801	809	817	825	833	841	849	857		S517B	1153	1161	1169	1177	1185	1193	1201	1209	1217	1225	1233	1241
	S534	770	778	786	794	802	810	818	826	834	842	850	858		S518	1154	1162	1170	1178	1186	1194	1202	1210	1218	1226	1234	1242
	S535	771	779	787	795	803	811	819	827	835	843	851	859		S519	1155	1163	1171	1179	1187	1195	1203	1211	1219	1227	1235	1243
	S536	772	780	788	796	804	812	820	828	836	844	852	860		S520	1156	1164	1172	1180	1188	1196	1204	1212	1220	1228	1236	1244
	S537	773	781	789	797	805	813	821	829	837	845	853	861		S521	1157	1165	1173	1181	1189	1197	1205	1213	1221	1229	1237	1245
	S538	774	782	790	798	806	814	822	830	838	846	854	862		S522	1158	1166	1174	1182	1190	1198	1206	1214	1222	1230	1238	1246
	S539	775	783	791	799	807	815	823	831	839	847	855	863		S523	1159	1167	1175	1183	1191	1199	1207	1215	1223	1231	1239	1247
	S540	776	784	792	800	808	816	824	832	840	848	856	864		S524	1160	1168	1176	1184	1192	1200	1208	1216	1224	1232	1240	1248
Plate 10		N714	N715	N716	N718	N719	N720	N721	N722	N723	N724	N726	N727	Plate 14		N728	N729	N730	N731	N732	N733	N734c	N735	N736	N737	N738	N739
	S533	865	873	881	889	897	905	913	921	929	937	945	953		S525	1249	1257	1265	1273	1281	1289	1297	1305	1313	1321	1329	1337
	S534	866	874	882	890	898	906	914	922	930	938	946	954		S526	1250	1258	1266	1274	1282	1290	1298	1306	1314	1322	1330	1338
	S535	867	875	883	891	899	907	915	923	931	939	947	955		S527	1251	1259	1267	1275	1283	1291	1299	1307	1315	1323	1331	1339
	S536	868	876	884	892	900	908	916	924	932	940	948	956		S528	1252	1260	1268	1276	1284	1292	1300	1308	1316	1324	1332	1340
	S537	869	877	885	893	901	909	917	925	933	941	949	957		S529	1253	1261	1269	1277	1285	1293	1301	1309	1317	1325	1333	1341
	S538	870	878	886	894	902	910	918	926	934	942	950	958		S530	1254	1262	1270	1278	1286	1294	1302	1310	1318	1326	1334	1342
	S539	871	879	887	895	903	911	919	927	935	943	951	959		S531	1255	1263	1271	1279	1287	1295	1303	1311	1319	1327	1335	1343
	S540	872	880	888	896	904	912	920	928	936	944	952	960		S532	1256	1264	1272	1280	1288	1296	1304	1312	1320	1328	1336	1344
Plate 11		N728	N729	N730	N731	N732	N733	N734c	N735	N736	N737	N738	N739	Plate 15		N728	N729	N730	N731	N732	N733	N734c	N735	N736	N737	N738	N739
	S501	961	969	977	985	993	1001	1009	1017	1025	1033	1041	1049		S533	1345	1353	1361	1369	1377	1385	1393	1401	1409	1417	1425	1433
	S502	962	970	978	986	994	1002	1010	1018	1026	1034	1042	1050		S534	1346	1354	1362	1370	1378	1386	1394	1402	1410	1418	1426	1434
	S503	963	971	979	987	995	1003	1011	1019	1027	1035	1043	1051		S535	1347	1355	1363	1371	1379	1387	1395	1403	1411	1419	1427	1435
	S504	964	972	980	988	996	1004	1012	1020	1028	1036	1044	1052		S536	1348	1356	1364	1372	1380	1388	1396	1404	1412	1420	1428	1436
	S505	965	973	981	989	997	1005	1013	1021	1029	1037	1045	1053		S537	1349	1357	1365	1373	1381	1389	1397	1405	1413	1421	1429	1437
	S506	966	974	982	990	998	1006	1014	1022	1030	1038	1046	1054		S538	1350	1358	1366	1374	1382	1390	1398	1406	1414	1422	1430	1438
	S507	967	975	983	991	999	1007	1015	1023	1031	1039	1047	1055		S539	1351	1359	1367	1375	1383	1391	1399	1407	1415	1423	1431	1439
	S508	968	976	984	992	1000	1008	1016	1024	1032	1040	1048	1056		S540	1352	1360	1368	1376	1384	1392	1400	1408	1416	1424	1432	1440
Plate 12		N728	N729	N730	N731	N732	N733	N734c	N735	N736	N737	N738	N739														
	S509	1057	1065	1073	1081	1089	1097	1105	1113	1121	1129	1137	1145														
	S510	1058	1066	1074	1082	1090	1098	1106	1114	1122	1130	1138	1146														
	S511	1059	1067	1075	1083	1091	1099	1107	1115	1123	1131	1139	1147														
	S512	1060	1068	1076	1084	1092	1100	1108	1116	1124	1132	1140	1148														
	S513	1061	1069	1077	1085	1093	1101	1109	1117	1125	1133	1141	1149														
	S514	1062	1070	1078	1086	1094	1102	1110	1118	1126	1134	1142	1150														
	S515	1063	1071	1079	1087	1095	1103	1111	1119	1127	1135	1143	1151														
S516	1064	1072	1080	1088	1096	1104	1112	1120	1128	1136	1144	1152															