

- 1): FSP OMPH CHL4 AMPHx Pmp2 H2O = FSP OMPH CHL4 AMPHx Pmp2 Pg H2O
- 2): FSP OMPH CHL4 AMPHx Pmp2 Pg H2O = FSP OMPH CHL4 AMPHx Pg H2O
- 3): FSP OMPH CHL4 AMPHx Pg H2O = FSP OMPH CHL4 EPID AMPHx Pg H2O H2
- 4): FSP OMPH CHL4 EPID AMPHx Pg H2O H2 = FSP OMPH CHL4 EPID AMPHx H2O H2
- 5): FSP OMPH CHL4 EPID AMPHx H2O H2 = FSP OMPH CHL4 AMPHx H2O
- 6): FSP OMPH CHL4 AMPHx H2O = FSP OMPH CHL4 AMPHx FePa H2O
- 7): FSP OMPH CHL4 AMPHx FePa H2O = OLIVINEi FSP OMPH CHL4 AMPHx FePa H2O
- 8): OLIVINEi FSP OMPH CHL4 AMPHx FePa H2O = OLIVINEi FSP OMPH CHL4 AMPHx H2O
- 9): OLIVINEi FSP OMPH CHL4 AMPHx H2O = OLIVINEi FSP OMPH AMPHx H2O
- 10): FSP OMPH CHL4 AMPHx Pg H2O = FSP OMPH CHL4 EPID AMPHx H2O H2
- 11): OLIVINEi GARNET FSP OMPH CHL4 AMPHx H2O = OLIVINEi FSP OMPH CHL4 AMPHx H2O
- 12): OLIVINEi GARNET FSP OMPH CHL4 AMPHx H2O = OLIVINEi GARNET FSP OMPH AMPHx H2O
- 13): OLIVINEi GARNET FSP OMPH AMPHx H2O = OLIVINEi FSP OMPH AMPHx H2O
- 14): FSP (2)OMPH CHL4 AMPHx Pg H2O = FSP OMPH CHL4 AMPHx Pg H2O
- 15): FSP OMPH CHL4 AMPHx Pg H2O = FSP OMPH CHL4 AMPHx H2O
- 16): GARNET FSP OMPH CHL4 AMPHx FePa H2O = FSP OMPH CHL4 AMPHx FePa H2O
- 17): GARNET FSP OMPH CHL4 AMPHx FePa H2O = OLIVINEi GARNET FSP OMPH CHL4 AMPHx H2O
- 18): (2)OMPH CHL4 Lw Glc H2O = FSP (2)OMPH CHL4 Lw Glc H2O
- 19): FSP (2)OMPH CHL4 Lw Glc H2O = FSP (2)OMPH CHL4 Lw H2O
- 20): FSP (2)OMPH CHL4 Lw H2O = FSP OMPH CHL4 Lw Pg Glc H2O
- 21): FSP OMPH CHL4 Lw Pg Glc H2O = FSP OMPH CHL4 Pg Glc H2O
- 22): FSP OMPH CHL4 Pg Glc H2O = FSP OMPH CHL4 AMPHx Pg H2O
- 23): GARNET FSP OMPH CHL4 AMPHx H2O = FSP OMPH CHL4 AMPHx H2O
- 24): GARNET FSP OMPH CHL4 AMPHx H2O = GARNET FSP OMPH CHL4 AMPHx FePa H2O
- 25): OLIVINEi GARNET FSP OMPH CHL4 AMPHx H2O = OLIVINEi GARNET FSP OPX OMPH AMPHx H2O
- 26): (2)OMPH CHL4 Lw Glc H2O = (2)OMPH CHL4 Lw Pg Glc H2O
- 27): (2)OMPH CHL4 Lw Pg Glc H2O = OMPH CHL4 Lw Pg Glc H2O
- 28): OMPH CHL4 Lw Pg Glc H2O = OMPH CHL4 Pg Glc H2O
- 29): OMPH CHL4 Pg Glc H2O = FSP OMPH CHL4 Pg Glc H2O
- 30): FSP OMPH CHL4 Pg Glc H2O = FSP OMPH CHL4 Pg H2O
- 31): FSP OMPH CHL4 Pg H2O = FSP OMPH CHL4 AMPHx Pg H2O
- 32): FSP OMPH CHL4 AMPHx Pg H2O = GARNET FSP OMPH CHL4 AMPHx Pg H2O
