

Bio366, Test 2: KEY FOR THE ENZYME MATCHING SECTION

1. adenylate kinase
2. adenylosuccinate lyase
3. adenylosuccinate synthetase
4. adenine phosphoribosyltransferase (APRT)
5. adenosine deaminase (ADA)
6. amidophosphoribosyl transferase
7. aminotransferase
8. aspartate transcarbamoylase (ATCase)
9. carbamoyl-phosphate synthetase I (CPS-I)
10. carbamoyl-phosphate synthetase II (CPS-II)
11. carboxypeptidase A
12. carboxypeptidase B
13. catalase
14. CTP synthase
15. dihydrofolate reductase (DHFR)
16. dihydroorotase
17. dihydroorotate dehydrogenase
18. DNA gyrase
19. DNA ligase
20. DNA polymerase I (*E. coli*)
21. DNA polymerase II (*E. coli*)
22. DNA polymerase III (*E. coli*)
23. dUTP diphosphohydrolase (dUTPase)
24. guanylate kinase
25. glutamate decarboxylase (GAD)
26. glutamate dehydrogenase
27. glutamate-aspartate aminotransferase
28. glutamine synthetase
29. glutaredoxin
30. GMP synthetase
31. hypoxanthine-guanine phosphoribosyltransferase (HGPRT)
32. IMP cyclohydrolase
33. IMP dehydrogenase
34. inorganic pyrophosphatase
35. nitrate reductase
36. nitrite reductase
37. nitrogenase
38. nucleosidase
39. nucleotidase
40. nucleoside monophosphate kinase
41. nucleoside diphosphate kinase
42. nucleoside phosphorylase
43. phenylalanine hydroxylase
44. phosphoribosyltransferase
45. primase
46. purine nucleoside phosphorylase (PNP)
47. ribonucleotide reductase
48. ribose phosphate pyrophosphokinase
49. serine hydroxymethyl transferase
50. superoxide dismutase
51. thioredoxin
52. thioredoxin reductase
53. thymidylate synthase (TS)
54. topoisomerase
55. trypsin
56. UMP synthase
57. urate oxidase
58. xanthine oxidase