| md | prot | met | anion | prep | 0 | ABCD | md |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| md001 | 1a8e | FE3 | COA | ✓ | ✓ | ✓ |  |  |
| md002 | 1a8e | FE3 | COB | ✓ | ✓ | ✓ |  |  |
| md003 | 1a8e | FE3 | COC | ✓ | ✓ | ✓ |  |  |
| md004 | 1a8e | V3 | COA | ✓ | ✓ | ✓ |  |  |
| md005 | 1a8e | V3 | COB | ✓ | ✓ | ✓ |  |  |
| md006 | 1a8e | V3 | COC | ✓ | ✓ | ✓ |  |  |
| md007 | 1ryo | FE3 | COA | ✓ | ✓ | ✓ |  |  |
| md008 | 1ryo | FE3 | COB | ✓ | ✓ | ✓ |  |  |
| md009 | 1ryo | FE3 | COC | ✓ | ✓ | ✓ |  |  |
| md010 | 1ryo | V3 | COA | ✓ | ✓ | ✓ |  |  |
| md011 | 1ryo | V3 | COB | ✓ | ✓ | ✓ |  |  |
| md012 | 1ryo | V3 | COC | ✓ | ✓ | ✓ |  |  |
| md013 | 1a8e | FE3 | SO4 | ✓ | ✓ | ✓ |  |  |
| md014 | 1a8e | V3 | SO4 | ✓ | ✓ | ✓ |  |  |
| md015 | 1ryo | FE3 | SO4 | ✓ | ✓ | ✓ |  |  |
| md016 | 1ryo | V3 | SO4 | ✓ | ✓ | ✓ |  |  |
| md017 | 1a8e | FE3 | HPO | ✓ | ✓ | ✓ |  |  |
| md018 | 1a8e | FE3 | H2P | ✓ | ✓ | ✓ |  |  |
| md019 | 1a8e | V3 | HPO | ✓ | ✓ | ✓ |  |  |
| md020 | 1a8e | V3 | H2P | ✓ | ✓ | ✓ |  |  |
| md021 | 1ryo | FE3 | HPO | ✓ | ✓ | ✓ |  |  |
| md022 | 1ryo | FE3 | H2P | ✓ | ✓ | ✓ |  |  |
| md023 | 1ryo | V3 | HPO | ✓ | ✓ | ✓ |  |  |
| md024 | 1ryo | V3 | H2P | ✓ | ✓ | ✓ |  |  |
| md025 | 1a8e | FE3 | NO3 | ✓ | ✓ | ✓ |  |  |
| md026 | 1a8e | V3 | NO3 | ✓ | ✓ | ✓ |  |  |
| md027 | 1ryo | FE3 | NO3 | ✓ | ✓ | ✓ |  |  |
| md028 | 1ryo | V3 | NO3 | ✓ | ✓ | ✓ |  |  |
| md029 | 1bp5 | FE3 | COA | ✓ | ✓ | ✓ |  |  |
| md030 | 1bp5 | FE3 | COB | ✓ | ✓ | ✓ |  |  |
| md031 | 1bp5 | FE3 | COC | ✓ | ✓ | ✓ |  |  |
| md032 | 1bp5 | V3 | COA | ✓ | ✓ | ✓ |  |  |
| md033 | 1bp5 | V3 | COB | ✓ | ✓ | ✓ |  |  |
| md034 | 1bp5 | V3 | COC | ✓ | ✓ | ✓ |  |  |
| md035 | 1bp5 | FE3 | SO4 | ✓ | ✓ | ✓ |  |  |
| md036 | 1bp5 | V3 | SO4 | ✓ | ✓ | ✓ |  |  |
| md037 | 1bp5 | FE3 | HPO | ✓ | ✓ | ✓ |  |  |
| md038 | 1bp5 | FE3 | H2P | ✓ | ✓ | ✓ |  |  |
| md039 | 1bp5 | V3 | HPO | ✓ | ✓ | ✓ |  |  |
| md040 | 1bp5 | V3 | H2P | ✓ | ✓ | ✓ |  |  |
| md041 | 1bp5 | FE3 | NO3 | ✓ | ✓ | ✓ |  |  |
| md042 | 1bp5 | V3 | NO3 | ✓ | ✓ | ✓ |  |  |
| md043 | 1a8e | VO | COA | ✓ |  |  |  |  |
| md044 | 1a8e | VO | COB | ✓ |  |  |  |  |
| md045 | 1a8e | VO | COC | ✓ |  |  |  |  |
