

tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1

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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
                                                                                                                                VCKIIFFFLS
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
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tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
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tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
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tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
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tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
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tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
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tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
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tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
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tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
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consensus
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
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sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
                                                                                                                                 FHIQISIANP
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
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tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
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tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                                 F<mark>H</mark>IQISIANP
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tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                 FNIQISIANP
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tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
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tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                 FNIQISIANP
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tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                 FNIQISIANP
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tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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                                                                                                                                 FNIQISIANP
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tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                 FNIQISIANP
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tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 FNIQISIANP
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tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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                                                                                                                                 FNIQISIANP
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tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 FNIQISIANP
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tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 FSIQISIANP
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tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 CN THCA4 PE 4 SV 1
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
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consensus
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
                                                                                                                                RENFLKCFSK
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tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
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tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
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tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                                RENFLKCFSK
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tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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                                                                                                                                QENFLKCFSE
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
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tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
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tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                QENFLKCFSE
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tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                QENFLKCFSE
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tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
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tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                QENFLKCFSE
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sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                QENFLKCFSE
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 CN THCA4 PE 4 SV 1
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tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
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consensus
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                HIPNNVANPK
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
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tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
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tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
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tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
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tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
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tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
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                                                                                                                                 YIPNNPANPK
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tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                 YIPNNPANPK
                                                                                                                                                50
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 YIPNNPANPK
                                                                                                                                                50
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tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 YIPNNPANPK
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                 YIPNNPANPK
                                                                                                                                                50
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 YIPNNPANPK
                                                                                                                                                50
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 YIPNNPANPK
                                                                                                                                                50
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 YIPNNPANPK
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tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 YIPNNPANPK
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tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 YIPNNPANPK
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tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 YIPNNPANPK
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tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 YIPNNPANPK
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tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 YIPNNPANPK
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tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 YIPNNPANPK
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tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                YIPNNPANPK
                                                                                                                                                50
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                YIPNNPANPK
                                                                                                                                                50
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                YIPNNPANPK
                                                                                                                                                50
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 YIPNNPANPK
                                                                                                                                                50
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 YIPNNPANPK
                                                                                                                                                50
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              60
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                               0
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
                                                                                                                               LVYTQHDQLY
                                                                                                                                              60
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               LVYTQHDQLY
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tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
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                                                                                                                               LVYTQHDQLY
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               LVYTQHDQLY
                                                                                                                                              60
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               LVYTQHDQLY
                                                                                                                                              60
                                                                                                                               LVYTQHDQLY
                                                                                                                                              60
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                               LVYTQHDQLY
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tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               LVYTQHDQLY
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tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               LVYTQHDQLY
                                                                                                                                              60
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FIYTQHDQLY
                                                                                                                                              60
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FIYTOHDQLY
                                                                                                                                              60
                                                                                                                               FIYTQHDQLY
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              60
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FIYTQHDQLY
                                                                                                                                              60
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FIYTQHDQLY
                                                                                                                                              60
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FIYTQHDQLY
                                                                                                                                              60
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               FIYTQHDQLY
                                                                                                                                              60
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               FIYTQHDQLY
                                                                                                                                              60
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               FIYTQHDQLY
                                                                                                                                              60
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               FIYTQHDQLY
                                                                                                                                              60
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FIYTQHDQLY
                                                                                                                                              60
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tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FIYTQHDQLY
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               FIYTQHDQLY
                                                                                                                                              60
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FIYTQHDQLY
                                                                                                                                              60
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FIYTQHDQLY
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tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FIYTQHDQLY
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tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FIYTQHDQLY
                                                                                                                                              60
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FIYTQHDQLY
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tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FIYTQHDQLY
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tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FIYTQHDQLY
