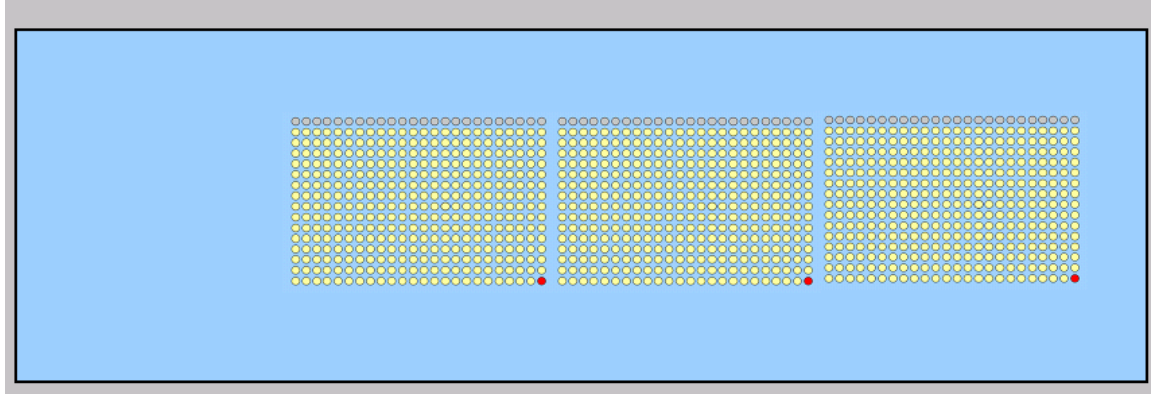


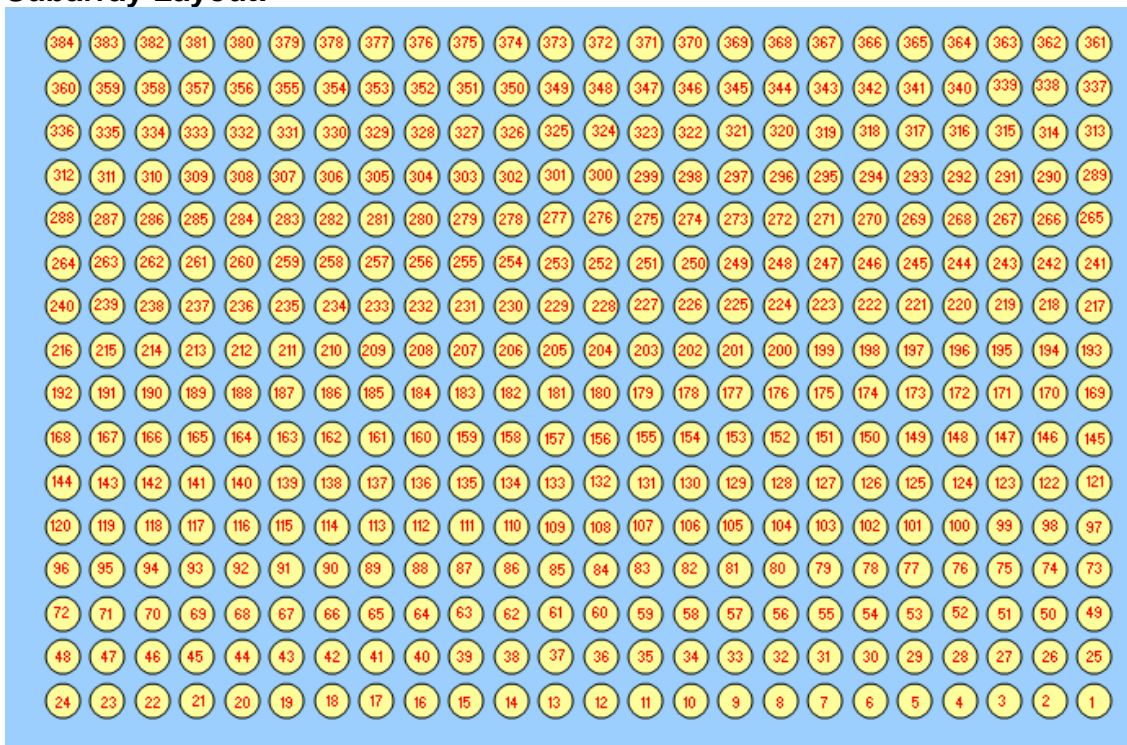
Random Library Serine

Microarray Layout:

For quality control three identical subarrays are printed to each microarray (RLS_A, RLS_B, RLS_C, RLS_D).



Subarray Layout:



Sequence Information RLS_A

1.	VFSVLASNSMKDA	51.	WMRIFVSEGHTQL
2.	TGQAWHSSTQTDH	52.	TYLHYLSQVNAQR
3.	LHGIVESGRRPI	53.	TIHGNI SNLHKHR
4.	YMLMIISGNLNAM	54.	EWRDKASHMWDDP
5.	MWMNALSTRPMAY	55.	KMMMGGSLVFYLV
6.	AGPMMYSNMSIWR	56.	WFDDKASFYWIYY
7.	DMTNMHS LWDEWK	57.	LMLPEQSPVAQVL
8.	WLMRFGSDYIDWH	58.	GTDNLPSNRLTFQ
9.	ILSYKGSEKFKYKV	59.	TGAMVHSYDDQDK
10.	KWTNAPSTSSSTK	60.	IDQIDHSMDSYK
11.	WARNSVSYAWQHK	61.	AGGVGVSVMVMDVM
12.	RTWKMTSAQKRAE	62.	IIDTWS SRHQRAY
13.	KSDFRDSPVHPTG	63.	MEAF TPSEMMIRK
14.	ETGMPHSMFNHWH	64.	DSNMWWSEMSLGG
15.	GETLGHSMTFRIG	65.	VWRTAMSMMDKMP
16.	AAFHWDSYAKKYY	66.	MLRKNGSFQWSYN
17.	LRRVRSSHAGTSP	67.	ELDLRISLDAQAI
18.	VIQTTISFSLGYA	68.	PKWAAGSYAMWVM
19.	HHNPMRSPMNAIP	69.	DHGKSRSDKELEF
20.	KKRHRHSQYQNLK	70.	VYGQRWSPHIQSP
21.	TVQWILSDIYNQS	71.	DGLWNDSSWAYFH
22.	HAQFFYSGEMTKI	72.	VRIAEVSNWELPD
23.	EDTVHKSRPIEIL	73.	FPTYMKSEQETGQ
24.	RKRTF PSGNMHHD	74.	DYEQWASLTHKLR
25.	DQFFHRSGAWGVS	75.	IAHLYYSMNGMIH
26.	GDLSLHSPQRPKF	76.	MNKPIASNEPTTD
27.	WYDSYASLYLAIF	77.	LEPGGRSKNLAIQ
28.	AAFRIYSGINFGP	78.	IWSWFYSQEKWMR
29.	FMASHMSQLGRNH	79.	KTVSKWSEMWDMY
30.	INHTYYSMFHNTF	80.	YGPPISSAFYYMY
31.	KKASNLSHEGKIV	81.	DERYHHSNTFGDS
32.	M LLETESDGFPNH	82.	GTINGESSKRQGV
33.	HYRWSASYVPGNA	83.	PPSPV SIGLSFM
34.	STVELYSRLHFSA	84.	GAQWINSHNMHAV
35.	NDEIQASQGHRYQ	85.	RNQHFKSGIRANQ
36.	FLWKGTSVLIIVQ	86.	IVDRRLSMEAHVV
37.	GFSSHMSGPLGAN	87.	IWWFFLSNKQYMY
38.	PPTNHESAKTMSS	88.	YQAADTSWLKHNR
39.	WGWLWHSKWWAHF	89.	YTFEKYSVVDIYV
40.	MPQSSPSKHETLD	90.	YVKQGS SMKKDMY
41.	RMPDNL SHLRLLQ	91.	KQFTIESEYAPGI
42.	WSEEAISIMKGWE	92.	DMFDMGSYWWLAS
43.	IWSSVHSGIGGLD	93.	PVVVSI SVIVESW
44.	FDWTDLSHAYVPK	94.	LETMSAS MFFQKG
45.	DKLGNPSPYNLWM	95.	PIDGEFSPTINRA
46.	DRNEVKSWGMDSK	96.	QDYEYPSINEPWF
47.	HYKQPPSVPWIME	97.	EPGAWQSYFQLWP
48.	RNLDSPSPYGIMW	98.	FGIPTYSTYPNWP
49.	HQPYATSQGSPTF	99.	ESSQNY SAPSGNQ
50.	SYRYHMSVAPMLF	100.	HHVFTSSH HKVTE

