

MolProbity Ramachandran analysis

3d0h.H.pdb, model 1



Source: 3D0H.H.pdb, model 1
 Amino acids: 1. ALA, 2. ARG, 3. ASP, 4. ASN, 5. ASP, 6. THR, 7. SER, 8. LEU, 9. ILE, 10. VAL, 11. MET, 12. PHE, 13. TRP, 14. GLY, 15. PRO, 16. LYS, 17. GLN, 18. ASP, 19. ASN, 20. THR, 21. SER, 22. LEU, 23. ILE, 24. VAL, 25. MET, 26. PHE, 27. TRP, 28. GLY, 29. PRO, 30. LYS, 31. GLN, 32. ASP, 33. ASN, 34. THR, 35. SER, 36. LEU, 37. ILE, 38. VAL, 39. MET, 40. PHE, 41. TRP, 42. GLY, 43. PRO, 44. LYS, 45. GLN, 46. ASP, 47. ASN, 48. THR, 49. SER, 50. LEU, 51. ILE, 52. VAL, 53. MET, 54. PHE, 55. TRP, 56. GLY, 57. PRO, 58. LYS, 59. GLN, 60. ASP, 61. ASN, 62. THR, 63. SER, 64. LEU, 65. ILE, 66. VAL, 67. MET, 68. PHE, 69. TRP, 70. GLY, 71. PRO, 72. LYS, 73. GLN, 74. ASP, 75. ASN, 76. THR, 77. SER, 78. LEU, 79. ILE, 80. VAL, 81. MET, 82. PHE, 83. TRP, 84. GLY, 85. PRO, 86. LYS, 87. GLN, 88. ASP, 89. ASN, 90. THR, 91. SER, 92. LEU, 93. ILE, 94. VAL, 95. MET, 96. PHE, 97. TRP, 98. GLY, 99. PRO, 100. LYS, 101. GLN, 102. ASP, 103. ASN, 104. THR, 105. SER, 106. LEU, 107. ILE, 108. VAL, 109. MET, 110. PHE, 111. TRP, 112. GLY, 113. PRO, 114. LYS, 115. GLN, 116. ASP, 117. ASN, 118. THR, 119. SER, 120. LEU, 121. ILE, 122. VAL, 123. MET, 124. PHE, 125. TRP, 126. GLY, 127. PRO, 128. LYS, 129. GLN, 130. ASP, 131. ASN, 132. THR, 133. SER, 134. LEU, 135. ILE, 136. VAL, 137. MET, 138. PHE, 139. TRP, 140. GLY, 141. PRO, 142. LYS, 143. GLN, 144. ASP, 145. ASN, 146. THR, 147. SER, 148. LEU, 149. ILE, 150. VAL, 151. MET, 152. PHE, 153. TRP, 154. GLY, 155. PRO, 156. LYS, 157. GLN, 158. ASP, 159. ASN, 160. THR, 161. SER, 162. LEU, 163. ILE, 164. VAL, 165. MET, 166. PHE, 167. TRP, 168. GLY, 169. PRO, 170. LYS, 171. GLN, 172. ASP, 173. ASN, 174. THR, 175. SER, 176. LEU, 177. ILE, 178. VAL, 179. MET, 180. PHE, 181. TRP, 182. GLY, 183. PRO, 184. LYS, 185. GLN, 186. ASP, 187. ASN, 188. THR, 189. SER, 190. LEU, 191. ILE, 192. VAL, 193. MET, 194. PHE, 195. TRP, 196. GLY, 197. PRO, 198. LYS, 199. GLN, 200. ASP, 201. ASN, 202. THR, 203. SER, 204. LEU, 205. ILE, 206. VAL, 207. MET, 208. PHE, 209. TRP, 210. GLY, 211. PRO, 212. LYS, 213. GLN, 214. ASP, 215. ASN, 216. THR, 217. SER, 218. LEU, 219. ILE, 220. VAL, 221. MET, 222. PHE, 223. TRP, 224. GLY, 225. PRO, 226. LYS, 227. GLN, 228. ASP, 229. ASN, 