| md046 | 1ryo | VO | COA | ✓ |  |  |  |  |
| md047 | 1ryo | VO | COB | ✓ |  |  |  |  |
| md048 | 1ryo | VO | COC | ✓ |  |  |  |  |
| md049 | 1a8e | VO | SO4 | ✓ |  |  |  |  |
| md050 | 1ryo | VO | SO4 | ✓ |  |  |  |  |
| md051 | 1a8e | VO | HPO | ✓ |  |  |  |  |
| md052 | 1a8e | VO | H2P | ✓ |  |  |  |  |
| md053 | 1ryo | VO | HPO | ✓ |  |  |  |  |
| md054 | 1ryo | VO | H2P | ✓ |  |  |  |  |
| md055 | 1a8e | VO | NO3 | ✓ |  |  |  |  |
| md056 | 1ryo | VO | NO3 | ✓ |  |  |  |  |
| md057 | 1bp5 | VO | COA | ✓ |  |  |  |  |
| md058 | 1bp5 | VO | COB | ✓ |  |  |  |  |
| md059 | 1bp5 | VO | COC | ✓ |  |  |  |  |
| md060 | 1bp5 | VO | SO4 | ✓ |  |  |  |  |
| md061 | 1bp5 | VO | HPO | ✓ |  |  |  |  |
| md062 | 1bp5 | VO | H2P | ✓ |  |  |  |  |
| md063 | 1bp5 | VO | NO3 | ✓ |  |  |  |  |
| md064 | 1a8e | FE | AC1 | ✓ |  |  |  | AC1\_2 |
| md065 | 1bp5 | FE | AC1 | ✓ |  |  |  | AC1\_2 |
| md066 | 1ryo | FE | AC1 | ✓ |  |  |  | AC1\_2 |
| md067 | 1a8e | FE | AC1 | ✓ |  |  |  | AC1\_3 |
| md068 | 1bp5 | FE | AC1 | ✓ |  |  |  | AC1\_3 |
| md069 | 1ryo | FE | AC1 | ✓ |  |  |  | AC1\_3 |
| md070 | 1a8e | FE | AC1 | ✓ |  |  |  | AC1\_1 |
| md071 | 1bp5 | FE | AC1 | ✓ |  |  |  | AC1\_1 |
| md072 | 1ryo | FE | AC1 | ✓ |  |  |  | AC1\_1 |
| md073 | 1a8e | V3 | AC1 | ✓ |  |  |  | AC1\_2 |
| md074 | 1bp5 | V3 | AC1 | ✓ |  |  |  | AC1\_2 |
| md075 | 1ryo | V3 | AC1 | ✓ |  |  |  | AC1\_2 |
| md076 | 1a8e | V3 | AC1 | ✓ |  |  |  | AC1\_3 |
| md077 | 1bp5 | V3 | AC1 | ✓ |  |  |  | AC1\_3 |
| md078 | 1ryo | V3 | AC1 | ✓ |  |  |  | AC1\_3 |
| md079 | 1a8e | V3 | AC1 | ✓ |  |  |  | AC1\_1 |
| md080 | 1bp5 | V3 | AC1 | ✓ |  |  |  | AC1\_1 |
| md081 | 1ryo | V3 | AC1 | ✓ |  |  |  | AC1\_1 |
| md082 | 1a8e | VO | AC1 | ✓ |  |  |  | AC1\_2 |
| md083 | 1bp5 | VO | AC1 | ✓ |  |  |  | AC1\_2 |
| md084 | 1ryo | VO | AC1 | ✓ |  |  |  | AC1\_2 |
| md085 | 1a8e | VO | AC1 | ✓ |  |  |  | AC1\_3 |
| md086 | 1bp5 | VO | AC1 | ✓ |  |  |  | AC1\_3 |
| md087 | 1ryo | VO | AC1 | ✓ |  |  |  | AC1\_3 |
| md088 | 1a8e | VO | AC1 | ✓ |  |  |  | AC1\_1 |
| md089 | 1bp5 | VO | AC1 | ✓ |  |  |  | AC1\_1 |
| md090 | 1ryo | VO | AC1 | ✓ |  |  |  | AC1\_1 |
| md091 | 1a8e | FE | CIT | ✓ |  |  |  | cit2 2 |