101. DGESHESEFYTQM
102. PDDIRHSADIQDK
103. IVQFYISRQRQTG
104. FTTKIDSNPWEPV
105. ALGMARSYMNTSS
106. RVGDDSSDHGQGA
107. GMGFMSLQLDRQ
108. ATMRPLSFLHHNK
109. LFMAHISKTKMKD
110. KDRMTKSLTEYVF
111. WLDNHSSQAAWPA
112. NKYDASSIYFMMD
113. IYRYVISQYIPKA
114. LLKGMFSIYAPPQ
115. SMDRIDSDINLAH
116. TNALQVSTSTQND
117. WHPFNASLPKMHS
118. VAILEISQKKPLD
119. FLEGVNSPFSFRG
120. ESVLLVSANIDDS
121. PSQNVVSHQHMEG
122. GWFFIFSTIFETQ
123. NKYMKMSDTNQHV
124. GTKEYYSMQHSRW
125. EQYRAFSTSTHDE
126. TMPNMRSSGNTKP
127. NYKVNHSNPNIPT
128. SIPWKGSMIDTSA
129. RGNVWASMDRNGM
130. YIEGHKSGMVTSY
131. ESFWSASGDMIMQ
132. FLHKHHSLLYAMN
133. YYADMHSMHRSLP
134. TPYNERSSHSDAG
135. AAD EYMSLQYQKD
136. PDIKSPSHLKALK
137. ENVYADSWTMRLI
138. YLHSKPSPDTKKE
139. YRAMTVSYSIRED
140. HKYTQKSGFTMFK
141. EIYRVTSFKVLNE
142. HVHGPTSPSYGFP
143. IMAAEQSGYDMAG
144. HLYTMFSAFDNYI
145. LTNLDQSTGMKWG
146. DFKLTGSHTALGE
147. SYENYLSTIWMDI
148. TINKSFHVREEY
149. NKVHKKSHQWGHM
150. NMDSEASWGISRG
151. NPWKSKSNLRLAL
152. PRQRDFSPIGPHG

153. TSYDMPSSGLDPA
154. IAHGDPSTKFTNS
155. REWDPGSSVEELD
156. AIRFANSGMNIGN
157. KQEFFVSPGMFYR
158. YAPRALSRIHRAS
159. HQSGEGSIEFWID
160. MEQQFVSQWNMPH
161. PPPNEYSEFTRPM
162. IHVAFSSVGTGDH
163. SAGDFASNPIAST
164. AKEAKYSIHIGKA
165. DGSTRHSEKSMML
166. ELSMSGSYKHAQS
167. QHAAIDSVFGHYK
168. HHPHHFSRQILQL
169. LPSYTGSIYHPSNN
170. MPGIFHSHNIEGA
171. SEDPKESRQAKQE
172. MYNPNHSDHTPLP
173. SLPVPISDPESIM
174. MDHSLDSNIVPHS
175. SRQLEKSYRFYWK
176. SWPSALSPKSFTY
177. HYIYQISFAFWMS
178. KFAHERSAPHDIQ
179. HIYPKASLTPGGL
180. WRTWPWSSWMIVV
181. HWTTPGSRKFSSG
182. HQVITYSLPHILM
183. RPPVVVSLNLPHE
184. TWWPATSSQLIIH
185. SIRLLPSLWEGID
186. FKMRKESMQRKLI
187. FGPFFVSTTEIRQ
188. YAQFGYSWHGADQ
189. TAEQEMSTVSHHG
190. PIKLMFSWGNMWE
191. IGDAGHSARQKDQ
192. KAQHDWSGSTQWP
193. FNIHKASHDDWVF
194. YVMITSSEQVPPV
195. WPVADKSSMNIKK
196. SNGETASTGLFFH
197. HGAVMNSYVRNHI
198. YMGYSPSPMQYTQ
199. WYFTQYSFSKVFR
200. RSSVPRSLRHDFE
201. LVTLRWSSAGVYF
202. MQYWNVSNHMITA
203. GEMFKDSLRRGGPY
204. GKQENSSHSDIKH

205. KYDRLF SRRTVHN
206. HPGDGG SQVDMKN
207. QEWIKD SHKGAMP
208. KAIPSY SIRRTR
209. QILIAA SKPEKFH
210. QTTKPI STWPIMY
211. NYNNLS PKLFFH
212. HLLGYH SFWYVRT
213. SAFEMPS AHYHFH
214. VSETMY SKWHAFQ
215. TAIDVRS VEMNSW
216. IPQEPASS LDAAA
217. ASVYLG SWSGLRW
218. QWYWDK SFWWWHT
219. MKWGRNS KYRWDW
220. KAKQGF SFRRDAH
221. ELEIAA SIHVLQD
222. WRRFEF SMAIGFH
223. SDADERS YQWFFE
224. DIVWEK SVEYGPQ
225. YTFEGK SIGETDK
226. ETSFMH SGP IKND
227. SMFFFFM SELQNTM
228. MSFFAI SFHGKGL
229. FTWQIF SEVQHVH
230. SNIYHR SNWSRQY
231. KFEGLE SGRIYWK
232. GPVWIH SADPKVI
233. METKHF SRVTGSG
234. WNQFLR SHRLIEW
235. VYGRMR SFRKCLKQ
236. SMGWKL STHKMMG
237. VGAESK SRLNRWT
238. GIHHFV SWIVNLV
239. PFPGDMS LATYLT
240. DQPEGR SSHLLGP
241. KKSNTI SQMRHAF
242. LHVVHAS RVLETW
243. VIPEIV SKHQYNP
244. ANRAWNS VQYATK
245. QRYHNP SPKIEAN
246. TKPDNV SKLEHMG
247. FWMHQL SYRFPVP
248. LYNFYLS ILPHEY
249. EFDGIQ SPHDNLE
250. GIYVYI SMLTSFE
251. YAYQAG SFLDKWF
252. VVTRVLS MDQMLR
253. NKMVFES GRNWKA
254. IRYFGQ SLNLWEV
255. YKKGVS QSSDINWL
256. SAFKPD SIDMVKT

257. KVYQYI SDGNKWK
258. PAFPEG SFPMEPS
259. ENVIVAS NQDQWN
260. ISGNYM SPQDMTK
261. HGKADL STEFTVI
262. GIQHMY SNGPLDD
263. VDLVDH SVISNMD
264. AHASSK SHEVLYS
265. VKWQAY SLDVSMQ
266. GYHYGL SDGQLHW
267. FGLDYN SRATWDM
268. PHLTAQ SWKAGVE
269. MQPTLK SIVDYDA
270. WVIYRH SQEKFLH
271. LPVAVY SQVPEYW
272. AVDGTYS EDHYTY
273. RTDMHQ SPHKFGT
274. EPMVLN SPWNRNQ
275. GTKYHT SPMTMPT
276. VEAGWI SMGFMQL
277. YKHIQF SMNDNGL
278. KRTYED SRFFPIG
279. WMPVAH SSENTMG
280. TYQQDG SENFNLR
281. FWEWVG SYAPDVV
282. PIKEAT SDMKHFK
283. GYMTKG SEWDKWN
284. NHQQQA SHFTWQH
285. FKGQKE SQHMFWA
286. YSDQSW SGDDPKI
287. AKLATE SHKTFDE
288. VGPLFA SMENINW
289. SRDLEK SVLSRMI
290. EMMDEN SWGRRMF
291. QFTKTP SVQQHMN
292. HETLVH SGLMNNE
293. VHTAYG SGWPRQV
294. AFIDYH SVNIRPD
295. EQQAYN SWTGRND
296. HTYIWL SGGVAEA
297. SDIAAP SPKERNK
298. WFRDGS SVTDMSI
299. LIWGNR SNIRPIW
300. QAQLVE SWLHKVD
301. GWKISV SIIIDVR
302. YFEILG SNNNPEY
303. TRPALL SHWSIID
304. MIAKEQ SQSRHSR
305. SQFYTQ SKKMGAN
306. QWEAQD SVPKEIA
307. KFHTIY SEQTWYH
308. KRMFNW SWPGAYI

