

Titin

1. Methionylalanylthreonylserylarginylglycylalanylserylarginylcysteinylproly-
2. larginylaspartylisoleucylalanylasparaginyvalylmethionylglutaminylarginyl-
3. leucylglutaminylaspartylglutaminylglutaminylglutaminylisoleucylvalylglutaminyl-
4. llylsylarginylthreonylphenylalanylthreonyllysyltryptophylisoleucylasparagi-
5. nylserylhistidylleucylalanyllysylarginyllsylprolylprolylmethionylvalylva-
6. lylaspartylaspartylleucylphenylalanylglutaminylaspartylmethionyllsylaspart-
7. ylglycylvalyllsylleucylleucylalanylleucylleucylglutaminylvalylleucylserylgl-
8. lycylglutaminyllsylleucylprolylcysteinylglutaminylglutaminylglycylarginyla-
9. rginylmethionyllsylarginylisoleucylhistidylalanylvalylalanylasparaginyli-
10. soleucylglycylthreonylalanylleucyllsylphenylalanylleucylglutaminylglycylar-
11. ginyllsylisoleucyllsylleucylvalylasparaginyisoleucylasparaginylserylth-
12. reonylaspartylisoleucylalanylaspartylglycylarginylprolylserylisoleucylval-
13. ylleucylglycylleucylmethionyltryptophylthreonylisoleucylisoleucylleucylty-
14. rosylphenylalanylglutaminylisoleucylglutaminylglutaminylleucylthreonylserylal-
15. paraginylleucylprolylglutaminylleucylglutaminylserylleucylserylserylseryl-
16. alanylserylserylvalylaspartylserylisoleucylvalylserylserylglutaminylthreony-
17. lprolylserylprolylprolylseryllsylarginyllsylvalylthreonylthreonyllsyli-
18. soleucylglutaminylglycylasparaginyalanyllysyllysylalanylleucylleucylls-
19. ltryptophylvalylglutaminyltyrosylthreonylalanylglycyllsylglutaminylthreo-
20. nylglycylisoleucylglutaminylvalyllsylaspartylphenylalanylglycyllsylserylth-
21. ryltryptophylarginylserylglycylvalylalanylphenylalanylhistidylserylvalylisole-
22. ucyllhistidylalanylisoleucylarginylprolylglutaminylleucylvalylaspartylleucyl-
23. glutaminylthreonylvalyllsylglycylarginylserylalparaginylarginylglutaminylasp-
24. araginylleucylglutaminylaspartylalanylphenylalanylthreonylisoleucylalanylgl-
25. utaminylthreonylglutaminylleucylglycylisoleucylprolylarginylleucylleucylaspar-
26. tylprolylglutaminylaspartylvalylaspartylvalylaspartyllsylprolylaspartylglu-
27. famyllsylserylisoleucylmethionylthreonyltyrosylvalylalanylglutaminylphen-
28. ylalanylleucyllsylhistidyltyrosylprolylaspartylisoleucylhistidylasparagi-
29. nylalanylserylthreonylaspartylglycylglutaminylglutaminylaspartylaspartylglu-
30. famylisoleucylleucylprolylglycylphenylalanylprolylserylphenylalanylalanyl-
31. asparaginylserylvalylglutaminylasparaginyphenylalanyllysylarginylglutaminyl-
32. laspartylarginylvalylisoleucylphenylalanyllysylglutaminylmethionyllsylvalyl-
33. ltryptophylisoleucylglutaminylglutaminylphenylalanylglutaminylarginylaspartyl-
34. leucylthreonylarginylalanylglutaminylmethionylvalylglutaminylserylalparagin-
35. ylleucylglutaminylaspartyllsyltyrosylglutaminylserylphenylalanyllysylhis-

36. fitylphenylalanylarginylvalylglutaminyltyrosylglutamylmethionyllysylargin-
37. yllysylglutaminy isoleucylglutamylhistidylleucylisoleucylglutaminylprolyl-
38. leucylhistidylarginylaspartylglycyllysylleucylserylleucylaspartylglutamin-
39. ylalanylleucylvalyllysylglutaminy lseryltryptophylaspartylarginylvalylthre-
40. onylserylarginylleucylphenylalanyl aspartyltryptophylhistidylisoleucylglut-
41. aminylleucylaspartyllysylserylleucylprolylalanylprolylleucylglycylthreony-
42. lisoleucylglycylalanyltryptophylleucyltyrosylarginylalanylglutamylvalylal-
43. anylleucylarginylglutamylglutamylisoleucylthreonylvalylglutaminyglutamin-
44. ylvalylhistidylglutamylglutamylthreonylalanyl asparaginy lthreonyl isoleucyl-
45. glutaminy larginyllysylleucylglutamylglutaminy lhistidyllysylaspartylleucyl-
46. leucylglutaminy l asparaginy lthreonyl aspartylalanylhistidyllysylarginylalan-
47. ylphenylalanylhistidylglutamylisoleucyltyrosylarginylthreonylarginylseryl-
48. valylasparaginy lglycylisoleucylprolylvalylprolylprolyl aspartylglutaminy l-
49. eucylglutamyl aspartylmethionylalanylglutamylarginylphenylalanylhistidylph-
50. enylalanylvalylserylsery lthreonylsery lglutamylleucylhistidylleucylmethion-
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53. ysylseryltryptophylisoleucylisoleucyllysyltyrosylglycylarginylarginylglut-
54. amylsery lvalylglutamylglutaminy lleucylleucylglutaminy l asparaginy ltyrosylv-
55. alylsery lphenylalanylisoleucylglutamyl asparaginy lsery llysylphenylalanylph-
56. enylalanylglutamylglutaminy ltyrosylglutamylvalylthreony ltyrosylglutaminy l-
57. isoleucylleucyllysylglutaminy lthreonylalanylglutamylmethionyltyrosylvalyl-
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59. ny lvalylmethionyllysylphenylalanyl methionyl asparaginy lglutamylthreony lthre-
60. eonylalanylglutaminy ltryptophylarginyl asparaginy lleucylsery lvalylglutamyl-
61. valylarginylsery lvalylarginylsery l methionylleucylglutamylglutamylvalyliso-
62. leucylsery l asparaginy ltryptophyl aspartylarginyltyrosylglycyl asparaginy lth-
63. reonylvalylalany lsery lleucylglutaminy lalany ltryptophylleucylglutamyl aspar-
64. tylalanylglutamyllysylmethionylleucyl asparaginy lglutaminy lsery lglutamyl as-
65. paraginy lalany llysyllysyl aspartylphenylalanylphenylalanylarginyl asparagin-
66. ylleucylprolylhistidyltryptophylisoleucylglutaminy lglutaminy lhistidylthre-
67. onylalany l methionyl asparaginy l aspartylalany lglycyl asparaginy lphenylalany l-
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69. ylarginyl aspartylleucyllysylglutaminy lglutaminy lleucylleucylleucylleucyla-
70. sparaginy lglycylarginyltryptophylarginylglutamylleucylphenylalany l methion-
71. ylglutamylvalyllysylglutaminy ltyrosylalanylglutaminy lalanyl aspartylglutam-
72. ylmethionyl aspartylarginylmethionyllysyllysylglutamyltyrosylthreonyl aspar-
73. tylcysteinylvalylvalylthreonylleucylsery lalany lphenylalany lalany lthreonyl-
74. glutamylalany lhistidyllysyllysylleucylsery lglutamylprolylleucylglutamylva-
75. lysery lphenylalany l methionyl asparaginy lvalyllysylleucylleucylisoleucylgl-
76. utaminy l aspartylleucylglutamyl aspartylisoleucylglutamylglutaminy larginylv-