230. THR, 231. SER, 232. LEU, 233. ILE, 234. VAL, 235. MET, 236. PHE, 237. TRP, 238. GLY, 239. PRO, 240. LYS, 241. GLN, 242. ASP, 243. ASN, 244. THR, 245. SER, 246. LEU, 247. ILE, 248. VAL, 249. MET, 250. PHE, 251. TRP, 252. GLY, 253. PRO, 254. LYS, 255. GLN, 256. ASP, 257. ASN, 258. THR, 259. SER, 260. LEU, 261. ILE, 262. VAL, 263. MET, 264. PHE, 265. TRP, 266. GLY, 267. PRO, 268. LYS, 269. GLN, 270. ASP, 271. ASN, 272. THR, 273. SER, 274. LEU, 275. ILE, 276. VAL, 277. MET, 278. PHE, 279. TRP, 280. GLY, 281. PRO, 282. LYS, 283. GLN, 284. ASP, 285. ASN, 286. THR, 287. SER, 288. LEU, 289. ILE, 290. VAL, 291. MET, 292. PHE, 293. TRP, 294. GLY, 295. PRO, 296. LYS, 297. GLN, 298. ASP, 299. ASN, 300. THR, 301. SER, 302. LEU, 303. ILE, 304. VAL, 305. MET, 306. PHE, 307. TRP, 308. GLY, 309. PRO, 310. LYS, 311. GLN, 312. ASP, 313. ASN, 314. THR, 315. SER, 316. LEU, 317. ILE, 318. VAL, 319. MET, 320. PHE, 321. TRP, 322. GLY, 323. PRO, 324. LYS, 325. GLN, 326. ASP, 327. ASN, 328. THR, 329. SER, 330. LEU, 331. ILE, 332. VAL, 333. MET, 334. PHE, 335. TRP, 336. GLY, 337. PRO, 338. LYS, 339. GLN, 340. ASP, 341. ASN, 342. THR, 343. SER, 344. LEU, 345. ILE, 346. VAL, 347. MET, 348. PHE, 349. TRP, 350. GLY, 351. PRO, 352. LYS, 353. GLN, 354. ASP, 355. ASN, 356. THR, 357. SER, 358. LEU, 359. ILE, 360. VAL, 361. MET, 362. PHE, 363. TRP, 364. GLY, 365. PRO, 366. LYS, 367. GLN, 368. ASP, 369. ASN, 370. THR, 371. SER, 372. LEU, 373. ILE, 374. VAL, 375. MET, 376. PHE, 377. TRP, 378. GLY, 379. PRO, 380. LYS, 381. GLN, 382. ASP, 383. ASN, 384. THR, 385. SER, 386. LEU, 387. ILE, 388. VAL, 389. MET, 390. PHE, 391. TRP, 392. GLY, 393. PRO, 394. LYS, 395. GLN, 396. ASP, 397. ASN, 398. THR, 399. SER, 400. LEU, 401. ILE, 402. VAL, 403. MET, 404. PHE, 405. TRP, 406. GLY, 407. PRO, 408. LYS, 409. GLN, 410. ASP, 411. ASN, 412. THR, 413. SER, 414. LEU, 415. ILE, 416. VAL, 417. MET, 418. PHE, 419. TRP, 420. GLY, 421. PRO, 422. LYS, 423. GLN, 424. ASP, 425. ASN, 426. THR, 427. SER, 428. LEU, 429. ILE, 430. VAL, 431. MET, 432. PHE, 433. TRP, 434. GLY, 435. PRO, 436. LYS, 437. GLN, 438. ASP, 439. ASN, 440. THR, 441. SER, 442. LEU, 443. ILE, 444. VAL, 445. MET, 446. PHE, 447. TRP, 448. GLY, 449. PRO, 450. LYS, 451. GLN, 452. ASP, 453. ASN, 454. THR, 455. SER, 456. LEU, 457. ILE, 