309. NGAIVR SWSFAFQ
310. MNDKIMSFVYRQT
311. PKPNTSSRGRQWA
312. GMAINKSHHWIQW
313. HKTAKVSHGIDSR
314. VAAVTYSRWLTIP
315. GYDNRKSIEDTRN
316. MPIPQSSGWSGMK
317. KKIDSMSYFLRDL
318. HHTQMYSDVPDSE
319. YMEDHTSIINMWT
320. TPADTISPREDPK
321. YWETHASDRDYIY
322. GLNPLGSIGDFDR
323. FVKMWQSKRFPQV
324. YPKNVMSPWKSYW
325. APPIHRSHPRDAG
326. RILGGDSNISLQS
327. DDGEWASNWVLLF
328. YPARMISFGRDIH
329. GRFPHTSSRDHVI
330. STRVMYSSIEVYH
331. GHNVDVSLVTKHN
332. THPGFDSWFATNR
333. ARTFSRSMVKEMA
334. TINIKVSLNEMGW
335. LMVTPESMAQRYK
336. HADHAFSQOHERL
337. AHFQKTSTPTVHY
338. NEKRHESIWKELI
339. LAPPVHSNGDQHA
340. RWFYKYSRQYEPF
341. SIIMFSSARMQLK
342. IGLAAESWTEEQE
343. RDVAELSRRVFHH
344. VWKRTSSHDKTFS
345. YNHQRNSASKDEK
346. SMTLSWSAFFTQQ

347. NGGRIFSYDFHID
348. HQSMQKSEDWQQM
349. WLEWSTSHPFMVI
350. NANMNRSRNHWNQ
351. TVNYDRSESSEYE
352. IAQGTPSDEHHDQ
353. VSYTNE SMSLMKM
354. EDRLSLSASPTVI
355. SRHVFESNAWVQR
356. WYNYETSRDVWKA
357. YQYIYSSPRIHIE
358. WFATFGSRQIPRI
359. TKMRHGSNEYYYG
360. HGAMWVSHYKNKK
361. SGSHHESVNHPMV
362. LQATMQSQRSFYI
363. FEYYMESIPNPGS
364. GGTKSYSKYFYWT
365. DKQSPQSEWYKAQ
366. GLLFSYSPVWQMW
367. PIEFLPSQSAPAI
368. DQFSHFSLDEATE
369. GHKLAVSRAAAGA
370. VWPQEHSEGYAEM
371. NFQGKPSMISPYF
372. AMFNHNSYTAQEL
373. LVGRTWSPFLING
374. QPPRLVSWSYNRE
375. TTFTVMSFSIFRI
376. INDMIPSNHWSAP
377. WNMANQSGDWGNR
378. KAFHEDSLDDEEF
379. NRAGEYSLKIAAK
380. RMKAAYSFLTYSF
381. NKEGMRSLNLPSI
382. IYAGPFSIKDFKE
383. RPNWDTSGLRIEA
384. YLMEDWSNKHMKQ

Sequence Information RLS_B

1.	QSTLIASWNFKSL	51.	VSRAEKSSDWKFL
2.	VNPYNHSDSNFIQ	52.	NRSMPHSYMDEPY
3.	MRLALGSIGLLFK	53.	VWATKWSGDGFNKM
4.	ILIWGNSHTPATQ	54.	DEAWSKSGALATV
5.	GNVGHGSYYMQKA	55.	YLWIAFSYSDRQH
6.	YRGKWKSWPITMF	56.	KIWRAYSDGKIWI
7.	WQKMNQSETIRTK	57.	EHYLWASMFKFHN
8.	NVSMASWSPFLHPT	58.	WDYKPRSIAKENR
9.	KNIQNTSEMIRTQ	59.	SELNDGSPSNKSN
10.	RMSYRLSPLQPSQ	60.	SGTGIPSMFAQMT
11.	EHAPLNSQHMRSD	61.	TPSVPESSYVTGN
12.	WDSMLMSYNFHLA	62.	TTEDYPSTSRSQQ
13.	QQKVEESSDWIMM	63.	PTKIKWSPNAEVM
14.	AFPPEISEGEIMA	64.	TAVIEHSRDIMSM
15.	TNEYIGSYHNWGF	65.	QQNKWKSPLYDGGT
16.	SKYYMWSDFWSTT	66.	QPDEWGS DHRELD
17.	WIVNESSRWF FDE	67.	NLAIYPSPPWMVT
18.	YAWDVGSITSRRS	68.	KQWSQQSPAMWTK
19.	GAHFQASAKWAQF	69.	KRLDIRSIKIGQS
20.	DRRDWRSMQQSMV	70.	QIPLPLSVYMNDP
21.	LQIPWMSEFADKD	71.	FKTQWNSWTAGIE
22.	HMERADSVRGWTT	72.	PMINEASNAHTNV
23.	KFKESPLSIDLT	73.	TKYKPPSTLIMHM
24.	GWKRVHSPIFWIL	74.	KAIDAKSMGKLYH
25.	GHRNSV SIDVYVY	75.	WDGSWTS GFIMDL
26.	GMIPPHSYVDFYL	76.	KKVKYFSWTGQIV
27.	TLNYSTSFKSAFD	77.	QFDRIPSSRHQRW
28.	MGEPHSSLGFHQN	78.	TTKEPNSFIGLDK
29.	KAFWNTSINDNQS	79.	IEINQPSKIKYYY
30.	AEWEGGSTHESPW	80.	ITKSGRSNRMQTN
31.	EQKANN SNHDWSN	81.	HAVMTWSYRIDYF
32.	HMSESWSDTLHIG	82.	LMLKPGSQGF IKP
33.	WSWISSSKDSAHL	83.	LTSFVKSN TIFQY
34.	IITIEKSMQEITG	84.	NQHLMTSYAIRKD
35.	HKAPWKSTWKLNT	85.	FMMEEQSGFFDIH
36.	MPFQNSVQNILT	86.	MVWVGDSITEPAQ
37.	THWVKHSHWDSKD	87.	RITLYPSFVGTNA
38.	APFRDMSRDDYFE	88.	EAHSGDSTKFSPE
39.	QEHRSTSKRPYTF	89.	QYGPASSRETHMG
40.	QADHTSSHIMWVQ	90.	SIMLHNSFWGHSE
41.	GHSKWK SAMYRLT	91.	ELQDRGSAEQGMI
42.	AHTTATSGWTYRH	92.	FVDEVRSRWDEAE
43.	FMSTQWSVTARML	93.	PFKVAFSMFDNRI
44.	QALQPMSAFAETF	94.	AIGIHHSDEDFGE
45.	ADSWQQSTHWQHG	95.	RLVQMNSAYMTDK
46.	LPHQLNSKILVEL	96.	LFNERRSGNQVSV
47.	WETAMISSNWYTS	97.	IGWSVGSYFPMNQ
48.	YSTR LQSI PKQLH	98.	WVIRNVSVIWPAD
49.	NHGSHVSTQH MVV	99.	EFKNRASFAWVLS
50.	WTRTIYSTYWHSA	100.	HGKIRMSHGMNLV