77. alylprolylvalylmethionylaspartylalanylglutaminyltyrosyllsylisoleucylisol-
 78. eucylthreonyllsylvlthreonylalanylhistidylleucylisoleucylthreonyllsylvlgluta-
 79. mylserylprolylglutaminylglutaminylglutaminylglycyllysylglutaminylmethionylpheny-
 80. lalanylalanylthreonylmethionylseryllsylleucyllysylglutaminylglutaminylleuc-
 81. ylthreonyllsylvllysylglutaminylcysteinylytyrosylserylprolylleucylleucyl-
 82. yrosylglutaminylserylglutaminylglutaminylleucylleucylisoleucylprolylleucylg-
 83. lutaminylglutaminylleucylglutaminyllysylglutaminylmethionylthreonylserylphenyla-
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 88. ysyllysylthreonylleucylthreonylleucylisoleucylglutaminyllysylglycylserylglu-
 89. taminylserylvalylglutaminyllysylphenylalanylvalylthreonylleucylserylaspar-
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 93. lycylaspartyltrypophyllsyllysylhistidylvalylglutaminylthreonylasparaginyll-
 94. serylarginylleucylmethionyllysyllysylphenylalanylglutaminylglutaminylserylarg-
 95. inylalanylglutaminylleucylglutaminyllysylvalylleucylarginylisoleucylalanylglu-
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118. uřamylgluřamylisoleucylarginylasparaginylglycylvalylřhreonyllysylarginylg-
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 120. sylvalylleucylřhreonylgluřamylvalylserylserylgluřamylasparaginygluřamyla-
 121. lanylgluřaminyllsylgluřaminylglycylasparřylgluřamylleucylalanyllysylleuc-
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 125. sylasparaginylserylleucylgluřamylgluřamylleucylisoleucylserylglycylseryll-
 126. ysygluřamylvalylgluřaminylgluřamylgluřaminylalanylgluřamyllsylisoleucyl-
 127. leucylasparřylřhreonylgluřamylasparaginylleucylphenylalanylgluřamylalanyl-
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 132. tidylgluřamylgluřamylleucylarginyllsylleucylgluřamylserylřhreonylleucyla-
 133. sparřylglycylleucylgluřamylarginylserylarginylgluřamylarginylgluřaminygl-
 134. uřamylarginylarginylisoleucylgluřaminylvalylřhreonylleucylarginyllsylřry-
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 141. řamylalanylserylgluřamylisoleucylproyllleucylglycylprolylgluřaminylaspara-
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203. parťylgluťamylleucylasparaginyIserylhistidylgluťamylhistidylgluťamylleucy-
204. lcysteinyItryptophyllleucyllysylasparťyllsyalanyllysylgluťaminyIsoleucy-
205. lalanylgluťaminyllsyalasparťylvalylalanylphenylalanylalanylprolyIgluťamyl-
206. valylasparťylarginylgluťamylIsoleucylasparaginyIarginylleucylgluťamylvalyl-
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209. lleucylIsoleucylasparťylleucylmethionylarginylgluťamylťyrosylgluťaminyIas-
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213. enylalanyIseryllsyalhistidylgluťamylťhreonylalanyllsyalasparaginyllsyalme-
214. thionylasparaginyIťyrosyllsyalgluťaminyllsyalasparťylleucylasparťylaspara-
215. ginyIphenylalanylťhreonyIseryllsyalglycyllysylhistidylleucylleucylseryIgl-
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217. lleucylvalyllysylťhreonylasparťylmethionylgluťamylseryIťhreonyIvalylaspar-
- 218.ťyllsyalťryptophyllleucylasparťylvalylseryIgluťamyllysylleucylgluťamylgluť-
219. amylasparaginyImethionylasparťylarginylleucylarginylvalylserylleucylseryI-
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225. ylasparaginyllsyalalanylleucylarginylleucylgluťamylgluťamylleucylhistidyl-
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233. gluťamylgluťamylserylleucylmethionylasparaginyIcysteinyIalanylgluťaminyIa-
234. sparaginyIgluťamylťhreonyIcysteinyIgluťamylalanyllleucyllysyllysylvalyllys-
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236. gluťaminyIserylasparaginyIsoleucylseryIseryIťhreonyIgluťaminyIgluťamylas-
237. paraginyllleucylasparaginyIserylleucylcysteinyIarginyllsyalťyrosylhistidyl-
238. seryIalanylgluťamylleucylgluťamylserylleucylglycylarginylalanyImethionylť-
239. hreonyIglycylleucylIsoleucyllysyllysylhistidylgluťamylalanylvalylseryIglu-
- 240.ťaminyllleucylcysteinyIseryllsyalťhreonyIgluťaminyIalanyIserylleucylgluťam-

241. inylglutamylyserylleucylglutamyllsylhistidylphenylalanylserylglutamylyseryl-
242. lmetionylglutaminylglutamylphenylalanylglutaminylglutamyltryptophylphenyl-
243. lalanylleucylglycylalanyllsyalalanylalanylalanyllsylglutamylyserylserylas-
244. par tylarginylthreonylglycylaspar tylseryllsylvalylleucylglutamylalanylls-
245. ylleucylhistidylaspar tylleucylglutaminylasparaginyllsoleucylleucylaspar ty-
246. lserylvalylserylaspar tylglycylglutaminylseryllsylleucylaspar tylalanylval-
247. ylthreonylglutaminylglutamylglycylglutaminylthreonylleucyltyrosylalanylhi-
248. stidylleucylseryllsylglutaminylsoleucylvalylserylserylsoleucylglutamin-
249. ylglutamylglutaminylsoleucylthreonyllsyalalanylasparaginyglutamylglutam-
250. ylphenylalanylglutaminylalanylphenylalanylleucyllsylglutaminylcysteinyl-
251. eucyllsyalaspar tylsylglutaminylalanylleucylglutaminylaspar tylcysteinyla-
252. lanylserylglutamyllleucylglycylserylphenylalanylglutamylaspar tylglutaminyl-
253. histidylarginyllsylleucylasparaginyllleucyltryptophylsoleucylhistidylglu-
254. t amylmethionylglutamylglutamylarginylphenylalanylasparaginythreonylgluta-
255. mylasparaginylleucylglycylglutamylyseryllsylglutaminylhistidylsoleucylpr-
256. oylglutamyllsyalasparaginyglutamylvalylhistidyllsylvalylglutamylm-
257. etionylphenylalanylleucylglycylglutamyllleucylleucylalanylalanylarginylgl-
258. ut amylserylleucylaspar tylsylleucylserylglutaminylarginylglycylglutaminyl-
259. lleucylleucylserylglutamylglutamylglycylhistidylglycylalanylglycylglutami-
260. nylglutamylglycylarginylleucylcysteinylserylglutaminylleucylleucylthreony-
261. lserylhistidylglutaminylasparaginyllleucylleucylarginylmethionylthreonylls-
262. sylglutamyllsylleucylarginylserylcysteinylglutaminylvalylalanylleucylglu-
263. t aminylglutamylhistidylglutamylalanylleucylglutamylglutamylalanylleucylgl-
264. ut aminylserylmethionyltryptophylphenylalanyltryptophylvalyllsyalalanyliso-
265. leucylglutaminylaspar tylarginylleucylalanylcysteinylalanylglutamylserylth-
266. reonylleucylglycylseryllsyalaspar tylthreonylleucylglutamyllsylarginylleu-
267. cylserylglutaminylsoleucylglutaminylaspar tylsoleucylleucylleucylmethion-
268. yllysylglycylglutamylglycylglutamylvalyllsylleucylasparaginylmethionylal-
269. anylsoleucylglycyllysylglycylglutamylglutaminylalanylleucylarginylseryls-
270. erylasparaginyllsylglutamylglycylglutaminylarginylvalylsoleucylglutamin-
271. ylthreonylglutaminylleucylglutamylthreonylleucyllsylglutamylvalyltryptop-
272. hylalanylaspar tylsoleucylmethionylserylserylserylvalylhistidylalanylglut-
273. aminylserylthreonylleucylglutamylserylvalylsoleucylserylglutaminyltryptop-
274. phylasparaginylaspar tyltyrosylvalylglutamylarginyllsyalasparaginyglutami-
275. nylleucylglutamylglutaminyltryptophylmethionylglutamylserylvalylaspar tylg-
276. lut aminyllsylsoleucylglutamylhistidylprolylleucylglutaminylprolylglutam-
277. inylprolylglycylleucyllsylglutamyllsylphenylalanylvalylleucylleucylaspa-
278. r tylhistidylleucylglutaminylserylsoleucylleucylserylglutamylalanylglutam-
279. ylaspar tylhistidylthreonylarginylalanylleucylhistidylarginylleucylsoleuc-
280. ylalanyllsylserylarginylglutamyllleucyltyrosylglutamyllsylthreonylglutam-
281. ylaspar tylglutamylserylphenylalanyllsyalaspar tylthreonylalanylglutaminylg-