458. VAL, 459. MET, 460. PHE, 461. TRP, 462. GLY, 463. PRO, 464. LYS, 465. GLN, 466. ASP, 467. ASN, 468. THR, 469. SER, 470. LEU, 471. ILE, 472. VAL, 473. MET, 474. PHE, 475. TRP, 476. GLY, 477. PRO, 478. LYS, 479. GLN, 480. ASP, 481. ASN, 482. THR, 483. SER, 484. LEU, 485. ILE, 486. VAL, 487. MET, 488. PHE, 489. TRP, 490. GLY, 491. PRO, 492. LYS, 493. GLN, 494. ASP, 495. ASN, 496. THR, 497. SER, 498. LEU, 499. ILE, 500. VAL, 501. MET, 502. PHE, 503. TRP, 504. GLY, 505. PRO, 506. LYS, 507. GLN, 508. ASP, 509. ASN, 510. THR, 511. SER, 512. LEU, 513. ILE, 514. VAL, 515. MET, 516. PHE, 517. TRP, 518. GLY, 519. PRO, 520. LYS, 521. GLN, 522. ASP, 523. ASN, 524. THR, 525. SER, 526. LEU, 527. ILE, 528. VAL, 529. MET, 530. PHE, 531. TRP, 532. GLY, 533. PRO, 534. LYS, 535. GLN, 536. ASP, 537. ASN, 538. THR, 539. SER, 540. LEU, 541. ILE, 542. VAL, 543. MET, 544. PHE, 545. TRP, 546. GLY, 547. PRO, 548. LYS, 549. GLN, 550. ASP, 551. ASN, 552. THR, 553. SER, 554. LEU, 555. ILE, 556. VAL, 557. MET, 558. PHE, 559. TRP, 560. GLY, 561. PRO, 562. LYS, 563. GLN, 564. ASP, 565. ASN, 566. THR, 567. SER, 568. LEU, 569. ILE, 570. VAL, 571. MET, 572. PHE, 573. TRP, 574. GLY, 575. PRO, 576. LYS, 577. GLN, 578. ASP, 579. ASN, 580. THR, 581. SER, 582. LEU, 583. ILE, 584. VAL, 585. MET, 586. PHE, 587. TRP, 588. GLY, 589. PRO, 590. LYS, 591. GLN, 592. ASP, 593. ASN, 594. THR, 595. SER, 596. LEU, 597. ILE, 598. VAL, 599. MET, 600. PHE, 601. TRP, 602. GLY, 603. PRO, 604. LYS, 605. GLN, 606. ASP, 607. ASN, 608. THR, 609. SER, 610. LEU, 611. ILE, 612. VAL, 613. MET, 614. PHE, 615. TRP, 616. GLY, 617. PRO, 618. LYS, 619. GLN, 620. ASP, 621. ASN, 622. THR, 623. SER, 624. LEU, 625. ILE, 626. VAL, 627. MET, 628. PHE, 629. TRP, 630. GLY, 631. PRO, 632. LYS, 633. GLN, 634. ASP, 635. ASN, 636. THR, 637. SER, 638. LEU, 639. ILE, 640. VAL, 641. MET, 642. PHE, 643. TRP, 644. GLY, 645. PRO, 646. LYS, 647. GLN, 648. ASP, 649. ASN, 650. THR, 651. SER, 652. LEU, 653. ILE, 654. VAL, 655. MET, 656. PHE, 657. TRP, 658. GLY, 659. PRO, 660. LYS, 661. GLN, 662. ASP, 663. ASN, 664. THR, 665. SER, 666. LEU, 667. ILE, 668. VAL, 669. MET, 670. PHE, 671. TRP, 672. GLY, 673. PRO, 674. LYS, 675. GLN, 676. ASP, 677. ASN, 678. THR, 679. SER, 680. LEU, 681. ILE, 682. VAL, 683. MET, 684. PHE, 685. TRP, 