| md092 | 1bp5 | FE | CIT | ✓ |  |  |  | cit2 2 |
| md093 | 1ryo | FE | CIT | ✓ |  |  |  | cit2 2 |
| md094 | 1a8e | FE | CIT | ✓ |  |  |  | cit2 1 |
| md095 | 1bp5 | FE | CIT | ✓ |  |  |  | cit2 1 |
| md096 | 1ryo | FE | CIT | ✓ |  |  |  | cit2 1 |
| md097 | 1a8e | V3 | CIT | ✓ |  |  |  | cit2 2 |
| md098 | 1bp5 | V3 | CIT | ✓ |  |  |  | cit2 2 |
| md099 | 1ryo | V3 | CIT | ✓ |  |  |  | cit2 2 |
| md100 | 1a8e | V3 | CIT | ✓ |  |  |  | cit2 1 |
| md101 | 1bp5 | V3 | CIT | ✓ |  |  |  | cit2 1 |
| md102 | 1ryo | V3 | CIT | ✓ |  |  |  | cit2 1 |
| md103 | 1a8e | VO | CIT | ✓ |  |  |  | cit2 2 |
| md104 | 1bp5 | VO | CIT | ✓ |  |  |  | cit2 2 |
| md105 | 1ryo | VO | CIT | ✓ |  |  |  | cit2 2 |
| md106 | 1a8e | VO | CIT | ✓ |  |  |  | cit2 1 |
| md107 | 1bp5 | VO | CIT | ✓ |  |  |  | cit2 1 |
| md108 | 1ryo | VO | CIT | ✓ |  |  |  | cit2 1 |
| md109 | 1a8e | FE | CIT | ✓ |  |  |  | cit3 2 |
| md110 | 1bp5 | FE | CIT | ✓ |  |  |  | cit3 2 |
| md111 | 1ryo | FE | CIT | ✓ |  |  |  | cit3 2 |
| md112 | 1a8e | FE | CIT | ✓ |  |  |  | cit3 1 |
| md113 | 1bp5 | FE | CIT | ✓ |  |  |  | cit3 1 |
| md114 | 1ryo | FE | CIT | ✓ |  |  |  | cit3 1 |
| md115 | 1a8e | V3 | CIT | ✓ |  |  |  | cit3 2 |
| md116 | 1bp5 | V3 | CIT | ✓ |  |  |  | cit3 2 |
| md117 | 1ryo | V3 | CIT | ✓ |  |  |  | cit3 2 |
| md118 | 1a8e | V3 | CIT | ✓ |  |  |  | cit3 1 |
| md119 | 1bp5 | V3 | CIT | ✓ |  |  |  | cit3 1 |
| md120 | 1ryo | V3 | CIT | ✓ |  |  |  | cit3 1 |
| md121 | 1a8e | VO | CIT | ✓ |  |  |  | cit3 2 |
| md122 | 1bp5 | VO | CIT | ✓ |  |  |  | cit3 2 |
| md123 | 1ryo | VO | CIT | ✓ |  |  |  | cit3 2 |
| md124 | 1a8e | VO | CIT | ✓ |  |  |  | cit3 1 |
| md125 | 1bp5 | VO | CIT | ✓ |  |  |  | cit3 1 |
| md126 | 1ryo | VO | CIT | ✓ |  |  |  | cit3 1 |
| md127 | 1a8e | FE | H2O | ✓ |  |  |  | h2oda 2 |
| md128 | 1bp5 | FE | H2O | ✓ |  |  |  | h2oda 2 |
| md129 | 1ryo | FE | H2O | ✓ |  |  |  | h2oda 2 |
| md130 | 1a8e | FE | H2O | ✓ |  |  |  | h2oda 1 |
| md131 | 1bp5 | FE | H2O | ✓ |  |  |  | h2oda 1 |
| md132 | 1ryo | FE | H2O | ✓ |  |  |  | h2oda 1 |
| md133 | 1a8e | V3 | H2O | ✓ |  |  |  | h2oda 2 |
| md134 | 1bp5 | V3 | H2O | ✓ |  |  |  | h2oda 2 |