282. luťamylgluťamylleucyllysylťhreonylgluťaminylphenylalanylasparginylasparť-
283. ylisoleucylmethionylťhreonylvalylalanyllysylgluťamyllysylmethionylarginyl-
284. lysylvalylgluťamylgluťamylisoleucylvalyllysylasparťylhistidylleucylmethio-
285. nylťtyrosylleucylasparťylalanylvalylhistidylgluťamylphenylalanylťhreonylas-
286. parťylťryptophyllleucylhistidylserylalanyllysylgluťamylgluťamylleucylhisti-
287. dylarginylťryptophylserylaspargylmethionylserylglycylasparťylserylserylal-
288. anylťhreonylgluťaminyllslyllysylleucylseryllslylisoleucyllysylgluťamylleu-
289. cylisoleucylasparťylserylarginylgluťamylisoleucylglycylalanylserylarginyl-
290. leucylserylarginylvalylgluťamylserylleucylalanylprolylgluťamylvalyllysylg-
291. luťaminylasparaginyľťhreonyľťhreonylalanylserylglycylcysteinyľgluťamylleu-
292. cylmethionylhistidylťhreonylgluťamylmethionylgluťaminylalanylleucylarginy-
293. lalanylasparťylťryptophyllslylgluťaminyľťryptophylgluťamylasparťylserylva-
294. lyľphenylalanylgluťaminyľťhreonylgluťaminyľserylcysteinyľleucylgluťamylas-
295. paraginyľleucylvalylserylgluťaminyľmethionylalanylleucylserylgluťamylgluť-
296. aminylgluťamylphenylalanylserylglycylgluťaminyľvalylalanylgluťaminyľleucy-
297. lgluťamylgluťaminyľalanylleucylgluťamylgluťaminyľphenylalanylserylalanyľ-
298. eucylleucyllysylťhreonyľťryptophylalanylgluťaminylgluťaminyľleucylťhreony-
299. lleucylleucylgluťamylglycyllysylasparaginyľťhreonylasparťylgluťamylgluťam-
300. ylisoleucylvalylgluťamylcysteinyľťryptophylhistidyllysylglycylgluťaminyľg-
301. luťamylisoleucylleucylasparťylalanylleucylgluťaminyľlysylalanylgluťamylpr-
302. olyľarginylťťhreonylgluťamylasparťylleucyllysylserylgluťaminyľleucylaspara-
303. ginyľgluťamylleucylcysteinyľarginylphenylalanylserylarginylasparťylleucyl-
304. serylťťhreonyľťtyrosylserylglycyllysylvalylserylglycylleucylisoleucyllysylg-
305. luťamylťtyrosylasparaginyľcysteinyľleucylcysteinyľleucylgluťaminyľalanyľse-
306. ryllslylglycylcysteinyľgluťaminyľasparaginyľlysylgluťamylgluťaminyľisoleu-
307. cylleucylgluťaminyľgluťaminyľarginylphenylalanyľarginyllysylalanyľphenyla-
308. lanyľarginylasparťylphenylalanylgluťaminyľgluťaminyľťryptophyllleucylvalyl-
309. asparaginyľalanyľlysylisoleucylťťhreonyľťťhreonyľalanyľlysylcysteinyľphenyl-
310. alanyľasparťylisoleucylprolylgluťaminyľasparaginyľisoleucylserylgluťamylv-
311. alyľserylťťhreonyľserylleucylgluťaminyľlysylisoleucylgluťaminyľgluťamylphe-
312. nylalanylleucylserylgluťamylserylgluťamylasparaginyľglycylgluťaminyľhisti-
313. dyllysylleucylasparaginyľmethionylmethionylleucylseryllslylglycylgluťamyl-
314. leucylleucylserylťťhreonyľleucylleucylťťhreonyľlysylgluťamyllysylalanyľlysy-
315. lglycylisoleucylgluťaminyľalanyľlysylvalylťťhreonyľalanyľalanyľlysylgluťam-
316. ylasparťylťryptophyllslylasparaginyľphenylalanyľhistidylserylasparaginyľ-
317. eucylhistidylgluťaminyľlysylgluťamylserylalanylleucylgluťamylasparaginyľ-
318. eucyllysylisoleucylgluťaminyľmethionyllysylasparťylphenylalanylgluťamylva-
319. lyľserylalanylgluťamylprolylisoleucylgluťaminyľasparťylťryptophyllleucylse-
320. ryllslyľťťhreonylgluťamyllysylmethionylvalylhistidylgluťamylserylserylaspa-
321. raginyľarginylleucylťtyrosylasparťylleucylprolyľalanyľlysylarginylarginylg-
322. luťamylgluťaminyľgluťaminyľlysylleucylgluťaminyľserylvalylleucylgluťamylg-