101. EVPEMPSFTGSPM
102. NNELDFSREKAMD
103. PAPDQFSAWTSVA
104. FKYQGESHQEYEL
105. FWRLPSSHGTAPM
106. ADAFYLSMPFMPL
107. VLPYPSSRVKAWI
108. FKGAFTSHFAVWE
109. VIRGKMSWVHPI
110. MWRAPWSRHGRMY
111. GMDGMPSKLNFR
112. LMKKFESSKVLLN
113. APEHRMSRDFGLN
114. LAKKAYSPWAPQD
115. HWLDFVSYQGEDA
116. EDHAKNSLMRNLP
117. FHKQNASGMIDIL
118. EENYSYSMPLAWA
119. NKAANFSATGDYS
120. QMYQWWSQWLYVH
121. DPGLKPSNQHYSI
122. PKASILSWWEYGR
123. SSFQEMSVTGQML
124. AKLMDNSIPYLYV
125. RRRYDGSGRQKYK
126. NGGKLMSAYDWTK
127. MYGLNPSHGYRKP
128. SMEQSRSATDRIM
129. IGHMSKSAWWHTD
130. NMWPSNSKVFVSV
131. TAYGGVSNMYYWK
132. DRIHYMSVWLWQH
133. VSPAPASRTTINT
134. NETKYISDRQMTD
135. KRHHHESISIDQR
136. FLGHLLSFSPAMF
137. LLHTKGSKSPENH
138. RRKIEISEYVPIE
139. KNIWSLSSEWGLA
140. TKHRRPSMCKYNL
141. VYATMKSNTYFN
142. MNILWPSNLFMIP
143. RKLMDLSDIWMNH
144. FDLKLYSSATKKK
145. VAWGPFSHHSMAS
146. WPPIHTSDKDNAI
147. QEVFLYSHQRYWA
148. EKSNMRSASVMKN
149. SNTVPVSIHYSYS
150. GDTDDNSYEPTAM
151. IMRSGQSWSWTAF
152. YLNDNDSTVLAEW

153. VWPEADSSSLPMED
154. HWLDERSIVGHIQ
155. GDFMTNSARPPQP
156. SNMWVHSYKYELH
157. INERKNSIEPIGH
158. LWRESASSGHPME
159. NKRRPYSDPQFSE
160. EQIQDLSGYMYNE
161. AEVGMQSNMIDEQ
162. EWNNHASNNVRET
163. IVSANRSRVPHGM
164. YMKYAQSLKYRPA
165. ENFLGLSYSFPPQ
166. TWARLLSDWTKHH
167. RWYNAWSGQOELG
168. PENQEASMTNYE
169. KLKIWWSFNMLSQ
170. MYVDWWSQIIAFD
171. NNSLATSARNHWHG
172. LHPQLKSHYYSWS
173. YFGNWPMSFLMWW
174. KRLTNSSQFKHYK
175. KHNQGISIQSGPF
176. TQLINVSNAILAY
177. IRFIPVSFYHFEP
178. GEYRMPSEMDWVF
179. LILTETSAVTSSG
180. VKEQAHSMTSIPD
181. DWRHWPSSEDSWKT
182. KTFGESSYDRGKF
183. RWVGEQSQTSLWT
184. WFYWVMSWLAKRS
185. HFKLDRSWQNEAL
186. QWPDEESDVQPQI
187. VRRWILSYILNIK
188. FDMIWFSGLEVDL
189. HTRKNESTMMQNG
190. ESTVQESDGVRIY
191. VMHQVGSDDHTWE
192. GHKYMPSDHWHQV
193. GNQRGSSRGFMQM
194. NFQQMQSKHTFKW
195. RHMLYPSIQIYTS
196. VRDIPMSYIWISM
197. YEENPNSMMTWAF
198. FWFVAFVSDMTMQF
199. NFIMPMSAVQLMA
200. QYDFDDSHMYSKP
201. MFDFVESKREDEV
202. SHGAGHSDDMHRW
203. STQWIPSKVDPPW
204. IQHVPESNVKIGA

205. NDRDKMSSITSSM
206. LNAANFSFPPEAQ
207. MYRSWSSRQIESW
208. NWHIHFSGPPRRV
209. GEFNLHSGGERWF
210. WYRQFQSTWDAER
211. QSGHFKSWQLERY
212. WIVHFLSEDPKFD
213. MNYNQASPVNWDT
214. MVESEQSWIHWNW
215. SDTDYWSEKFGIM
216. FRYMRKSRWLWSH
217. PDWKAI SVKIFDL
218. HMQTKVSSLMIFF
219. RDGKNTSQKAKTG
220. VSLENI SFNIQRF
221. QIYAKVSGHHAWR
222. DSQMGQSLLEKMW
223. RSSSMQSQMLNNA
224. MPMPEF SHQGMDY
225. VFHRTY SPQTTNF
226. QKKMGLSMRITAL
227. WNFAAASQDLPPS
228. KVLGANSWKMRWI
229. QPEQGLSYVDLRF
230. QLFYHKS VWQDYE
231. YEMIQASEDRDYN
232. PMDYWHSGADPTQ
233. KANKNGSMDTHPS
234. HITYYWSIHA FEE
235. KEPIQMSLLMQNV
236. GTKVEYSIHP IVL
237. GGTWMMSTMWRFT
238. NPTGWLSAGGGWV
239. GLGIPISAWYMGA
240. QQFFMESEWFPIW
241. DRLPGASEDISFE
242. KDIYWSSWDGPPE
243. IMDHQYSANNDFI
244. TISFWYSEPYAVM
245. HLRMMISQGFHNW
246. WDKWQESWYWNGF
247. WWPVQISSFKGGN
248. HAWPGQSKDGRVA
249. FLALENSYYHYHG
250. EERSYFSDVEQPT
251. HWVEMASFP AEHA
252. KALFVSSSIMWR
253. YLQVHSSTYLTYN
254. YTETKLSIRQQQG
255. PNDEELSLVIMAF
256. THIQKGS PNM SRN

257. IREWQRSGPSPAR
258. KSWPAPSPKDAFK
259. IQEYNESFTKTLK
260. SEAGFKSWQNNAL
261. ASYTEVVSQDGAHQ
262. LHAAWESKVLQTL
263. LPGQQNSTGNGYF
264. PETWGKSFSYPPS
265. WKHSSYSKHTLPV
266. TPWANMSGMQLQT
267. QKWLSVSARTMAM
268. NPLDLPSTRAPMA
269. VNSSSMSQYFARD
270. VYQNIQSVWGEIY
271. PMSRNQSDAKQHL
272. GGRYPSSTQTRFP
273. RAKMSFSWQFNML
274. MDSHEQSSHPTET
275. ISMQHNSEKQRAD
276. DPWLSISIMFHNQ
277. NFHHHVSEMHESM
278. LNLGGISRIVGYE
279. ELNGIHSYQLGRR
280. FRQPPRSWVRFY
281. VKGFTSSEGAVEK
282. GTNSVHSVNGIFQ
283. LIDKKTSAARGHR
284. GVRLEMSTMTDEN
285. WPTVHGSKQSYEH
286. HHTDIYSLVPHFQ
287. VLHRKTSSERWSG
288. WKSNNSSSAVQSV
289. PEFWEQSPREFWT
290. FYDKYPSLLARIM
291. FVANPESLYLINT
292. LKDFHISWLPMQL
293. DRMWVASIWDGNY
294. PNMAIWSDNHYVP
295. HKMDPKSMKVPSQ
296. GMAREDSHRNGTW
297. TRMQGVSVVMMFF
298. RGGSKGSNHNAAF
299. TYVLWWSLEKLNI
300. ATQRPSQIMNLR
301. GQEINGSGGRYML
302. FEHYDSSMLVHKW
303. AWFERP SVYFGHT
304. ISTMYHSPTKRAF
305. IMMNPESRIHNHY
306. GQDKQDSFWKSNP
307. ESHISISRSTSMF
308. WLTAEVSGEQWLY