- 33): GARNET FSP OMPH CHL4 AMPHx Pg H2O = GARNET FSP OMPH CHL4 AMPHx H2O
- 34): GARNET FSP OMPH CHL4 AMPHx H2O = GARNET FSP OPX OMPH CHL4 AMPHx H2O
- 35): GARNET FSP OPX OMPH CHL4 AMPHx H2O = OLIVINEi GARNET FSP OPX OMPH AMPHx H2O
- 36): (2)OMPH CHL4 Lw Glc H2O = OMPH CHL4 Lw Glc H2O
- 37): OMPH CHL4 Lw Glc H2O = OMPH CHL4 Lw Pg Glc H2O

- 38): OMPH CHL4 aQz Pg Glc H2O = OMPH CHL4 Pg Glc H2O
39): OMPH CHL4 aQz Pg Glc H2O = OMPH CHL4 aQz Pg H2O
40): OMPH CHL4 aQz Pg H2O = FSP OMPH CHL4 aQz Pg H2O
41): FSP OMPH CHL4 aQz Pg H2O = FSP OMPH CHL4 Pg H2O
42): GARNET FSP OPX OMPH CHL4 AMPHx H2O = GARNET FSP OPX OMPH AMPHx H2O
43): OMPH CHL4 Lw Pg Glc H2O = OMPH CHL4 Lw aQz Pg Glc H2O
44): OMPH CHL4 Lw aQz Pg Glc H2O = OMPH CHL4 aQz Pg Glc H2O
45): OMPH CHL4 aQz Pg H2O = OMPH CHL4 AMPHx aQz Pg H2O
46): OMPH CHL4 AMPHx aQz Pg H2O = FSP OMPH CHL4 AMPHx aQz Pg H2O
47): FSP OMPH CHL4 AMPHx aQz Pg H2O = GARNET FSP OMPH CHL4 AMPHx Pg H2O
48): OMPH CHL4 Lw Glc H2O = OMPH CHL4 Lw aQz Glc H2O
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51): OMPH CHL4 Lw aQz Pg H2O = OMPH CHL4 aQz Pg H2O
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54): GARNET OMPH CHL4 AMPHx aQz Pg H2O = GARNET OPX OMPH AMPHx aQz Pg H2O
55): GARNET OPX OMPH AMPHx aQz Pg H2O = GARNET FSP OMPH AMPHx aQz Pg H2O
56): GARNET FSP OMPH AMPHx aQz Pg H2O = GARNET FSP OMPH AMPHx aQz H2O
57): (3)OMPH CHL4 Lw Glc H2O = (2)OMPH CHL4 Lw Glc H2O
58): OMPH CHL4 Lw aQz Glc H2O = OMPH CHL4 Lw aQz H2O
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61): GARNET OMPH AMPHx aQz Pg Glc H2O = GARNET OMPH AMPHx aQz Pg H2O
62): OMPH CHL4 Lw aQz Pg H2O = GARNET OMPH CHL4 Lw aQz Pg H2O
63): GARNET OMPH CHL4 Lw aQz Pg H2O = GARNET OMPH CHL4 aQz Pg H2O
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67): OMPH CHL4 Lw aQz H2O = GARNET OMPH CHL4 Lw aQz H2O
68): GARNET OMPH CHL4 Lw aQz H2O = GARNET OMPH CHL4 CTOID Lw aQz H2O
69): GARNET OMPH CHL4 CTOID Lw aQz H2O = GARNET OMPH CHL4 CTOID aQz H2O
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75): GARNET OMPH AMPHx Pg H2O = GARNET OMPH AMPHx Pg Glc H2O
76): FSP (2)OMPH CHL4 AMPHx Lw H2O = FSP (2)OMPH CHL4 AMPHx Pg H2O