323. l u t a m y l i s o l e u c y l h i s t i d y l c y s t e i n y l t y r o s y l g l u t a m y l p r o l y l g l u t a m i n y l l e u c y l a s p -
 324. a r a g i n y l a r g i n y l l e u c y l l y s y l g l u t a m y l l y s y l a l a n y l g l u t a m i n y l g l u t a m i n y l l e u c y l t r -
 325. y p t o p h y l g l u t a m y l g l y c y l g l u t a m i n y l a l a n y l a l a n y l s e r y l l y s y l s e r y l p h e n y l a l a n y l a r -
 326. g i n y l h i s t i d y l a r g i n y l v a l y l s e r y l g l u t a m i n y l l e u c y l s e r y l s e r y l g l u t a m i n y l t y r o s y l -
 327. l e u c y l a l a n y l l e u c y l s e r y l a s p a r a g i n y l l e u c y l t h r e o n y l l y s y l g l u t a m y l l y s y l v a l y l s e -
 328. r y l a r g i n y l l e u c y l a s p a r t y l a r g i n y l i s o l e u c y l v a l y l a l a n y l g l u t a m y l h i s t i d y l a s p a r a -
 329. g i n y l g l u t a m i n y l p h e n y l a l a n y l s e r y l l e u c y l g l y c y l i s o l e u c y l l y s y l g l u t a m y l l e u c y l g -
 330. l u t a m i n y l a s p a r t y l t r y p t o p h y l m e t h i o n y l t h r e o n y l a s p a r t y l a l a n y l i s o l e u c y l h i s t i d -
 331. y l m e t h i o n y l l e u c y l a s p a r t y l s e r y l t y r o s y l c y s t e i n y l h i s t i d y l p r o l y l t h r e o n y l s e r y l -
 332. a s p a r t y l l y s y l s e r y l v a l y l l e u c y l a s p a r t y l s e r y l a r g i n y l t h r e o n y l l e u c y l l y s y l l e u c y -
 333. l g l u t a m y l a l a n y l l e u c y l l e u c y l s e r y l v a l y l l y s y l g l u t a m i n y l g l u t a m y l l y s y l g l u t a m y l -
 334. i s o l e u c y l g l u t a m i n y l m e t h i o n y l l y s y l m e t h i o n y l i s o l e u c y l v a l y l t h r e o n y l a r g i n y l g l -
 335. y c y l g l u t a m y l s e r y l v a l y l l e u c y l g l u t a m i n y l a s p a r a g i n y l t h r e o n y l s e r y l p r o l y l g l u t a -
 336. m y l g l y c y l i s o l e u c y l p r o l y l t h r e o n y l i s o l e u c y l g l u t a m i n y l g l u t a m i n y l g l u t a m i n y l l e -
 337. u c y l g l u t a m i n y l s e r y l v a l y l l y s y l a s p a r t y l m e t h i o n y l t r y p t o p h y l a l a n y l s e r y l l e u c y l -
 338. l e u c y l s e r y l a l a n y l g l y c y l i s o l e u c y l a r g i n y l c y s t e i n y l l y s y l s e r y l g l u t a m i n y l l e u c y -
 339. l g l u t a m y l g l y c y l a l a n y l l e u c y l s e r y l l y s y l t r y p t o p h y l t h r e o n y l s e r y l t y r o s y l g l u t a m -
 340. i n y l a s p a r t y l g l y c y l v a l y l a r g i n y l g l u t a m i n y l p h e n y l a l a n y l s e r y l g l y c y l t r y p t o p h y l -
 341. m e t h i o n y l a s p a r t y l s e r y l m e t h i o n y l g l u t a m y l a l a n y l a s p a r a g i n y l l e u c y l a s p a r a g i n y l -
 342. g l u t a m y l s e r y l g l u t a m y l a r g i n y l g l u t a m i n y l h i s t i d y l a l a n y l g l u t a m y l l e u c y l a r g i n y l -
 343. a s p a r t y l l y s y l t h r e o n y l t h r e o n y l m e t h i o n y l l e u c y l g l y c y l l y s y l a l a n y l l y s y l l e u c y l l -
 344. e u c y l a s p a r a g i n y l g l u t a m y l g l u t a m y l v a l y l l e u c y l s e r y l t y r o s y l s e r y l s e r y l l e u c y l l e -
 345. u c y l g l u t a m y l t h r e o n y l i s o l e u c y l g l u t a m y l v a l y l l y s y l g l y c y l a l a n y l g l y c y l m e t h i o n y -
 346. l t h r e o n y l g l u t a m y l h i s t i d y l t y r o s y l v a l y l t h r e o n y l g l u t a m i n y l l e u c y l g l u t a m y l l e u c -
 347. y l g l u t a m i n y l a s p a r t y l l e u c y l g l u t a m i n y l g l u t a m y l a r g i n y l t y r o s y l a r g i n y l a l a n y l i s -
 348. o l e u c y l g l u t a m i n y l g l u t a m y l a r g i n y l a l a n y l l y s y l g l u t a m y l a l a n y l v a l y l t h r e o n y l l y s -
 349. y l s e r y l g l u t a m y l l y s y l l e u c y l v a l y l a r g i n y l l e u c y l h i s t i d y l g l u t a m i n y l g l u t a m y l t y r -
 350. o s y l g l u t a m i n y l a r g i n y l a s p a r t y l l e u c y l l y s y l a l a n y l p h e n y l a l a n y l g l u t a m y l v a l y l t r -
 351. y p t o p h y l l e u c y l g l y c y l g l u t a m i n y l g l u t a m y l g l u t a m i n y l g l u t a m y l l y s y l l e u c y l a s p a r t -
 352. y l g l u t a m i n y l t y r o s y l s e r y l v a l y l l e u c y l g l u t a m y l g l y c y l a s p a r t y l a l a n y l h i s t i d y l t h -
 353. r e o n y l h i s t i d y l g l u t a m y l t h r e o n y l t h r e o n y l l e u c y l a r g i n y l a s p a r t y l l e u c y l g l u t a m i n -
 354. y l g l u t a m y l l e u c y l g l u t a m i n y l v a l y l h i s t i d y l c y s t e i n y l a l a n y l g l u t a m y l g l y c y l g l u t a -
 355. m i n y l a l a n y l l e u c y l l e u c y l a s p a r a g i n y l s e r y l v a l y l l e u c y l h i s t i d y l t h r e o n y l a r g i n y l -
 356. g l u t a m y l a s p a r t y l v a l y l i s o l e u c y l p r o l y l s e r y l g l y c y l i s o l e u c y l p r o l y l g l u t a m i n y l a -
 357. l a n y l g l u t a m y l a s p a r t y l a r g i n y l a l a n y l l e u c y l g l u t a m y l s e r y l l e u c y l a r g i n y l g l u t a m i -
 358. n y l a s p a r t y l t r y p t o p h y l g l u t a m i n y l a l a n y l t y r o s y l g l u t a m i n y l h i s t i d y l a r g i n y l l e u c -
 359. y l s e r y l g l u t a m y l t h r e o n y l a r g i n y l t h r e o n y l g l u t a m i n y l p h e n y l a l a n y l a s p a r a g i n y l a s -
 360. p a r a g i n y l v a l y l v a l y l a s p a r a g i n y l l y s y l l e u c y l a r g i n y l l e u c y l m e t h i o n y l g l u t a m y l g l -
 361. u t a m i n y l l y s y l p h e n y l a l a n y l g l u t a m i n y l g l u t a m i n y l v a l y l a s p a r t y l g l u t a m y l t r y p t o p -
 362. h y l l e u c y l l y s y l t h r e o n y l a l a n y l g l u t a m y l g l u t a m y l l y s y l v a l y l s e r y l p r o l y l a r g i n y l t -
 363. h r e o n y l a r g i n y l a r g i n y l g l u t a m i n y l s e r y l a s p a r a g i n y l a r g i n y l a l a n y l t h r e o n y l l y s y l -