686. GLY, 687. PRO, 688. LYS, 689. GLN, 690. ASP, 691. ASN, 692. THR, 693. SER, 694. LEU, 695. ILE, 696. VAL, 697. MET, 698. PHE, 699. TRP, 700. GLY, 701. PRO, 702. LYS, 703. GLN, 704. ASP, 705. ASN, 706. THR, 707. SER, 708. LEU, 709. ILE, 710. VAL, 711. MET, 712. PHE, 713. TRP, 714. GLY, 715. PRO, 716. LYS, 717. GLN, 718. ASP, 719. ASN, 720. THR, 721. SER, 722. LEU, 723. ILE, 724. VAL, 725. MET, 726. PHE, 727. TRP, 728. GLY, 729. PRO, 730. LYS, 731. GLN, 732. ASP, 733. ASN, 734. THR, 735. SER, 736. LEU, 737. ILE, 738. VAL, 739. MET, 740. PHE, 741. TRP, 742. GLY, 743. PRO, 744. LYS, 745. GLN, 746. ASP, 747. ASN, 748. THR, 749. SER, 750. LEU, 751. ILE, 752. VAL, 753. MET, 754. PHE, 755. TRP, 756. GLY, 757. PRO, 758. LYS, 759. GLN, 760. ASP, 761. ASN, 762. THR, 763. SER, 764. LEU, 765. ILE, 766. VAL, 767. MET, 768. PHE, 769. TRP, 770. GLY, 771. PRO, 772. LYS, 773. GLN, 774. ASP, 775. ASN, 776. THR, 777. SER, 778. LEU, 779. ILE, 780. VAL, 781. MET, 782. PHE, 783. TRP, 784. GLY, 785. PRO, 786. LYS, 787. GLN, 788. ASP, 789. ASN, 790. THR, 791. SER, 792. LEU, 793. ILE, 794. VAL, 795. MET, 796. PHE, 797. TRP, 798. GLY, 799. PRO, 800. LYS, 801. GLN, 802. ASP, 803. ASN, 804. THR, 805. SER, 806. LEU, 807. ILE, 808. VAL, 809. MET, 810. PHE, 811. TRP, 812. GLY, 813. PRO, 814. LYS, 815. GLN, 816. ASP, 817. ASN, 818. THR, 819. SER, 820. LEU, 821. ILE, 822. VAL, 823. MET, 824. PHE, 825. TRP, 826. GLY, 827. PRO, 828. LYS, 829. GLN, 830. ASP, 831. ASN, 832. THR, 833. SER, 834. LEU, 835. ILE, 836. VAL, 837. MET, 838. PHE, 839. TRP, 840. GLY, 841. PRO, 842. LYS, 843. GLN, 844. ASP, 845. ASN, 846. THR, 847. SER, 848. LEU, 849. ILE, 850. VAL, 851. MET, 852. PHE, 853. TRP, 854. GLY, 855. PRO, 856. LYS, 857. GLN, 858. ASP, 859. ASN, 860. THR, 861. SER, 862. LEU, 863. ILE, 864. VAL, 865. MET, 866. PHE, 867. TRP, 868. GLY, 869. PRO, 870. LYS, 871. GLN, 872. ASP, 873. ASN, 874. THR, 875. SER, 876. LEU, 877. ILE, 878. VAL, 879. MET, 880. PHE, 881. TRP, 882. GLY, 883. PRO, 884. LYS, 885. GLN, 886. ASP, 887. ASN, 888. THR, 889. SER, 890. LEU, 891. ILE, 892. VAL, 893. MET, 894. PHE, 895. TRP, 896. GLY, 897. PRO, 898. LYS, 899. GLN, 900. ASP, 901. ASN, 902. THR, 903. SER, 904. LEU, 905. ILE, 906. VAL, 907. MET, 908. PHE, 909. TRP, 910. GLY, 911. PRO, 912. LYS, 913. GLN, 