309. GGDESLSEVAKHK
310. PVEDPYSYKNYID
311. WTSTSRSPMPSNE
312. FIGYHTSVWDWMW
313. LGQWMYSGAESGK
314. AWNEAVSHAQTHK
315. LESLTI SAEEFVW
316. NIINTLSTSI PMM
317. NFFMRHSMHWYLS
318. QFSHYWSRTK PAT
319. HVYDYDSEYRRPQ
320. RHLYVISAHGGGF
321. QFMPLTSYVKNWY
322. VMFPRGSLVDAQN
323. GWWFPDSKTN YTV
324. GINESLSPSEM RG
325. YVWGELSIRQKIM
326. TRARRASVMLFEQ
327. DQVNRQSSVNR SF
328. QKGAMWSDPMLRN
329. HSHVVTSEHF EAM
330. SNSVQISLMIGLK
331. LADERSSTRLNQS
332. KDWPYRSIIMVKD
333. RSLYSQSLKIVYG
334. QMSPIISIMVIYK
335. NYVGWHSFSDTWW
336. VKAWPHSIPGNWV
337. HLVHQGSRHMYWQ
338. EGSWWQSIPPDWK
339. PKFWHTSFGINYT
340. TKIVMISARYPDA
341. IYNRLASTLTDVV
342. RSMTYFSQNKIKM
343. GAHHEESKND SGE
344. DWPLGSSRQIWYI
345. VAVDMPSSYAEPV
346. KIGSMNSEGDTGV

347. EGHPPMSGAGADK
348. ELHALSSGRDEPW
349. SQLNPYSTAKEKL
350. YKMMRYSWTNWIG
351. WSHDWSSFILPAG
352. TQQGANSMSGFWQM
353. DYRYAPSLWVRDK
354. DFLWEVSNVDDHF
355. AVTGKRSKKFFEL
356. PTAAEGSKEWGWG
357. ARTKSKSVEVVS W
358. KLGNIQSRHVSQH
359. DRNTMKSMMGIQQ
360. GFHRVQSIGIPI
361. STIHLDSPDGV EG
362. KWQGVNSIKHDVK
363. TMYEMYS PAFQT
364. NFQKIHSPMTDDP
365. FLRVGRSENHLEW
366. YPLFPQSRDDL NQ
367. SLNLDWSGYRYRD
368. QTFNFESLNIFHP
369. ELYTQTSMYYL RD
370. LGLALASWWLQVT
371. LGQPNGSTHYNWP
372. MQNSTFSHLNQIR
373. AWHHLRSWMK HMY
374. FRTKGQSAWQYAP
375. ITYHAMSHRISNA
376. VHFVSVSIIGDAR
377. WKIGNFSSGNHQD
378. TGAAVM SDFLYPV
379. QKKIRPSIVGPKK
380. DMEYELSMSNYAR
381. MGPFWSHNELFL
382. TRAYERSQRAFNG
383. EYGQGS SMDQHDG
384. DLRRYFSKLEYPF

Sequence Information RLS_C

1.	AVYPIFSMEMNQE	51.	VDYMMASGWIATG
2.	PFNPNDSDQLMHR	52.	KRHRWDSRDVTMI
3.	WGMVRLSIMKKQH	53.	QKNHGLSGQYKQN
4.	PYFYPESSERTWFM	54.	FLVYVYSMAANQQ
5.	GRWMTVSYPPTIK	55.	LSVVFHYSYMTPPG
6.	GRPFQTSKLEHFA	56.	FAFFDWSWHIDHL
7.	EQFSWRSMYVHEL	57.	KYSDMASKLVSLIA
8.	LNWFEPSSHEPDYF	58.	DEFLLDFSAITASG
9.	HREYAQSSYLTVK	59.	KWKSAMSTDYMRE
10.	GEEHNLSMIGDPI	60.	RHQTEASVVVYYN
11.	RPHMQGSTWMWNE	61.	NDITITSDHVLTK
12.	NWQVKDSIDTNAM	62.	RTLFDNSEGFDWQ
13.	TGREEMS FVHFQH	63.	YPEPTNSEMLVIN
14.	ISLTQRSRMYSAS	64.	VWVRTISRYGSSK
15.	EMLPAESDRKMTF	65.	NKDGQLSESTHTL
16.	DKTPGYSHEIEET	66.	DSDHDTSFHMPGA
17.	FTNWDKSAPHIAG	67.	QGWM TSSRHSGYF
18.	APYYLKSPIGQYM	68.	KPVDIHSVPTPFM
19.	FDHWHWSQSKFEP	69.	GRVYRHS PRAPFN
20.	EKQKKISFFRIAA	70.	GATHQKSEQTYIS
21.	WHFYVLSGKEGFF	71.	NSSHMI STNFMGR
22.	HPDMYNSIYYVQA	72.	EEVGMMSGIINSY
23.	MKPTGVSQWMEDM	73.	FIITPHSIGDMGH
24.	IPWFVQSKWNALP	74.	HHGGKDSMMPIER
25.	KAFVDRSPALHYG	75.	QHGMVMSDQFMNI
26.	FYPYIYSMPHRWT	76.	EQLKIYSPTKKWW
27.	DAIWPE SIMRLKH	77.	IGPSPMSYNNSKF
28.	HKPEDGSPQWKFI	78.	HRQKAESFKPHRN
29.	EWTSTRSTGTFSK	79.	TKKRNSSQAHEAR
30.	YWVWMQSNNWLSR	80.	DRWLDTSQRYWTP
31.	PSKLDSSSLHRNY	81.	HTTFLYSARNQWK
32.	GKMIVGSAWQLDV	82.	PNENHSSGIPPEH
33.	ISSNHMSQIGYSQ	83.	PDSFRNSTIQEIV
34.	MLDWFKSTPPSLP	84.	QWFHHVSNITSRI
35.	VYNEQTSYQIGIH	85.	KPRSSYSWKIYAS
36.	MVYMEYSVDVMWV	86.	QESPDASMVRQEL
37.	RELWDVSGLDKEH	87.	RSPSLRSVLIIVS
38.	VGARFFSGLWEND	88.	HMQM PRSKRMRQT
39.	FILISSSGLELNW	89.	DDSSWESEEDQKA
40.	SFLVDISEHFLNY	90.	VMFHKQSFARPNE
41.	GLKVRYSKALQMI	91.	KKEKVTSAWNTPN
42.	HYKPANSESLGR	92.	IIASNYSDQRTRY
43.	QAGPMLSRFRYF	93.	PYWFTKSNSAMIG
44.	NAEQRVSERGIDM	94.	PIKIKISIFIKRM
45.	IYTTATSTDYSFP	95.	RSGIFESGTTIFF
46.	TVLIGYSPMGHFQ	96.	SGMEKLSVINGGQ
47.	VVQMWN SVSFHMH	97.	YIANFTSVMWLLV
48.	HNAWHVSEVWDDK	98.	SFWMVSSFSRTIN
49.	LHFHLRSPMKSYK	99.	YPDHLASVYGYQE
50.	SGSTVVSFTYRFL	100.	SSSRKTSEIVKFL

101. GAHEPASTLKSYF
102. WLYGWSQMSGDY
103. NWGAKSSGDWYMS
104. YLPHANSTMRGNL
105. MSKGGHSGIADLYH
106. KTEQWSTPVAWD
107. MGPRLFSGQNRP
108. VEFKQLSGFMMSQ
109. QSLGMRSVTTWVL
110. GNGAVGSFAFHVD
111. MDQRANSESMGGS
112. VGSIGQSPMKHIE
113. NLLAKVSILTRQF
114. QHRKTMSTLGFFT
115. HVAAIESIYSRNL
116. YIGISVSILQSSL
117. RPYWVSPAYYAV
118. NKALRDSVAPHHV
119. MHQDFRSEKMSHF
120. VMRNNVSYITGG
121. NSIQDPSGKAEMD
122. EGNFYFNSETLTRM
123. WTRMPVSPVRPFV
124. WNQYLWSQIVKNI
125. RLWRTFSSELRLMY
126. VLNNFASMLRPRE
127. HELQNPSDQQGTP
128. GPQVAISVSTWDQ
129. RIFVFQSMIPIDY
130. NFGYKLSSTIGGSP
131. NLKARASMGILGR
132. TTYHAWSQHRIAK
133. LSKTGFSEPEAME
134. PKPGDESSMKTEK
135. RFAGANSQMERAS
136. MNLLNHSELHHYY
137. YKLVYISLVVPIV
138. NNFENFSRMTMSI
139. TWPQNISVYTRMM
140. VSSAQISKKHQEE
141. GDQGDASPPWREG
142. YTFEWKSWEMNLW
143. HVDWATSPYLRND
144. YLKVHSGSIGKNF
145. FGYQRSSNFKSWI
146. HHQQRYSTGFPAP
147. WRHSGMSWWIYID
148. GNGTPLSSVQAPE
149. GEQHDGSESSWRN
150. LNSQNWSYFIKYG
151. TRGRAESMFSANG
152. QYRISKSHSISQH