| md135 | 1ryo | V3 | H2O | ✓ |  |  |  | h2oda 2 |
| md136 | 1a8e | V3 | H2O | ✓ |  |  |  | h2oda 1 |
| md137 | 1bp5 | V3 | H2O | ✓ |  |  |  | h2oda 1 |
| md138 | 1ryo | V3 | H2O | ✓ |  |  |  | h2oda 1 |
| md139 | 1a8e | VO | H2O | ✓ |  |  |  | h2oda 2 |
| md140 | 1bp5 | VO | H2O | ✓ |  |  |  | h2oda 2 |
| md141 | 1ryo | VO | H2O | ✓ |  |  |  | h2oda 2 |
| md142 | 1a8e | VO | H2O | ✓ |  |  |  | h2oda 1 |
| md143 | 1bp5 | VO | H2O | ✓ |  |  |  | h2oda 1 |
| md144 | 1ryo | VO | H2O | ✓ |  |  |  | h2oda 1 |
| md145 | 1a8e | FE | HAC | ✓ |  |  |  | hacac 3 |
| md146 | 1bp5 | FE | HAC | ✓ |  |  |  | hacac 3 |
| md147 | 1ryo | FE | HAC | ✓ |  |  |  | hacac 3 |
| md148 | 1a8e | V3 | HAC | ✓ |  |  |  | hacac 2 |
| md149 | 1bp5 | V3 | HAC | ✓ |  |  |  | hacac 2 |
| md150 | 1ryo | V3 | HAC | ✓ |  |  |  | hacac 2 |
| md151 | 1a8e | V3 | HAC | ✓ |  |  |  | hacac |
| md152 | 1bp5 | V3 | HAC | ✓ |  |  |  | hacac |
| md153 | 1ryo | V3 | HAC | ✓ |  |  |  | hacac |
| md154 | 1a8e | VO | HAC | ✓ |  |  |  | hacac 3 |
| md155 | 1bp5 | VO | HAC | ✓ |  |  |  | hacac 3 |
| md156 | 1ryo | VO | HAC | ✓ |  |  |  | hacac 3 |
| md157 | 1a8e | FE | HAC | ✓ |  |  |  | hacac 2 |
| md158 | 1bp5 | FE | HAC | ✓ |  |  |  | hacac 2 |
| md159 | 1ryo | FE | HAC | ✓ |  |  |  | hacac 2 |
| md160 | 1a8e | FE | HAC | ✓ |  |  |  | hacac |
| md161 | 1bp5 | FE | HAC | ✓ |  |  |  | hacac |
| md162 | 1ryo | FE | HAC | ✓ |  |  |  | hacac |
| md163 | 1a8e | V3 | HAC | ✓ |  |  |  | hacac 3 |
| md164 | 1bp5 | V3 | HAC | ✓ |  |  |  | hacac 3 |
| md165 | 1ryo | V3 | HAC | ✓ |  |  |  | hacac 3 |
| md166 | 1a8e | VO | HAC | ✓ |  |  |  | hacac 2 |
| md167 | 1bp5 | VO | HAC | ✓ |  |  |  | hacac 2 |
| md168 | 1ryo | VO | HAC | ✓ |  |  |  | hacac 2 |
| md169 | 1a8e | VO | HAC | ✓ |  |  |  | hacac |
| md170 | 1bp5 | VO | HAC | ✓ |  |  |  | hacac |
| md171 | 1ryo | VO | HAC | ✓ |  |  |  | hacac |
| md172 | 1a8e | FE3 | H1O | ✓ |  |  |  | hoda 2 |
| md173 | 1bp5 | FE3 | H1O | ✓ |  |  |  | hoda 2 |
| md174 | 1ryo | FE3 | H1O | ✓ |  |  |  | hoda 2 |
| md175 | 1a8e | FE3 | H1O | ✓ |  |  |  | hoda 1 |
| md176 | 1bp5 | FE3 | H1O | ✓ |  |  |  | hoda 1 |
| md177 | 1ryo | FE3 | H1O | ✓ |  |  |  | hoda 1 |