364. glutamylisoleucylglutaminylleucylhistidylglutaminylmethionyllysylsyttry-
 365. ptophyhistidylglutamylglutamylvalylthreonylalanyltyrosylarginylaspartylg-
 366. lutamylvalylglutamylglutamylvalylglycylalanylarginylalanylglutaminylgluta-
 367. mylisoleucylleucylaspartylglutamylserylhistidylvalylasparaginylserylargin-
 368. ylmethionylglycylcysteinyglutaminylalanylthreonylglutaminylleucylthreony-
 369. lserylarginyltyrosylglutaminylalanylleucylleucylleucylglutaminylvalylleuc-
 370. ylglutamylglutaminylisoleucyllysylphenylalanylleucylglutamylglutamylgluta-
 371. mylisoleucylglutaminylserylleucylglutamylglutamylserylglutamylserylseryl-
 372. eucylserylseryltyrosylserylalanyltyrptophyltyrosylglycylserylthreonylhi-
 373. stidyllsylvasparaginyphenylalanyllysylvasparaginyvalylalanylthreonyllsy-
 374. lisoleucylaspartyllsylvallylglutaminylthreonylvalylmethionylmethionylglycyl-
 375. lysyllsylvleucyllysylthreonylleucylglutaminylvalylleucylleucyllysylvaspartyl-
 376. methionylglutaminyllysylglycylhistidylserylleucylleucyllysylserylalanylargi-
 377. nylglutaminyllysylglycylglutaminylarginylalanylvalyllsylvtyrosylleucylglutamy-
 378. lglutaminylglycylglutaminylalanylglutaminylarginylleucylarginyllsylvglutaminyliso-
 379. leucylhistidylaspartylhistidylmethionylglutaminylglutaminylleucyllysylvgluta-
 380. mylleucylthreonylserylthreonylvalylarginyllsylvglutaminylhistidylmethionyl-
 381. hreonylleucylglutaminyllysylglycylleucylhistidylleucylalanyllysylvglutaminylph-
 382. enylalanylserylalanyllysylcysteinyllsylvalanylleucylthreonylglutaminyl-
 383. rypthophylisoleucylalanylglutaminyltyrosylglutaminylglutaminylisoleucylleucylh-
 384. istidylvalylprolylglutaminylglutaminylprolyllsylvmethionylglutaminylleucyltyros-
 385. ylglutaminyllysylvllysyalanylglutaminylleucylseryllysylvtyrosyllsylvleuc-
 386. ylglutaminylglutaminylthreonylvalylleucylserylhistidylglutaminylprolylseryl-
 387. valyllsylvlserylvalylarginylglutaminyllysylglycylglutaminylalanylleucylleucylg-
 388. lutaminylleucylvalylglutaminylaspartylvalylthreonylleucyllysylvaspartyllsylv-
 389. isoleucylaspartylglutaminylleucylglutaminylserylalanyltyrosylglutaminyl-
 390. aspartylleucylcysteinylserylisoleucylglycyllysylvglutaminylhistidylvalylphen-
 391. ylalanylserylleucylglutaminylalanyllysylvallyllysylvaspartylhistidylglutaminyl-
 392. aspartyltyrosylasparaginylserylglutaminylleucylglutaminylglutaminylvalylglutamin-
 393. yllysylvtyrptophyllleucylleucylglutaminylmethionylserylglycylarginylleucylv-
 394. alylalanylprolylaspartylleucylleucylglutaminylthreonylserylserylleucylgluta-
 395. mylthreonylisoleucylthreonylglutaminylglutaminylleucylalanylhistidylhisti-
 396. dyllsylvlalanylmethionylmethionylglutaminylglutaminylisoleucylalanylglycylphen-
 397. ylalanylglutaminylaspartylarginylleucylasparaginylasparaginylleucylglutamin-
 398. ylmethionyllsylvglycylaspartylthreonylleucylisoleucylglycylglutaminylcyst-
 399. einylalanylalanylalanylhistidylleucylglutaminylalanyllysylvleucyllysylvglutamin-
 400. ylasparaginyvalylhistidylalanylhistidylleucylglutaminylglycylthreonylls-
 401. ylaspartylseryltyrosylserylalanylisoleucylcysteinylserylthreonylalanylglu-
 402. taminylarginylmethionyltyrosylglutaminylserylleucylglutaminylhistidylglutamin-
 403. ylleucylglutaminyllysylvlhistidylvalylserylarginylglutaminylaspartylthreony-
 404. lleucylglutaminylglutaminylcysteinyglutaminylalanyltyrptophyllleucylseryl-

405. alanylvalylglutaminylprolylaspartylleucylglutamylprolylserylprolylglutami-
406. nylprolylprolylleucylserylarginylalanylglutamylalanylsoleucyllsylglutami-
407. nylvalyllsylhistidylphenylalanylarginylalanylleucylglutaminylglutamylgl-
408. utaminylalanylarginylthreonyltyrosylleucylaspartylleucylleucylcysteinylse-
409. rylmethionylcysteinylaspartylleucylserylasparginylalanylserylvalyllsylt-
410. hreonylthreonylalanyllsylaspartylsoleucylglutaminylglutaminylthreonylgl-
411. utamylglutaminylthreonylsoleucylglutamylglutaminyllysylleucylvalylglutam-
412. inylalanylglutaminylasparaginylleucylthreonylglutaminylglycyltryptophylgl-
413. utamylglutamylsoleucyllsylhistidylleucyllsylserylglutamylleucyltryptop-
414. hylsoleucyltyrosylleucylglutaminylaspartylalanylaspargylglutaminylglutam-
415. inylleucylglutaminylasparaginylmethionyllsylarginylarginylhistidylserylgl-
416. lutamylleucylglutamylleucylasparaginylsoleucylalanylglutaminylasparaginy-
417. lmetionylvalylserylglutaminylvalyllsylaspartylphenylalanylvalyllsyllys-
418. ylleucylglutaminylseryllsylglutaminylalanylserylvalylasparaginylthreonyl-
419. isoleucylisoleucylglutamyllsylvalylasparaginyllsylleucylthreonyllsylly-
420. sylglutamylglutamylserylprolylglutamylhistidyllsylglutamylsoleucylaspar-
421. aginylhistidylleucylasparaginylaspartylglutaminyltryptophylleucylaspartyl-
422. leucylcysteinylarginylglutaminylserylasparginylasparaginylleucylcysteiny-
423. lleucylglutaminylarginylglutamylglutamylaspartylleucylglutaminylarginylth-
424. reonylarginylaspartyltyrosylhistidylaspartylcysteinylmethionylasparaginyl-
425. valylvalylglutamylvalylphenylalanylleucylglutamyllsylphenylalanylthreony-
426. lthreonylglutamyltryptophylaspartylasparaginylleucylalanylarginylserylasp-
427. artylalanylglutamylserylthreonylalanylvalylhistidylleucylglutamylalanylle-
428. ucyllysyllysylleucylalanylleucylalanylleucylglutaminylglutamylarginyllsyl-
429. ltyrosylalanylsoleucylglutamylaspartylleucyllsylaspartylglutaminyllsyl-
430. glutaminyllsylmethionylsoleucylglutamylhistidylleucylasparaginylleucyla-
431. spartylaspartyllsylglutamylleucylvalyllsylglutamylglutaminylthreonylser-
432. ylhistidylleucylglutamylglutaminylarginyltryptophylphenylalanylglutaminyl-
433. leucylglutamylaspartylleucylisoleucyllsylarginyllsylsoleucylglutaminyl-
434. valylserylvalylthreonylasparaginylleucylglutamylglutamylleucylasparaginyl-
435. valylvalylglutaminylserylarginylphenylalanylglutaminylglutamylleucylmethi-
436. onylglutamyltryptophylalanylglutamylglutamylglutaminylglutaminylprolylasp-
437. araginylsoleucylalanylglutamylalanylleucyllsylglutaminylserylprolylprol-
438. ylprolylaspartylmethionylalanylglutaminylasparaginylleucylleucylmethionyl-
439. aspartylhistidylleucylalanylsoleucylcysteinylserylglutamylleucylglutamyl-
440. alanyllsylglutaminylmethionylleucylleucyllsylserylleucylisoleucyllsyla-
441. spartylalanylaspargylarginylvalylmethionylalanylaspargylleucylglycylleucy-
442. lasparaginylglutamylarginylglutaminylvalylsoleucylglutaminyllsylalanyll-
443. eucylserylaspargylalanylglutaminylserylhistidylvalylasparaginylcysteinyll-
444. eucylserylaspargylleucylvalylglycylglutaminylarginylarginyllsyltyrosylle-
445. ucylasparaginyllsylalanylleucylserylglutamyllsylthreonylglutaminylpheny-