914. ASP, 915. ASN, 916. THR, 917. SER, 918. LEU, 919. ILE, 920. VAL, 921. MET, 922. PHE, 923. TRP, 924. GLY, 925. PRO, 926. LYS, 927. GLN, 928. ASP, 929. ASN, 930. THR, 931. SER, 932. LEU, 933. ILE, 934. VAL, 935. MET, 936. PHE, 937. TRP, 938. GLY, 939. PRO, 940. LYS, 941. GLN, 942. ASP, 943. ASN, 944. THR, 945. SER, 946. LEU, 947. ILE, 948. VAL, 949. MET, 950. PHE, 951. TRP, 952. GLY, 953. PRO, 954. LYS, 955. GLN, 956. ASP, 957. ASN, 958. THR, 959. SER, 960. LEU, 961. ILE, 962. VAL, 963. MET, 964. PHE, 965. TRP, 966. GLY, 967. PRO, 968. LYS, 969. GLN, 970. ASP, 971. ASN, 972. THR, 973. SER, 974. LEU, 975. ILE, 976. VAL, 977. MET, 978. PHE, 979. TRP, 980. GLY, 981. PRO, 982. LYS, 983. GLN, 984. ASP, 985. ASN, 986. THR, 987. SER, 988. LEU, 989. ILE, 990. VAL, 991. MET, 992. PHE, 993. TRP, 994. GLY, 995. PRO, 996. LYS, 997. GLN, 998. ASP, 999. ASN, 1000. THR, 1001. SER, 1002. LEU, 1003. ILE, 1004. VAL, 1005. MET, 1006. PHE, 1007. TRP, 1008. GLY, 1009. PRO, 1010. LYS, 1011. GLN, 1012. ASP, 1013. ASN, 1014. THR, 1015. SER, 1016. LEU, 1017. ILE, 1018. VAL, 1019. MET, 1020. PHE, 1021. TRP, 1022. GLY, 1023. PRO, 1024. LYS, 1025. GLN, 1026. ASP, 1027. ASN, 1028. THR, 1029. SER, 1030. LEU, 1031. ILE, 1032. VAL, 1033. MET, 1034. PHE, 1035. TRP, 1036. GLY, 1037. PRO, 1038. LYS, 1039. GLN, 1040. ASP, 1041. ASN, 1042. THR, 1043. SER, 1044. LEU, 1045. ILE, 1046. VAL, 1047. MET, 1048. PHE, 1049. TRP, 1050. GLY, 1051. PRO, 1052. LYS, 1053. GLN, 1054. ASP, 1055. ASN, 1056. THR, 1057. SER, 1058. LEU, 1059. ILE, 1060. VAL, 1061. MET, 1062. PHE, 1063. TRP, 1064. GLY, 1065. PRO, 1066. LYS, 1067. GLN, 1068. ASP, 1069. ASN, 1070. THR, 1071. SER, 1072. LEU, 1073. ILE, 1074. VAL, 1075. MET, 1076. PHE, 1077. TRP, 1078. GLY, 1079. PRO, 1080. LYS, 1081. GLN, 1082. ASP, 1083. ASN, 1084. THR, 1085. SER, 1086. LEU, 1087. ILE, 1088. VAL, 1089. MET, 1090. PHE, 1091. TRP, 1092. GLY, 1093. PRO, 1094. LYS, 1095. GLN, 1096. ASP, 1097. ASN, 1098. THR, 1099. SER, 1100. LEU, 1101. ILE, 1102. VAL, 1103. MET, 1104. PHE, 1105. TRP, 1106. GLY, 1107. PRO, 1108. LYS, 1109. GLN, 1110. ASP, 1111. ASN, 1112. THR, 1113. SER, 1114. LEU, 1115. ILE, 1116. VAL, 1117. MET, 1118. PHE, 1119. TRP, 1120. GLY, 1121. PRO, 1122. LYS, 1123. GLN, 1124. ASP, 1125. ASN, 1126. THR, 1127. SER, 1128. LEU, 