77): FSP (2)OMPH CHL4 Lw H2O = FSP (2)OMPH CHL4 AMPHx Lw H2O
 78): (2)OMPH CHL4 Lw Glc H2O = OMPH CHL4 Lw Pg Glc H2O
 79): OMPH CHL4 Lw Pg Glc H2O = (2)OMPH CHL4 Lw Glc H2O
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 81): OMPH CHL4 aQz Pg Glc H2O = FSP OMPH CHL4 aQz Pg Glc H2O
 82): FSP OMPH CHL4 AMPHx aQz Pg H2O = FSP OMPH CHL4 AMPHx Pg H2O
 83): FSP OMPH CHL4 AMPHx aQz Pg H2O = FSP OMPH CHL4 aQz Pg H2O
 84): OMPH CHL4 Lw aQz Pg H2O = OMPH CHL4 CTOID Lw aQz Pg H2O
 85): OMPH CHL4 CTOID Lw aQz H2O = OMPH CHL4 CTOID Lw aQz Pg H2O
 86): GARNET OMPH CHL4 CTOID Lw aQz H2O = OMPH CHL4 CTOID Lw aQz H2O
 87): OLIVINEi FSP OMPH CHL4 AMPHx FePa H2O = OLIVINEi GARNET FSP OMPH
 CHL4 AMPHx H2O
 88): GARNET OMPH CHL4 AMPHx aQz Pg H2O = GARNET FSP OMPH CHL4
 AMPHx Pg H2O
 89): OLIVINEi GARNET FSP OMPH AMPHx H2O = OLIVINEi GARNET FSP OPX
 OMPH AMPHx H2O
 90): GARNET FSP OPX OMPH AMPHx H2O = OLIVINEi GARNET FSP OPX OMPH
 AMPHx H2O
 91): GARNET FSP OPX OMPH AMPHx aQz H2O = GARNET FSP OPX OMPH
 AMPHx H2O
 92): GARNET FSP OPX OMPH AMPHx aQz H2O = GARNET FSP OMPH AMPHx aQz
 H2O
 93): GARNET OPX OMPH AMPHx aQz Pg H2O = GARNET OMPH AMPHx aQz Pg
 H2O
 94): FSP OMPH CHL4 AMPHx Pg H2O = GARNET FSP OMPH CHL4 AMPHx H2O
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 AMPHx aQz H2O
 96): GARNET FSP OMPH CHL4 AMPHx aQz H2O = GARNET FSP OPX OMPH CHL4
 AMPHx H2O
 97): OMPH CHL4 aQz Pg H2O = FSP OMPH CHL4 AMPHx aQz Pg H2O
 98): GARNET OMPH AMPHx aQz Pg Glc H2O = GARNET OPX OMPH AMPHx aQz
 Pg H2O
 99): OMPH CHL4 Lw aQz H2O = OMPH CHL4 CTOID Lw aQz H2O
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 104): FSP (2)OMPH CHL4 Lw H2O = FSP (2)OMPH CHL4 Lw Pg H2O
 105): GARNET FSP OMPH CHL4 AMPHx H2O = OLIVINEi GARNET FSP OMPH
 CHL4 AMPHx H2O
 106): OMPH CHL4 Lw Pg Glc H2O = OMPH CHL4 aQz Pg Glc H2O
 107): GARNET OPX OMPH AMPHx aQz Pg H2O = GARNET FSP OPX OMPH AMPHx
 aQz H2O
 108): OMPH CHL4 AMPHx aQz Pg H2O = GARNET OMPH CHL4 AMPHx aQz Pg H2O

 109): GARNET OMPH CHL4 AMPHx Pg H2O = GARNET OMPH CHL4 AMPHx aQz Pg
 H2O
 110): OMPH CHL4 CTOID Lw aQz Pg H2O = OMPH CHL4 CTOID aQz Pg H2O
 111): OMPH CHL4 CTOID aQz Pg H2O = GARNET OMPH CHL4 CTOID aQz Pg H2O