446.lalanylleucylmethionylalanylvalylphenylalanylglyutaminyalanylthreonylsery-
 447. lglutaminylisoleucylglutaminylglyutaminyhistidylglutamylarginyllysylisole-
 448. ucylmethionylphenylalanylarginylglutamylhistidylisoleucylcysteinylleucyl-
 449.eucylprolylasparthylvalylseryllysylglutaminyvalyllysylthreonylcys-
 450. theinyllserylalanylglyutaminyalanylserylleucyllysylthreonyltyrosylglut-
 451. aminylasparaginylglyutamylvalylthreonylglycylleucyltryptophylalanylglytami-
 452. nylglycylarginylglutamylleucylmethionyllysylglutamylvalylthreonylglytami-
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 454. lglutamylleucylglutaminylserylvalyltyrosylasparthylserylvalylleucylglutaminy-
 455. nyllysylcysteinylserylhistidylarginylleucylglutaminyglutamylleucylglutaminy-
 456. yllysylasparaginylleucylvalylserylarginyllysylhistidylphenylalanyllysylgl-
 457. utamylasparthylphenylalanylasparthyllysylalanylcysteinyhistidyltryptophyl-
 458. leucyllysylglutaminyalanylasparthylisoleucylvalylthreonylphenylalanylproly-
 459.lglutamylisoleucylasparaginylleucylmethionylasparaginylglytaminylseryl-
 460. glutaminylleucylhistidylthreonylglytaminylleucylalanyllysyltyrosylglutaminy-
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 462. utamylasparaginylleucylleucylleucylthreonylleucylglutaminyarginylthreony-
 463.lglycylglutaminythreonylisoleucylleucylprolylserylleucylasparaginyglutami-
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 465. inylalanylleucylprolylarginylglutaminyphenylalanylasparaginyvalylisoleu-
 466. cylvalylalanylleucylalanyllysylasparthyllysylphenylalanyltyrosyllysylvalyl-
 467. glutaminylglutamylalanylisoleucylleucylalanylarginyllysylglutamyltyrosylal-
 468. lanylserylleucylisoleucylglutamylleucylthreonylthreonylglytaminylserylleu-
 469.cylserylglutamylleucylglutamylalanylglytaminylphenylalanylleucylarginylme-
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 471. aminylalanylleucylserylleucylglutaminylasparthylglycylcysteinyarginylalanyl-
 472. isoleucylleucylasparthylglutamylvalylalanylglycylleucylglycylglutamylalany-
 473.lvalylasparthylglutamylleucylasparaginylglytaminyllysyllysylglutamylglycyl-
 474. phenylalanylarginylserylthreonylglycylglutaminyprolyltryptophylglutaminy-
 475. lprolylasparthyllysylmethionylleucylhistidylleucylvalylthreonylleucyltyros-
 476. ylhistidylarginylleucyllysylarginylglutaminythreonylglytaminylglutaminyar-
 477. ginylvalylserylleucylleucylglutamylasparthylthreonylthreonylserylalanyltyr-
 478. osylglutaminyglutamylhistidylglutamyllysylmethionylcysteinyglutaminygl-
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 482. lleucylalanylglycylserylleucylglutaminylasparthylserylglycylisoleucylvalyl-
 483. leucyllysylarginylvalylthreonylisoleucylhistidylleucylglutamylasparthylleu-
 484. cylalanylprolylhistidylleucylasparthylprolylleucylalanyltyrosylglutamyllys-
 485. ylalanylarginylhistidylglutaminyisoleucylglutaminylseryltryptophylglutaminy-
 486. nylglycylglutamylleucyllysylleucylleucylthreonylserylalanylisoleucylglyc-

487. ylglu⁺amyl⁺threonylvalyl⁺threonylglu⁺amylcysteinylglu⁺amylserylarginylmethi-
 488. onylvalylglu⁺aminylserylisoleucylaspar⁺tylphenylalanylglu⁺aminyl⁺threonylg-
 489. u⁺amylmethionylserylarginylserylleucylaspar⁺tyl⁺tryptophyllleucylarginylargi-
 490. nylvalyllsyalanylglu⁺amylleucylserylglycylprolylvalyl⁺tyrosyllleucylaspar-
 491. tylleucylasparaginyllleucylglu⁺aminylaspar⁺tylisoleucylglu⁺aminylglu⁺amylgl-
 492. u⁺amylisoleucylarginyllsyalisoleucylglu⁺aminylisoleucylhistidylglu⁺aminy-
 493. glu⁺amylglu⁺amylvalylglu⁺aminylserylserylleucylarginylisoleucylmethionyla-
 494. sparaginyllalanyl⁺leucylserylhistidyllsyalglu⁺amyllsyalglu⁺amyllsyalphenyla-
 495. lanyl⁺threonyllsyalanyl⁺lysyalglu⁺amylleucylisoleucylserylalanyl⁺aspar⁺tylle-
 496. ucylglu⁺amylhistidylserylleucylalanylglu⁺amylleucylserylglu⁺amylleucylasp-
 497. ar⁺tylglycylaspar⁺tylisoleucylglu⁺aminylglu⁺amylalanyl⁺leucylarginyl⁺threonyl-
 498. arginylglu⁺aminyllalanyl⁺threonylleucyl⁺threonylglu⁺amylisoleucyl⁺tyrosylsery-
 499. lglu⁺aminylcysteinylglu⁺aminyllarginyl⁺tyrosyl⁺tyrosylglu⁺aminylvalylphenyla-
 500. lanylglu⁺aminyllalanyl⁺alanyl⁺asparaginyllaspar⁺tyl⁺tryptophyllleucylglu⁺amylasp-
 501. ar⁺tyllalanylglu⁺aminylglu⁺amylleucylleucylglu⁺aminyllleucylalanylglycylasp-
 502. raginylglycylleucylaspar⁺tylvalylglu⁺amylserylalanylglu⁺amylglu⁺amylaspara-
 503. ginyllleucyllsyal⁺serylhistidylmethionylglu⁺amylphenylalanylphenylalanylser-
 504. yl⁺threonylglu⁺amylaspar⁺tylglu⁺aminyllphenylalanylhistidylserylasparaginyll-
 505. eucylglu⁺amylglu⁺amylleucylhistidylserylleucylvalylalanyl⁺threonylleucylas-
 506. par⁺tylprolylleucylisoleucyllsyal⁺prolyl⁺threonylglycyllsyalglu⁺amylaspar⁺tyl-
 507. leucylglu⁺amylglu⁺aminyllsyalvalylalanyl⁺serylleucylglu⁺amylleucylarginyls-
 508. erylglu⁺aminyllarginylmethionylserylarginylaspar⁺tylserylglycylalanylglu⁺am-
 509. inylvalylaspar⁺tylleucylleucylglu⁺aminyllarginylcysteinyl⁺threonyllalanylglu⁺-
 510. aminyl⁺tryptophylhistidylaspar⁺tyl⁺tyrosylglu⁺aminyllsyalalanyl⁺arginylglu⁺am-
 511. ylglu⁺amylvalylisoleucylglu⁺amylleucylmethionylasparaginyllaspar⁺tyl⁺threony-
 512. lglu⁺amyllsyal⁺lysylleucylserylglu⁺amylphenylalanyl⁺serylleucylleucyllsyal⁺-
 513. hreonylserylserylserylhistidylglu⁺amylalanylglu⁺amylglu⁺amyllsyal⁺leucylse-
 514. rylglu⁺amylhistidyllsyalalanyl⁺leucylvalylserylvalylvalylasparaginyllseryl⁺-
 515. henylalanylhistidylglu⁺amyllsyalisoleucylvalylalanyl⁺leucylglu⁺amylglu⁺amy-
 516. llsyalalanyl⁺serylglu⁺aminyllleucylglu⁺amyllsyal⁺threonylglycylasparaginyllas-
 517. par⁺tyllalanyl⁺seryllsyalalanyl⁺threonylleucylserylarginylserylmethionyl⁺threo-
 518. nyl⁺threonylvalyl⁺tryptophylglu⁺aminyllarginyl⁺tryptophyl⁺threonyllarginylleucy-
 519. larginylalanylvalylalanylglu⁺aminyllaspar⁺tylglu⁺aminylglu⁺amyllsyalisoleuc-
 520. ylleucylglu⁺amylaspar⁺tyllalanylvalylaspar⁺tylglu⁺amyl⁺tryptophyl⁺threonylglyc-
 521. ylphenylalanyl⁺asparaginyllasparaginyllsyalvalyllsyalalanyl⁺threonylglu-
 522. ⁺amylmethionylisoleucylaspar⁺tylglu⁺aminyllleucylglu⁺aminyllaspar⁺tyllsyal⁺leu-
 523. cylprolylglycylserylserylalanylglu⁺amyllsyalalanyl⁺seryllsyalalanylglu⁺amy-
 524. lleucylleucyl⁺threonylleucylleucylglu⁺amyl⁺tyrosylhistidylaspar⁺tyl⁺threonyl⁺-
 525. henylalanylvalylleucylglu⁺amylleucylglu⁺amylglu⁺aminylglu⁺aminylglu⁺aminy-
 526. lserylalanyl⁺leucylglycylmethionylleucylarginylglu⁺aminylglu⁺aminyll⁺threony-
 527. lleucylserylmethionylleucylglu⁺aminyllaspar⁺tylglycylalanylalanylprolyl⁺thre-