153. IWVVENSHASYLL
154. PDEKVRSLPQRIY
155. TPNFGRSLIIIVQ
156. HPHSKQSMLMRPW
157. YMIRYMSFTGTVN
158. VINEKASGVMLDG
159. TRDMQRSETNEWT
160. GIHKYISKHTWMR
161. LMGKTFSTGIHFH
162. LDSVMWSDFWTVR
163. NPMWMI SAAIYPS
164. KKPIPLSVGIPAH
165. LASKHNSSHYEIN
166. ATGNPVSMKPQSR
167. VQAFPISGYGSAD
168. VAGMVSSYPDQIW
169. KFPTYNSKQLEQT
170. RRSWLLSVFFYYY
171. RLAPVYSTSQGWT
172. QYGQHQSGSQAYY
173. VLPREMSWFGFQN
174. IIMWLLSHNYEEE
175. RAPKQISFVLQRA
176. LSEEFPSYPTAKN
177. VTKNDSSQVFYLW
178. QWQSHWSLDKYPD
179. WVYVGGSRDNLTH
180. VHTMTHSTIQQTR
181. NMEYIMSKVQTWI
182. PKEYSRSEQRAKK
183. GPDEEKSKNWDNM
184. SQGIFKSEGEFPG
185. HHVRGTSTKKVLN
186. GDKFPKSASLWPY
187. IAVPFVSIVGNQG
188. WSMLAQSSWVMEY
189. SHIWRPSKKIPMQ
190. YSVRQYSLIYLQS
191. KVAGDKSQMVEWL
192. LGMNSLSAINSDF
193. MHTGEKSLTWNGL
194. NNYYPGSDGFYIY
195. GNGHQESIVYVRR
196. IPELWVSHHYTDN
197. PITLGHSSWMVKDY
198. DIMEHVSGRKVVP
199. RKDIHQSAFDTWL
200. PHDRMGSHSGHQF
201. AIAVNASEAVLLP
202. TSKTAMSITRMTL
203. KYEGGPSASWYPA
204. WRHFAISLYNHRY

205. NLRNVE SGLMVLM
206. AFGMMESLKWQIT
207. IAF TLI SPTNREH
208. FKNHWMSYERFYL
209. LGMGAVSPDNPMQ
210. MNFVSQSPTMSSF
211. QPHPNMSIPNIRN
212. VYLP GKSSDMYVQ
213. GINRMKSWGRKHF
214. KHNMDSSKSMEST
215. ATATHFSHPQPTW
216. VLGQNSSIQSHWK
217. WTYNIWSRMRHLF
218. HWIAKISPSELWP
219. SQANRQSMVEADQ
220. NRMAILSMGTWKD
221. PSGKRY SFTVAAL
222. NRAGLGSAQNWID
223. DWWFRRSTPERAD
224. QMTSNRSYSQSDI
225. KTDGGHSLNFGSF
226. KFVSI ESFHQIDE
227. YQIHLVSVNAVPK
228. YQAGQQSLWYMFE
229. PMVMAPSKTAPLP
230. LEKNNSSSLEFVA
231. YYSDNRS GKIYPW
232. SHEFYVSREERKH
233. YSNNSFSEHAYYM
234. QRNGTKSKHYMVH
235. SGGFYFSLKDAWV
236. RPF FRESGTPPMG
237. EWDR LNSFN NNHH
238. NRARLGSVLLDWH
239. KKWLYLSKKWGNP
240. FWLIKESTPTVMK
241. QMYFSVSHTPMKY
242. YNYYEASFIVHWT
243. HWIKVESKSEYYR
244. GQAFNDSVTA AFH
245. TVVIQPSWLQHLP
246. NWWWISSAD FSTE
247. NHRTQTSEQNFGM
248. RSLDHRSSFHQWW
249. LEVQRMSIRIKWM
250. TWPDKYSDGVLSS
251. DVPGMPSYEGISR
252. GIMREGSSTD MII
253. MQDMLLSRWFSAE
254. ADGQEWSEWEEGP
255. DTMLAMSGRPLIL
256. FMAVGP SVWLPPP

257. FMGEWMSNHRRQQ
258. PYFGKHSANAWKV
259. F SFMDNSVFQQWW
260. GYVVSGSKNSRAY
261. MNVDTWSAWFVDA
262. PWKFWGSMYTARR
263. TQGIYYSKHARRN
264. KHHPQKSMMQFRI
265. IDDQWWS PFHIIY
266. DMSIHYSARAFKF
267. HYKGIYSPTVLRP
268. VMMYHQSDLQMIG
269. GMFESISWEVGAA
270. HKFWNQSEKEAQW
271. AIWSQPSHIKTWD
272. WTDVSI SFGSWNK
273. NANTKTSFFNPDD
274. AWYFSHSDPRRMD
275. RRMKKE SNIKDKQ
276. YATPAKSHRG PGR
277. LRP GKQSSRAVQM
278. EYWIQES PGLAMA
279. WIADTNSPKVNHW
280. KNRGWYSDGWLKH
281. PKNTYGSYMDHDL
282. ILGLSHSNNYLNK
283. AIVALSS FIDYLR
284. DAISTISSANNTA
285. WPPYDSSPHPAEG
286. RVLHIESV FYITE
287. DEQVYWSRENNPQ
288. LMIPIGSPRHDEP
289. RGEYMF SWGRSWA
290. ARVKKFSMSFIHV
291. NNIFGPSLQDRLV
292. DYVEMQSDQMSFM
293. HAPITISAITWQW
294. VNNTARSMSAWPQ
295. ANYHSGSWHMVDA
296. AMKWDE SGLHLDK
297. EIHWHISFRLPSK
298. SWTFVKSSWDLMV
299. WNPDPKSTPPHRT
300. MYLMQGSYHKWQV
301. WKDGHTSFDANLT
302. FQKGLLSFIRWFK
303. SPMSPGSMSIHTS
304. MPRVSE SFGPNWV
305. ITIPIDSAKYHNN
306. VTMGIFSFPEDPR
307. GRNPKKSILWALE
308. WEKWDASTQRMMN

309. YNSIDYSWRSLPA
310. VHEWRVSVAVDDN
311. FEAFRISQYNAGW
312. DSYPPNSKQMFDE
313. SLGMYPSYYGDKH
314. TQHAHMSENHTIG
315. WPAWQISTIW DAT
316. SRGHSQSPARYLE
317. INVWIESGMYFEP
318. SGKFMPSLFF FMT
319. VGFPPASAIETLW
320. IHLWWRSDATNPE
321. THQYDMSVFEHYV
322. PKYAWRSAFVDQW
323. LIDYLWSPYTGRG
324. LGWEFASYLVDTH
325. IFDMRASHGHMQE
326. RPSPNWSALPWEA
327. WWI IHFSIMKRVK
328. SVTKYMSI FTMDW
329. FQPFLFSMPSSD
330. DPTKINSEGLLM
331. MWAESSEWSMLI
332. LWMRPNSKFIVQE
333. QFRLNNSKINPIV
334. PYRQPPSPVSIMS
335. VKMVRMSYTVMQI
336. RRTHGESMDLLNE
337. NWSHDYSFDELFA
338. GWADSTSINAYGF
339. WPHSMTSYILVLI
340. YMKHHHSDYSYFN
341. MFKAWYSAFVYVL
342. TTTRLWSEWFPAW
343. EWFILKSDWLNMA
344. MEPLDASLQGLFW
345. KIANRTSARSWYH
346. EWMVPGSLFQHDY