1129. ILE, 1130. VAL, 1131. MET, 1132. PHE, 1133. TRP, 1134. GLY, 1135. PRO, 1136. LYS, 1137. GLN, 1138. ASP, 1139. ASN, 1140. THR, 1141. SER, 1142. LEU, 1143. ILE, 1144. VAL, 1145. MET, 1146. PHE, 1147. TRP, 1148. GLY, 1149. PRO, 1150. LYS, 1151. GLN, 1152. ASP, 1153. ASN, 1154. THR, 1155. SER, 1156. LEU, 1157. ILE, 1158. VAL, 1159. MET, 1160. PHE, 1161. TRP, 1162. GLY, 1163. PRO, 1164. LYS, 1165. GLN, 1166. ASP, 1167. ASN, 1168. THR, 1169. SER, 1170. LEU, 1171. ILE, 1172. VAL, 1173. MET, 1174. PHE, 1175. TRP, 1176. GLY, 1177. PRO, 1178. LYS, 1179. GLN, 1180. ASP, 1181. ASN, 1182. THR, 1183. SER, 1184. LEU, 1185. ILE, 1186. VAL, 1187. MET, 1188. PHE, 1189. TRP, 1190. GLY, 1191. PRO, 1192. LYS, 1193. GLN, 1194. ASP, 1195. ASN, 1196. THR, 1197. SER, 1198. LEU, 1199. ILE, 1200. VAL, 1201. MET, 1202. PHE, 1203. TRP, 1204. GLY, 1205. PRO, 1206. LYS, 1207. GLN, 1208. ASP, 1209. ASN, 1210. THR, 1211. SER, 1212. LEU, 1213. ILE, 1214. VAL, 1215. MET, 1216. PHE, 1217. TRP, 1218. GLY, 1219. PRO, 1220. LYS, 1221. GLN, 1222. ASP, 1223. ASN, 1224. THR, 1225. SER, 1226. LEU, 1227. ILE, 1228. VAL, 1229. MET, 1230. PHE, 1231. TRP, 1232. GLY, 1233. PRO, 1234. LYS, 1235. GLN, 1236. ASP, 1237. ASN, 1238. THR, 1239. SER, 1240. LEU, 1241. ILE, 1242. VAL, 1243. MET, 1244. PHE, 1245. TRP, 1246. GLY, 1247. PRO, 1248. LYS, 1249. GLN, 1250. ASP, 1251. ASN, 1252. THR, 1253. SER, 1254. LEU, 1255. ILE, 1256. VAL, 1257. MET, 1258. PHE, 1259. TRP, 1260. GLY, 1261. PRO, 1262. LYS, 1263. GLN, 1264. ASP, 1265. ASN, 1266. THR, 1267. SER, 1268. LEU, 1269. ILE, 1270. VAL, 1271. MET, 1272. PHE, 1273. TRP, 1274. GLY, 1275. PRO, 1276. LYS, 1277. GLN, 1278. ASP, 1279. ASN, 1280. THR, 1281. SER, 1282. LEU, 1283. ILE, 1284. VAL, 1285. MET, 1286. PHE, 1287. TRP, 1288. GLY, 1289. PRO, 1290. LYS, 1291. GLN, 1292. ASP, 1293. ASN, 1294. THR, 1295. SER, 1296. LEU, 1297. ILE, 1298. VAL, 1299. MET, 1300. PHE, 1301. TRP, 1302. GLY, 1303. PRO, 1304. LYS, 1305. GLN, 1306. ASP, 1307. ASN, 1308. THR, 1309. SER, 1310. LEU, 1311. ILE, 1312. VAL, 1313. MET, 1314. PHE, 1315. TRP, 1316. GLY, 1317. PRO, 1318. LYS, 1319. GLN, 1320. ASP, 1321. ASN, 1322. THR, 1323. SER, 1324. LEU, 1325. ILE, 1326. VAL, 1327. MET, 1328. PHE, 1329. TRP, 1330. GLY, 1331. PRO, 1332. LYS, 1333. GLN, 1334. ASP, 1335. ASN, 1336. THR, 