528. onylprolylglycylglutamylglutamylprolylprolylleucylmethionylglutaminylglut-
529. amylisoleucylthreonylalanylmethionylglutaminylaspartylarginylcysteinyll-
530. cy lasparaginylmethionylglutaminylglutamyllsylvallylsylthreonylasparagin-
531. ylglycyllysylleucylvalyllysylglutaminylglutamylleucyllysylaspartylarginyl-
532. glutamylmethionylvalylglutamylthreonylglutaminylisoleucylasparaginylseryl-
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543. leucylglutaminyllysylleucylalanyllysylaspartylleucylthreonylthreonylisole-
544. ucyllleucylthreonyllsylvallylleucyllysylalanyllysylthreonylaspartylasparaginylv-
545. alylvalylglutaminylalanyllysylthreonylaspartylglutaminyllysylvalylleucylg-
546. lycylglutamylglutamylleucylaspartylglycylcysteiny lasparaginy lseryllysylle-
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553. onylleucylglutamylleucylisoleucylleucyllysyltrypophylisoleucylglutamyll-
554. sylalanyllysylvalylleucylalanylhistidylglycylthreonylisoleucylalanyltryp-
555. ophylasparaginy lserylalanylserylglutaminylleucylarginylglutamylglutaminyl-
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560. valylalanylglutamylleucylglycylarginylglutamylthreonylglutamylglutamylleu-
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562. y lasparaginy lleucylglutaminylaspartylalanylalanyllysylaspartylmethionylly-
563. syllysylphenylalanylglutamylalanylglutamylleucyllysyllysylleucylglutaminyl-
564. lalanylalanylleucylglutamylglutaminylalanylglutaminylalanylthreonylleucyl-
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567. glutamylmethionylglutamylserylleucyllysylprolyllysylvalylglutaminylalanyl-
568. valylglutaminylleucylcysteiny lglutaminylserylalanylleucylarginylisoleucyl-

569. prolylglycylamylaspartylvalylvalylalanylserylleucylprolylleucylcysteinyhis-
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610. thionylaspartylmethionylglutaminylleucylmethionylaspartylcy-
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 639. aminylthreonylcysteinyllleucylphenylalanylasparginyglutaminylglutaminylisole-
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 644. tylcysteinyllleucylleucylglycylarginylleucylserylleucylleucylaspartylseryl-
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 649. ucyllleucylglutaminyllysylleucylalanylasparginyvalylphenylalanylglutaminyl-
 650. glutaminylprolylvalylalanylglutaminylglutaminylisoleucylglutaminylalanylisole-