347. DSYMTASWDAEVG
348. QDDTMASSIFFIV
349. NPGLHDSHMQFKA
350. ELLELESKFRGFS
351. KLTWWLSPMDAMW
352. NWSMVQSMTNTNV
353. MIGWRASSVFKWL
354. QYLKQRSHSWKES
355. YWQNEMSWKMQIS
356. TPGLYMSLAKVRR
357. AFMFGQSSPPFYV
358. NNMNPESLVGHIE
359. GEKLIRSDYQWVN
360. DGNYSLSDEENSF
361. PVTDFDSTSWTQP
362. NYHDDDSFYENQT
363. IRDSWHSQKVSFH
364. FTKYMN SIFVASM
365. HEVSQQSEAGFDQ
366. TWHTNWSSHDKY
367. RFYWNLSQFWWND
368. RSRLIKSHIMRPH
369. YQWILASGRRPSP
370. QKSPWISTGTNQM
371. PTRKSHSIHYSQW
372. TQFMMDSNSGIGS
373. KTHQDLSYDMEHK
374. YHRQSMSNANYSE
375. ATRVDGSKENHFF
376. KPVAKMSQFTTMQ
377. GPDNAISQAVDTQ
378. EFFHMGSAQHTNK
379. MDPHARSEKSNHQ
380. IYFSDHSDITIMV
381. ADINGKSNPGASE
382. ETINDMSVWFKGP
383. RKDDRASMGNIPIY
384. QVNIPISYSEQLH

Sequence Information RLS_D

1.	HLEWKHSSVTYGP	51.	WNMDPESDFWVFF
2.	KIMNKTSLVLYDI	52.	VTLWYYSYRNAVN
3.	PDYYEWSRNNVIS	53.	PMRSAQSENPHQE
4.	RTFREFSMQKYDL	54.	WYWWIFSMSNIFL
5.	VSAHFLLSDHEFDQ	55.	PKDYSWSYKGENI
6.	HTESEASNAPATA	56.	MLKDAHSPDSIDR
7.	IQHKVWSFHERWE	57.	KDSYTRSNVMVIF
8.	MPGGKRSRHEAPP	58.	KMENLASHINLSV
9.	AWHWKESNLTNVH	59.	MQHFTGSQGSHPV
10.	KLHSPGSFFNEPS	60.	NNQKQFSVQQIAW
11.	LMYGFASWHRYMK	61.	LGVWAHSPSTSLPL
12.	SWTHHDSQRTMGN	62.	MHILWSSKYSMVQ
13.	FWKHVFSHIGKIA	63.	TLYTMVSMLYAGH
14.	PFNKGKSGIVVDG	64.	AKLEDMSLEEHRP
15.	RDNQYNPHEVPV	65.	PHLEFWSQGDRVA
16.	TIILSGSYWRRHV	66.	YAGEGLSWMHNNL
17.	VSAKDQSMSWNRV	67.	GRWITRSTADKMK
18.	SRYQGMSYILRVN	68.	KDTSRISAFPVGV
19.	GNFFHSSPQYIFQ	69.	PGRYHPSKPSNWF
20.	EPRDRGSFPTDNW	70.	WMAINWSINMTYF
21.	YKEYNMSTSFIAW	71.	VTFKWSSKDV GAS
22.	QRMKVP SGQEFFT	72.	WHHLAQSSSWMAS
23.	LIRAWYSGIRRNG	73.	DRLNPFSTFLLKM
24.	TSKITESHENVLD	74.	AFLYSGSNDWAQK
25.	SFYDEWSSSTNHGP	75.	HGSHIYSAPFYYP
26.	HNFMKGSSMLQLV	76.	TWTMMRSPKMOMA
27.	YPFVKPSYLLIYE	77.	RENDHKSRRDEPE
28.	IPDLRGSHNMWMA	78.	KEWNYLSIYQGIS
29.	HQIHHSYSAIDKMK	79.	GQRYKMSLGYYIG
30.	KPSMIASNGHDAK	80.	HGVRVTSSVQVLY
31.	EVSVYKSIMDDAV	81.	QRNFYSSALHFMI
32.	DYFKIVSFRMNQQ	82.	KVDTPYSHMKAFQ
33.	TGFTDASIQFVMV	83.	EDVIMDSWKQSAI
34.	YFASNLSGVGKED	84.	PDHYFKSVWANMD
35.	ESFQMG SIRWSEN	85.	RINWVWSRKVYSH
36.	ENMMRASANTGSE	86.	KIAWASSGAGRYR
37.	EEWTAQSAKRLDH	87.	WGWHQSSQWQVLH
38.	QNQPFFSIEKWNP	88.	AWMQGFSENRFLE
39.	QPENHHSVLP PQS	89.	IMRDFESAINFLE
40.	IDFGMKSNIKMF	90.	KTLEVD SHVFNHW
41.	PFSWERSESITDE	91.	SFPSTSSWNHFSG
42.	DYMMTESRWYELE	92.	WFTYRASNYIYKE
43.	QRVFSASDMGWHF	93.	WNRNAWSHDRPGR
44.	ILNRQYSLRDESD	94.	FNFFILSLMFRQG
45.	NTNAVGSVWSKKG	95.	APFKDFSEIKWNE
46.	VLVPRMSIHLWNT	96.	NYKYHVSQLTANK
47.	QDRWNLSEPLYHM	97.	LVKIQVSDPMTFD
48.	RGNETGSKADEIG	98.	WHPLYRSWEDRYA
49.	FNGQAI SFHQGFF	99.	KGVHYN SNGILHT
50.	FKNVAFSFDGGHP	100.	HQLHYYSRVGTMS

101. AELSTQSGFIIAF
102. LHIKYPSNATLPL
103. IRKNAPSIDVMFE
104. RMILMPSTKFGWQ
105. ISPFIDSHGLHLM
106. DKMMIRSEQLSLR
107. TTFMPKSYEFFGK
108. TLMQYLSFMPGTY
109. KYMRWFSFMIVVE
110. ERYKEVSVHFEHT
111. GRHAADSELRHLLT
112. FSKHEASVVFLKV
113. GKMFGWSFTWWLV
114. QHDFNASAYTDEY
115. FQQGPM SLRIGFE
116. KYTNLLSYKKIPP
117. YQHEWISWPMLDK
118. EHPLTKSRFGGHN
119. RLWDSF SHGREAQ
120. RHWVMS SKRDKNG
121. PEVYYESQTESML
122. FNHDFMSILVDDE
123. FNKQYDSVHPVER
124. LVDAVISTRHME
125. DNQNYGSKPQNQK
126. HETQPKSRKENAD
127. DHQKFS SSVYRS
128. EFAQNF SRAIQII
129. RYLAFESMYFVID
130. INANAM S ADTWLV
131. HPTGPI SPLPTGY
132. HPWVVD SFVFDQE
133. NYHRDMS QMNSKA
134. SFLSYGS AKIDDE
135. SIRALH SKSGATR
136. GFHDQAS LIHNNHQ
137. YNYWQN SPGHNIR
138. TSVAGNS FWWKEI
139. QRMQAP SWAETYQ
140. AQLSAHS RRVGVQ
141. RKYRRR SWLEKIM
142. ENADFAS RHFLKI
143. TVNTNYS ILSKVT
144. EWWQYL S MGWPYD
145. AEWDIF SGPEDPG
146. AYFMLI SRMHEHH
147. HVNNVQ SARVHHD
148. HRVRSK SDVMGQW
149. PQRAKM SNTLPMT
150. DSKNFH S GWHNMP
151. PIRHHE SYSDGTA
152. VMPFPG SEYAFVM