1337. SER, 1338. LEU, 1339. ILE, 1340. VAL, 1341. MET, 1342. PHE, 1343. TRP, 1344. GLY, 1345. PRO, 1346. LYS, 1347. GLN, 1348. ASP, 1349. ASN, 1350. THR, 1351. SER, 1352. LEU, 1353. ILE, 1354. VAL, 1355. MET, 1356. PHE, 1357. TRP, 1358. GLY, 1359. PRO, 1360. LYS, 1361. GLN, 1362. ASP, 1363. ASN, 1364. THR, 1365. SER, 1366. LEU, 1367. ILE, 1368. VAL, 1369. MET, 1370. PHE, 1371. TRP, 1372. GLY, 1373. PRO, 1374. LYS, 1375. GLN, 1376. ASP, 1377. ASN, 1378. THR, 1379. SER, 1380. LEU, 1381. ILE, 1382. VAL, 1383. MET, 1384. PHE, 1385. TRP, 1386. GLY, 1387. PRO, 1388. LYS, 1389. GLN, 1390. ASP, 1391. ASN, 1392. THR, 1393. SER, 1394. LEU, 1395. ILE, 1396. VAL, 1397. MET, 1398. PHE, 1399. TRP, 1400. GLY, 1401. PRO, 1402. LYS, 1403. GLN, 1404. ASP, 1405. ASN, 1406. THR, 1407. SER, 1408. LEU, 1409. ILE, 1410. VAL, 1411. MET, 1412. PHE, 1413. TRP, 1414. GLY, 1415. PRO, 1416. LYS, 1417. GLN, 1418. ASP, 1419. ASN, 1420. THR, 1421. SER, 1422. LEU, 1423. ILE, 1424. VAL, 1425. MET, 1426. PHE, 1427. TRP, 1428. GLY, 1429. PRO, 1430. LYS, 1431. GLN, 1432. ASP, 1433. ASN, 1434. THR, 1435. SER, 1436. LEU, 1437. ILE, 1438. VAL, 1439. MET, 1440. PHE, 1441. TRP, 1442. GLY, 1443. PRO, 1444. LYS, 1445. GLN, 1446. ASP, 1447. ASN, 1448. THR, 1449. SER, 1450. LEU, 1451. ILE, 1452. VAL, 1453. MET, 1454. PHE, 1455. TRP, 1456. GLY, 1457. PRO, 1458. LYS, 1459. GLN, 1460. ASP, 1461. ASN, 1462. THR, 1463. SER, 1464. LEU, 1465. ILE, 1466. VAL, 1467. MET, 1468. PHE, 1469. TRP, 1470. GLY, 1471. PRO, 1472. LYS, 1473. GLN, 1474. ASP, 1475. ASN, 1476. THR, 1477. SER, 1478. LEU, 1479. ILE, 1480. VAL, 1481. MET, 1482. PHE, 1483. TRP, 1484. GLY, 1485. PRO, 1486. LYS, 1487. GLN, 1488. ASP, 1489. ASN, 1490. THR, 1491. SER, 1492. LEU, 1493. ILE, 1494. VAL, 1495. MET, 1496. PHE, 1497. TRP, 1498. GLY, 1499. PRO, 1500. LYS, 1501. GLN, 1502. ASP, 1503. ASN, 1504. THR, 1505. SER, 1506. LEU, 1507. ILE, 1508. VAL, 1509. MET, 1510. PHE, 1511. TRP, 1512. GLY, 1513. PRO, 1514. LYS, 1515. GLN, 1516. ASP, 1517. ASN, 1518. THR, 1519. SER, 1520. LEU, 1521. ILE, 1522. VAL, 1523. MET, 1524. PHE, 1525. TRP, 1526. GLY, 1527. PRO, 1528. LYS, 1529. GLN, 1530. ASP, 1531. ASN, 1532. THR, 1533. SER, 1534. LEU, 1535. ILE, 1536. VAL, 1537. MET, 1538. PHE, 1539. TRP, 1540. GLY, 1541. PRO, 1542. LYS, 1543. GLN,