| md178 | 1a8e | V3 | H1O | ✓ |  |  |  | hoda 2 |
| md179 | 1bp5 | V3 | H1O | ✓ |  |  |  | hoda 2 |
| md180 | 1ryo | V3 | H1O | ✓ |  |  |  | hoda 2 |
| md181 | 1a8e | V3 | H1O | ✓ |  |  |  | hoda 1 |
| md182 | 1bp5 | V3 | H1O | ✓ |  |  |  | hoda 1 |
| md183 | 1ryo | V3 | H1O | ✓ |  |  |  | hoda 1 |
| md184 |  |  |  |  |  |  |  |  |
| md185 |  |  |  |  |  |  |  |  |
| md186 |  |  |  |  |  |  |  |  |
| md187 | 1a8e | VO | H1O | ✓ |  |  |  | hoda 2 |
| md188 | 1bp5 | VO | H1O | ✓ |  |  |  | hoda 2 |
| md189 | 1ryo | VO | H1O | ✓ |  |  |  | hoda 2 |
| md190 | 1a8e | VO | H1O | ✓ |  |  |  | hoda 1 |
| md191 | 1bp5 | VO | H1O | ✓ |  |  |  | hoda 1 |
| md192 | 1ryo | VO | H1O | ✓ |  |  |  | hoda 1 |
| md193 | 1a8e | FE | LAC | ✓ |  |  |  | lac 1 |
| md194 | 1bp5 | FE | LAC | ✓ |  |  |  | lac 1 |
| md195 | 1ryo | FE | LAC | ✓ |  |  |  | lac 1 |
| md196 | 1a8e | FE | LAC | ✓ |  |  |  | lac 2 |
| md197 | 1bp5 | FE | LAC | ✓ |  |  |  | lac 2 |
| md198 | 1ryo | FE | LAC | ✓ |  |  |  | lac 2 |
| md199 | 1a8e | V3 | LAC | ✓ |  |  |  | lac 1 |
| md200 | 1bp5 | V3 | LAC | ✓ |  |  |  | lac 1 |
| md201 | 1ryo | V3 | LAC | ✓ |  |  |  | lac 1 |
| md202 | 1a8e | V3 | LAC | ✓ |  |  |  | lac 2 |
| md203 | 1bp5 | V3 | LAC | ✓ |  |  |  | lac 2 |
| md204 | 1ryo | V3 | LAC | ✓ |  |  |  | lac 2 |
| md205 | 1a8e | VO | LAC | ✓ |  |  |  | lac 1 |
| md206 | 1bp5 | VO | LAC | ✓ |  |  |  | lac 1 |
| md207 | 1ryo | VO | LAC | ✓ |  |  |  | lac 1 |
| md208 | 1a8e | VO | LAC | ✓ |  |  |  | lac 2 |
| md209 | 1bp5 | VO | LAC | ✓ |  |  |  | lac 2 |
| md210 | 1ryo | VO | LAC | ✓ |  |  |  | lac 2 |
| md211 | 1a8e | FE | ODA | ✓ |  |  |  | oda fac w2 |
| md212 | 1bp5 | FE | ODA | ✓ |  |  |  | oda fac w2 |
| md213 | 1ryo | FE | ODA | ✓ |  |  |  | oda fac w2 |
| md214 | 1a8e | FE | ODA | ✓ |  |  |  | oda fac w3 |
| md215 | 1bp5 | FE | ODA | ✓ |  |  |  | oda fac w3 |
| md216 | 1ryo | FE | ODA | ✓ |  |  |  | oda fac w3 |
| md217 | 1a8e | FE | ODA | ✓ |  |  |  | oda mer w2 |
| md218 | 1bp5 | FE | ODA | ✓ |  |  |  | oda mer w2 |
| md219 | 1ryo | FE | ODA | ✓ |  |  |  | oda mer w2 |
| md220 | 1a8e | FE | ODA | ✓ |  |  |  | oda mer w3 |
| md221 | 1bp5 | FE | ODA | ✓ |  |  |  | oda mer w3 |