651. ucyIglu†aminyIglu†aminyIalanyIglu†amylaspar†ylglycyIleucyllysylglu†amylph-
 652. enylalanylaspar†ylalanyIglycylisoleucylisoleucylglu†amylleucyllysylarginy-
 653. IarginyIglycyIaspar†yllysylleucylglu†aminyIvalylglu†amylglu†aminyIprolyls-
 654. erylmethionylglu†aminyIglu†amylleucylseryllysylleucylglu†aminyIaspar†ylme-
 655. thionyl†tyrosylaspar†ylglu†amylleucylmethionylmethionylisoleucylisoleucylg-
 656. lycylserylarginylarginylserylglycyIleucylasparaginyIglu†aminyIasparaginyI-
 657. leucyl†threonylleucyllysylserylglu†aminyI†tyrosylglu†amylarginylalanylleucy-
 658. Iglu†aminyIaspar†ylleucylalanylaspar†ylleucylleucylglu†amyl†threonyIglycyI-
 659. glu†aminyIglu†amyllysylmethionylalanyIglycyIaspar†ylglu†aminyIlysylisoleu-
 660. cylisoleucylvalylserylseryllysylglu†amylglu†amylisoleucylglu†aminyIglu†am-
 661. inylleucylleucylaspar†yllysylhistidyllysylglu†amyl†tyrosylphenylalanyIglu†-
 662. aminyIglycyIleucylglu†amylserylhistidylmethionylisoleucylleucyl†threonyIgl-
 663. u†amyl†threonylleucylphenylalanyIarginyllysylisoleucylisoleucylserylphenyl-
 664. alanyIalanyIvalylglu†aminyIlysylglu†amyl†threonyIglu†aminyIphenylalanyIhis-
 665. tidyl†threonyIglu†amylleucylmethionylalanyIglu†aminyIalanyIserylalanyIvaly-
 666. lleucyllysylarginylalanyIhistidyllysylarginylglycyIvalylglu†amylleucylglu-
 667. †amyl†tyrosylisoleucylleucylglu†amyl†threonyI†tryptophylserylhistidylleucyla-
 668. spar†ylglu†amylaspar†ylglu†aminyIglu†aminyIglu†amylleucylserylarginylglu†-
 669. aminylleucylglu†amylvalylvalylglu†amylserylserylisoleucylprolylserylvalyl-
 670. glycyIleucylvalylglu†amylglu†amylasparaginyIglu†amylaspar†ylarginylleucyl-
 671. isoleucylaspar†ylarginylisoleucyl†threonylleucyl†tyrosylglu†aminyIhistidyl-
 672. leucyllysylserylserylleucylasparaginyIglu†amyl†tyrosylglu†aminyIprolyIlysyl-
 673. leucyl†tyrosylglu†aminyIvalylleucylaspar†ylaspar†ylglycyIlysylarginylleucy-
 674. lleucylisoleucylserylisoleucylserylcysteinylserylaspar†ylleucylglu†amylse-
 675. rylglu†aminyIleucylasparaginyIglu†aminyIleucylglycyIglu†amylcysteinyl†tryp-
 676. tophylleucylserylasparaginyI†threonylasparaginyIlysylmethionylseryllysylgl-
 677. u†amylleucylhistidylarginylleucylglu†amyl†threonylisoleucylleucyllysylhist-
 678. idyl†tryptophyl†threonyIarginyl†tyrosylglu†aminyIserylglu†amylserylalanyIasp-
 679. ar†ylleucylisoleucylhistidyl†tryptophylleucylglu†aminyIserylalanyIlysylasp-
 680. ar†ylarginylleucylglu†amylphenylalanyI†tryptophyl†threonyIglu†aminyIglu†ami-
 681. nylserylvalyl†threonyIvalylprolyIglu†aminyIglu†amylleucylglu†amylmethionyl-
 682. valylarginylaspar†ylhistidylleucylasparaginyIalanyIphenylalanylleucylglu†-
 683. amylphenylalanyIseryIlysylglu†amylvalylaspar†ylalanyIglu†aminyIserylseryl-
 684. leucyllysylserylserylvalylleucylseryl†threonyIglycyIasparaginyIglu†aminyI-
 685. leucylleucylarginylleucyllysyllysylvalylaspar†yl†threonyIalanyI†threonylleuc-
 686. ylarginylserylglu†amylleucylserylarginylisoleucylaspar†ylserylglu†aminyI†-
 687. ryp†trophyl†threonylaspar†ylleucylleucyl†threonylasparaginyIisoleucylprolyIal-
 688. anyIvalylglu†aminyIglu†amyllysylleucylhistidylglu†aminyIleucylglu†aminyIm-
 689. ethionylaspar†yllysylleucylprolylserylarginylhistidylalanylisoleucylseryl-
 690. glu†amylvalylmethionylseryl†tryptophylisoleucylserylleucylmethionylglu†amy-
 691. lasparaginyIvalylisoleucylglu†aminyIlysylaspar†ylglu†amylaspar†ylasparagi-

692. nylisoleucyllysylasparaginylserylisoleucylglycyltyrosyllsyalanylsoleuc-
693. ylhistidylglutamyltyrosylleucylglutaminyllysyltyrosyllsylglycylphenylala-
694. nyllysylisoleucylasparfyllisoleucylasparaginylcysteinyllsylglutaminylleuc-
695. ylthreonylvalylasparfyllphenylalanylvalylasparaginyglutaminylserylvalylle-
696. ucyglutaminylisoleucylserylserylglutaminylasparfyllvalylglutaminylseryllsy-
697. larginylserylaspargfyllsylthreonylasparfyllphenylalanylalanylglutaminylgluta-
698. minylleucylglycylalanylmethionylasparaginyllsylseryltryptophylglutaminyl-
699. isoleucylleucylglutaminylglycylleucylvalylthreonylglutaminyllysylisoleucylg-
700. lutaminylleucylleucylglutaminylglycylleucylleucylglutaminylseryltryptophylser-
701. ylglutaminyltyrosylglutaminylasparaginylasparaginylvalylglutaminylcysteinyll-
702. ucyllsylthreonyltryptophylphenylalanylglutaminylthreonylglutaminylglutaminyl-
703. lysylarginylleucyllysylglutaminylglutaminylhistidylarginylisoleucylglycyl-
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705. sparfyllcysteinyglutaminylasparfyllleucylglutaminylasparfyllleucylisoleucyllys-
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707. taminylasparaginyglycylleucylalanylleucylisoleucylglutaminylasparaginyll-
708. ysyllysylglutaminylasparfyllvalylserylserylisoleucylvalylmethionylserylthreo-
709. nylleucylarginylglutaminylleucylglycylglutaminylthreonyltryptophylalanylasp-
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716. asparaginyllleucylglutaminylasparfyllasparfyllleucylglutaminyllysylglutaminylg-
717. lutaminylarginylserylleucylglutaminyllysylphenylalanylglycylserylisoleucylt-
718. hreonylasparaginyglutaminylleucylleucyllysylglutaminylcysteinyllhistidylpro-
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724. anylserylthreonylvalylglutaminylglutaminylglutaminylglutaminylasparfyllargin-
725. ylthreonylasparaginyglutaminylleucylleucyllysyalanylalanylthreonylasparag-
726. inyllsylasparfyllisoleucylalanylaspargfyllasparfyllglutaminylvalylalanylthreon-
727. yltryptophylisoleucylglutaminylasparfyllcysteinylasparaginylasparfyllleucyl-
728. leucyllysylglycylleucylglycylthreonylvalyllsylasparfyllserylleucylphenyla-
729. lanylphenylalanylleucylhistidylglutaminylleucylglycylglutaminylglutaminylleuc-
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 742. asparaginylleucylasparaginyarginylhistidyltryptophylserylleucylisoleucyl-
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- 818.glutaminyllysylserylglutaminylprolylleucylaspartylalanylalanylisoleucylisoleuc-
- 819.ylglycylglutaminylglutaminylleucylaspartylglutaminylleucylarginylarginyltyros-
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- 855.aminylcysteinylglutaminylglycylphenylalanylhistidylglutaminylmethionylseryl-

856. histidylglycylleucylleucylleucylmethionylleucylglutamylasparaginy isoleuc-
857. ylasparfyllarginylarginyllysylasparaginyglutamylisoleucylvalylprolyl isole-
858. ucylasparfyllseryl asparaginylleucylasparfyllalanyglutamylisoleucylleucylglu-
859. utaminylasparfyllhistidylhistidyllsylvglutaminylleucylmethionylglutaminyl i-
860. soleucyllsylvhistidylglutamylleucylleucylglutamylserylglutaminylleucylarg-
861. inylvalylalanylserylleucylglutaminylasparfyllmethionylserylcysteinyglutam-
862. inylleucylleucylvalylasparaginyalanyglutamylglycylthreonylasparfyllcyste-
863. inylleucylglutamylalanyllsylvglutamyllysylvalylhistidylvalylisoleucylglyc-
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871. rginy lserylthreonyllsylvgllycylglycylserylasparfyllserylserylleucylserylglu-
872. t amylprolylglycylprolylglycylarginylserylglycylarginylglycylphenylalanyll-
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874. lutaminylleucylleucylleucylleucylleucylleucylisoleucylglycylleucylalanylc-
875. ysteinylleucylvalylprolylmethionylserylglutamylglutamylasparfylltyrosylser-
876. ylcysteinyalanylleucylserylasparaginy lasparaginyphenylalanylalanylargin-
877. ylserylphenylalanyllhistidylprolylmethionylleucylarginyltyrosylthreonylasp-
878. araginylglycylprolylprolylprolylleucine