 112): OMPH CHL4 CTOID aQz H2O = OMPH CHL4 CTOID aQz Pg H2O
 113): OLIVINEi FSP OMPH CHL4 AMPHx H2O = OLIVINEi GARNET FSP OMPH
 AMPHx H2O
 114): FSP (2)OMPH CHL4 AMPHx Lw H2O = FSP OMPH CHL4 AMPHx Pg H2O
 115): FSP (2)OMPH CHL4 Lw Glc H2O = (2)OMPH CHL4 Lw Pg Glc H2O

116): GARNET FSP OMPH CHL4 AMPHx H2O = GARNET OMPH CHL4 AMPHx aQz Pg H2O
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120): GARNET OMPH CHL4 CTOID aQz Pg H2O = GARNET OMPH CHL4 Lw aQz Pg H2O
121): OMPH CHL4 CTOID Lw aQz Pg H2O = GARNET OMPH CHL4 Lw aQz Pg H2O
122): (2)OMPH CHL4 Lw Glc H2O = (2)OMPH CHL4 Lw Pg Glc H2O
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125): FSP (2)OMPH CHL4 Lw H2O = FSP OMPH CHL4 AMPHx Lw Pg H2O
126): FSP OMPH CHL4 Lw Pg H2O = FSP OMPH CHL4 AMPHx Lw Pg H2O
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132): FSP OMPH CHL4 aQz Pg H2O = OMPH CHL4 aQz Pg Glc H2O
133): GARNET OPX OMPH AMPHx Pg H2O = GARNET FSP OPX OMPH AMPHx aQz H2O
134): OMPH CHL4 Lw aQz Glc H2O = OMPH CHL4 Lw aQz Pg H2O
135): FSP (2)OMPH CHL4 Lw Pg H2O = FSP (2)OMPH CHL4 Lw H2O
136): FSP (2)OMPH CHL4 Lw Pg H2O = FSP OMPH CHL4 Lw Pg H2O
137): GARNET FSP OMPH CHL4 AMPHx H2O = OLIVINEi GARNET FSP OPX OMPH AMPHx H2O
138): OMPH CHL4 Lw Pg Glc H2O = (2)OMPH CHL4 Lw Glc H2O
139): OMPH CHL4 Lw Glc H2O = OMPH CHL4 Lw aQz Pg Glc H2O
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144): FSP (2)OMPH CHL4 AMPHx Lw H2O = FSP OMPH CHL4 AMPHx Lw Pg H2O
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146): FSP (2)OMPH CHL4 Lw Glc H2O = OMPH CHL4 Lw Pg Glc H2O
147): FSP (2)OMPH CHL4 Lw Pg H2O = FSP OMPH CHL4 Lw Pg Glc H2O
148): FSP (2)OMPH CHL4 Lw H2O = FSP (2)OMPH CHL4 Lw Pg H2O
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152): GARNET OMPH CHL4 AMPHx aQz Pg H2O = GARNET FSP OPX OMPH CHL4 AMPHx H2O
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154): GARNET OMPH CHL4 AMPHx aQz Pg H2O = GARNET OPX OMPH AMPHx Pg H2O
155): OMPH CHL4 CTOID Lw aQz Pg H2O = GARNET OMPH CHL4 CTOID aQz Pg H2O
156): FSP (2)OMPH CHL4 Lw Pg H2O = FSP OMPH CHL4 AMPHx Lw Pg H2O
157): FSP OMPH CHL4 aQz Pg Glc H2O = FSP OMPH CHL4 aQz Pg H2O