153. WRDSWS SVTFTEK
154. RFEEMNS NNYQIN
155. AEVWFY SPQPDS
156. APKPLV SRFMKYW
157. HLEYVQ SYDRDDV
158. SVFLNMS FPIKEK
159. DGLGYF SGGGWRG
160. KMPRYQ STFVQEG
161. DVAVVDS PEYKVL
162. INGMHQ SIPEMSR
163. IIMMRG SKWWGHI
164. GVRPGT SEIENVW
165. ANWHTF SMMLHMV
166. FILKLG SSNRLIY
167. WQVPSA SSAMGYF
168. DWFFST STWIAWH
169. LKDHPW SVDVTFLL
170. KMRNLMS LDKHR
171. EDNHEQ SQRFLLAV
172. DFFYGY SNMNVV
173. HNFKWD SVQMLSL
174. PMLKLR SLHMVIP
175. HPREIR S SRPYWE
176. TSSYVG SWKLTVA
177. IRMISR SNPMIPK
178. VRGHEK STSQYQM
179. PHGKAF SYKRON
180. LIDQQG STTARGW
181. ELSFDW SFFQKRI
182. WTLFSK S SHMGEV
183. RWIVGV SWYQTWS
184. MEFEDP SLLMFHV
185. FGNRQY SMQLNYD
186. ATIQEE SAFTMMF
187. AWHQLP SMVPEIM
188. WVFYRI S NYDEPN
189. QIPYDS SSGSPALL
190. AGNIAQ SNIEQGT
191. QKPMND SRNGSSF
192. NFHPNQ SFITKKK
193. PDFRFQ SLMPEGG
194. YEVLGN SWLHTGG
195. NYYRSAS SWDLNG
196. TKTDIW SPIKMMH
197. NIIWEE SFWTLTK
198. MGNWRAS PISMPN
199. PVPKTH SKHSMRT
200. RLF IWR SRNRMMN
201. LYTHMY SSPRRVG
202. HAHHPV SKITEQD
203. IETLAG SVNEPQW
204. MRFHQ S SAVKHRD

205. FEAHASSDEKVRP
206. ALASTGSADQSHQ
207. ATMPGPSNEKTTV
208. KKWSMPSGYHREF
209. AKHYGYSYTLAHN
210. GADGWSSVDEETL
211. ASYPQSSTHTRAE
212. VFPANGSRHQPAD
213. KITILKSLMSHFI
214. HHNFRFSAMAWIG
215. IVWAPGSSEHWMI
216. LKLPFISPVQENW
217. TFAWFPSNSDRFL
218. HSEAELSIRKPEI
219. FQNRYTSTPYPLE
220. NFGYETSFRTPRR
221. QQEGEPSYIKWGG
222. DTKLTKSELMSRD
223. HLLFAPSFNFWKS
224. FEYRDSSYHGYGT
225. NDRHISSKQQGTW
226. PMFQAGSSQWLWE
227. KSERSKSVHPGVF
228. YPTAAISSPEVLF
229. HATWNTSDHDPAM
230. ALWQMLSDYTKVG
231. TSKRVLSVMGKDM
232. WLARMRSPHTPKR
233. PWDNYISEPVQGY
234. FTVFKLSSGSDHA
235. PRQVWRSGDQYQY
236. TAMYKGSFPPLWH
237. FPPSAASWRVGEG
238. HVIWDASSMMEYM
239. QYTQTESFGNNQD
240. KPHKWT SKMYSKN
241. HTRHQPSEWYNKD
242. IQTYWESGTPTYE
243. YVPHHSSLPLTPP
244. EPDDNKSEEIERT
245. HHAFQLSTIKGVY
246. VRRSPESNATYAR
247. LFVISVSIWPHEI
248. ARSELQSGSMPTT
249. NNEVDP SKDNSPW
250. NSQMKQSTTEIVV
251. IWKYRFSNRMSVF
252. YPLRQHSAEQGFN
253. ARQEELSARTIGI
254. RIKRMISDDFMYR
255. RSFDPVSLVHAVT
256. RGPLHNSWKWPSF

257. FSPQISSPPNSEF
258. ITENNISAGDLNE
259. VGYETLSTLIETQ
260. WSYRHNSHATMVF
261. RENFRDSYNSLTY
262. VQLDQWSPMIHVY
263. IRNDPESP NHFIG
264. GWQYNSSVFHWSR
265. GDDWGN S DERIHW
266. ISLVEISSRRNDF
267. EMQWKISGNEASD
268. RGNTSQSDAGHVS
269. GMPVGNSNTASSE
270. TSDMEESHEFWAQ
271. LQHPPFSNEVISE
272. VQWKGRSFGPMMS
273. QTNPGGSRTKAVV
274. LHRMGMSYQPMAT
275. HDEANVSFSERVF
276. APSYYWSAAGLGR
277. PQSNGNSEINKQM
278. SKAVLNSEEVI AW
279. ETMLIHSMQMEYQ
280. WHPENISRPQEHR
281. ERIMPESTPDPNE
282. TNNNQPSDGMASF
283. VFTHVESWYGMIIH
284. GWNESRSTIIDAH
285. TMGNVDSMRSDKT
286. FRWALDSQLVLEK
287. RQLDNESSDIKEE
288. REKQMRSNSVDHE
289. IQNTHLSNRVPKY
290. WNRRMP SHMQQNM
291. NIGGSLSLTHEGK
292. VHKRIASSGMDDE
293. DGVWMGSGKKEFK
294. FPKTGLSYATSSR
295. TMEQPPSAHNHLY
296. FPHDEF SKDGIWN
297. QRPPHISQLQFPR
298. KDAFRWSQIKKDR
299. NRADMASKVNESM
300. KEPWKYSYTVVYP
301. NMHTDGSEGYKSD
302. IWMKFNSFKGSDN
303. NWTAPSSYLDTGG
304. YGEKVESNMPWGD
305. HSVRQHSQDWQPL
306. WSIWYGSTSNMPN
307. RWELYVSSYLHQL
308. TPYWAQSEAGRYS

309. NQELSGSHFVRSQ
310. HKRASGSYSIDSP
311. GYLEKSSLYRNHI
312. NTAMMESIWKSWF
313. GSAAIQSRYSLLP
314. TQEWETSKGRIAI
315. GRGEALSLMNFSS
316. KFNWQLSSVSQTT
317. IFHFGVSGKLFKR
318. MWAFAGSKFVLLL
319. TMMQGTSLVTVYQ
320. IAKDYISIMWDMQ
321. FKRRIRSTNYMYQ
322. ARKKQGSMPKPMNG
323. ERMWRVSNPFPFH
324. AVEKGASPPFFVFE
325. YPVKKISHGQGPR
326. VRLTFPSRMFDMW
327. ETWWGASSYLKSH
328. KLSFWLSMHKYIG
329. SYHPRPSIRTKQI
330. KTQKFNSHKWKMN
331. FQQSPGSSNATGP
332. LYPFRRSHENMLI
333. FPFNKFSSQDGEW
334. EWIDEHSQRSADR
335. LNDSQSSKFWYDL
336. TLVGPASRSMNWP
337. PGSLEWSEWTIFK
338. FYPTAVSAGHWLI
339. FISWNKSGAQDAY
340. YNLGESSRMHHMD
341. ITAKYKSTVMPFR
342. YGNDHRSTSMYND
343. QHWYNMGRDPPN
344. IYKDFTSISPYHR
345. NSPQAMSINYENL
346. TAHRAPSGQAKFK
347. RTYFAWSYAVRSG
348. VQGGNVSQINKWY
349. EINLKYSEMPVHF
350. DFLFNVSHKRSET
351. MMKESLSLKKLYR
352. KVIDKNSHQDRGA
353. GWQFRISKAHAT
354. YMRGYYS GPNLTV
355. EKLESHSPVKSRH
356. YQLLYNSIFLYAH
357. HDVQAVSHVWEAN
358. STLTWDSGMPHQA
359. MRHNGVSVQFTPL
360. SEVETPSIHRWIL

361. MYSWDMSMYFSVE
362. QYFKNGSAMRNDM
363. EVNINISWWAELK
364. NQYQLWSATDVKF
365. TDYWQVSPHEFLD
366. QDEMSASIGGPER
367. KDFPFRSHPGIRQ
368. NQFKGHSLEWDTR
369. WQMVHASKFSQDI
370. FDLPLDSWVQSF
371. DETTIWSSYAEFW
372. WGQIFDSKNAQAS
373. SFATVPSFLDNRK
374. VRDWKWSPNGDGL
375. HWSMQISVTIAIQ
376. FVFVVDSPRPAAME
377. DGYFMRSTAMSDG
378. EPPFWHSKWSVQQ
379. RRTNYMSYKVPISI
380. MNWHNGSWRRDFW
381. AYWANLSWGPLPI
382. YNGGQASEISKTA
383. AYDQPNSGGGADM
384. GWTGGRSVTVRMD