| md222 | 1ryo | FE | ODA | ✓ |  |  |  | oda mer w3 |
| md223 | 1a8e | V3 | ODA | ✓ |  |  |  | oda fac w2 |
| md224 | 1bp5 | V3 | ODA | ✓ |  |  |  | oda fac w2 |
| md225 | 1ryo | V3 | ODA | ✓ |  |  |  | oda fac w2 |
| md226 | 1a8e | V3 | ODA | ✓ |  |  |  | oda fac w3 |
| md227 | 1bp5 | V3 | ODA | ✓ |  |  |  | oda fac w3 |
| md228 | 1ryo | V3 | ODA | ✓ |  |  |  | oda fac w3 |
| md229 | 1a8e | V3 | ODA | ✓ |  |  |  | oda mer w2 |
| md230 | 1bp5 | V3 | ODA | ✓ |  |  |  | oda mer w2 |
| md231 | 1ryo | V3 | ODA | ✓ |  |  |  | oda mer w2 |
| md232 | 1a8e | V3 | ODA | ✓ |  |  |  | oda mer w3 |
| md233 | 1bp5 | V3 | ODA | ✓ |  |  |  | oda mer w3 |
| md234 | 1ryo | V3 | ODA | ✓ |  |  |  | oda mer w3 |
| md235 | 1a8e | VO | ODA | ✓ |  |  |  | oda fac w1 |
| md236 | 1bp5 | VO | ODA | ✓ |  |  |  |  |
| md237 | 1ryo | VO | ODA | ✓ |  |  |  |  |
| md238 | 1a8e | VO | ODA | ✓ |  |  |  | oda fac w2 |
| md239 | 1bp5 | VO | ODA | ✓ |  |  |  |  |
| md240 | 1ryo | VO | ODA | ✓ |  |  |  |  |
| md241 | 1a8e | VO | ODA | ✓ |  |  |  | oda mer w1 |
| md242 | 1bp5 | VO | ODA | ✓ |  |  |  |  |
| md243 | 1ryo | VO | ODA | ✓ |  |  |  |  |
| md244 | 1a8e | VO | ODA | ✓ |  |  |  | oda mer w2 |
| md245 | 1bp5 | VO | ODA | ✓ |  |  |  |  |
| md246 | 1ryo | VO | ODA | ✓ |  |  |  |  |
| md247 | 1a8e | FE | OXL | ✓ |  |  |  | oxl2 |
| md248 | 1bp5 | FE | OXL | ✓ |  |  |  | oxl2 |
| md249 | 1ryo | FE | OXL | ✓ |  |  |  | oxl2 |
| md250 | 1a8e | FE | OXL | ✓ |  |  |  | oxl |
| md251 | 1bp5 | FE | OXL | ✓ |  |  |  | oxl |
| md252 | 1ryo | FE | OXL | ✓ |  |  |  | oxl |
| md253 | 1a8e | VO | OXL | ✓ |  |  |  | oxl2 |
| md254 | 1bp5 | VO | OXL | ✓ |  |  |  | oxl2 |
| md255 | 1ryo | VO | OXL | ✓ |  |  |  | oxl2 |
| md256 | 1a8e | VO | OXL | ✓ |  |  |  | oxl |
| md257 | 1bp5 | VO | OXL | ✓ |  |  |  | oxl |
| md258 | 1ryo | VO | OXL | ✓ |  |  |  | oxl |
| md259 | 1a8e | V3 | OXL | ✓ |  |  |  | oxl2 |
| md260 | 1bp5 | V3 | OXL | ✓ |  |  |  | oxl2 |
| md261 | 1ryo | V3 | OXL | ✓ |  |  |  | oxl2 |
| md262 | 1a8e | V3 | OXL | ✓ |  |  |  | oxl |
| md263 | 1bp5 | V3 | OXL | ✓ |  |  |  | oxl |
| md264 | 1ryo | V3 | OXL | ✓ |  |  |  | oxl |
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