                                                                                                                                              60
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FIYTQHDQLY
                                                                                                                                              60
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FIYTQHDQLY
                                                                                                                                              60
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FIYTQHDQLY
                                                                                                                                              60
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FIYTQHDQLY
                                                                                                                                              60
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FIYTQHDQLY
                                                                                                                                              60
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FIYTQHDQLY
                                                                                                                                              60
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FIYTQHDQLY
                                                                                                                                              60
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                                               0
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                MSILNSTIQN
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
                                                                                                                                MSILNSTIQN
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                   ILNSTIQN
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                MS<mark>I</mark>LNSTIQN
                                                                                                                                   ILNSTIQN
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                   ILNSTIQN
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                                MS<mark>I</mark>LNSTIQN
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                MSILNSTIQN
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                MS<mark>I</mark>LNSTIQN
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                MS<del>V</del>LNSTIQN
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                MSVLNSTIQN
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                MSVLNSTIQN
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                MSVLNSTIQN
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                MSVLNSTIQN
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                MSVLNSTIQN
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                MSVLNSTIQN
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                MSVLNSTIQN
                                                                                                                                MSVLNSTIQN
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                MSVLNSTIQN
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                MSVLNSTIQN
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                MSVLNSTIQN
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                MSVLNSTIQN
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                MSVLNSTIQN
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                MSVLNSTIQN
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                MSVLNSTIQN
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                MSVLNSTIQN
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                MSVLNSTIQN
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                MSVLNSTIQN
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                MSVLNSTIQN
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                MSVLNSTIQN
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                MSVLNSTIQN
                                                                                                                                MSVLNSTIQN
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                MSV<mark>M</mark>NSTIQN
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                MSVMNSTIQN
                                                                                                                                MSVLNSTIQN
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                MSVLNSTIQN
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
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consensus
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                80
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
                                                                                                                                                80
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                LRFISDTTPK
                                                                                                                                                80
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                 LRFISDTTP
                                                                                                                                                80
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LRFISDTTP
                                                                                                                                                80
                                                                                                                                 LRFISDTTPK
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                80
                                                                                                                                                80
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LRFISDTTP
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                                 LRFISDTTP
                                                                                                                                                80
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LRFISDTTP
                                                                                                                                                80
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LRF<mark>I</mark>SDTTP
                                                                                                                                                80
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LRF<del>T</del>SDTTP#
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tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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                                                                                                                                 LRFTSDTTP
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LRFTSDTTP
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tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LRFTSDTTP
                                                                                                                                                80
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LRFTSDTTPK
                                                                                                                                                80
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LRFTSDTTPK
                                                                                                                                                80
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                 LRFTSDTTP
                                                                                                                                                80
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                                80
                                                                                                                                 LRFTSDTTPF
                                                                                                                                                80
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                 LRFTSDTTP
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                 LRFTSDTTPK
                                                                                                                                                80
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LRFTSDTTP
                                                                                                                                                80
                                                                                                                                 LRFTSDTTP
                                                                                                                                                80
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                 LRFTFDTTP
                                                                                                                                                80
                                                                                                                                 \mathtt{LRFT}\overline{\mathtt{S}}\mathtt{DTTPK}
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                80
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LRFTSDTTPK
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tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LRFTSDTTP
                                                                                                                                                80
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LRFTSDTTP
                                                                                                                                                80
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LRFTSDTTP
                                                                                                                                                80
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LRFTSDTTPK
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tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LRFTSDTTP
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tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LRFTSDTTP
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tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LRFTSD<mark>A</mark>TPF
                                                                                                                                                80
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LRFTSDTTPK
                                                                                                                                                80
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LRFTSDTTPK
                                                                                                                                                80
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LRFTSDTTPK
                                                                                                                                                80
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LRFTSDTTPK
                                                                                                                                                80
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LRFTSDTTPK
                                                                                                                                                80
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
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consensus
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
                                                                                                                                 PLVIVTPSNN
                                                                                                                                                90
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                 PLVIVTPSNN
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tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                 PLVIVTPSNN
                                                                                                                                                90
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PLVIVTPSN<mark>N</mark>
                                                                                                                                                90
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PLVIVTPSN<mark>N</mark>
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tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PLVIVTPSN<mark>N</mark>
                                                                                                                                                90
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                                 PLVIVTPSNN
                                                                                                                                                90
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PLVIVTPSN<mark>N</mark>
                                                                                                                                                90
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PLVIVTPSN<mark>N</mark>
                                                                                                                                                90
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PLVIVTPSNV
                                                                                                                                                90
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PLVIVTPSNV
                                                                                                                                                90
                                                                                                                                 PLVIVTPSNV
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                90
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PLVIVTPSNV
                                                                                                                                                90
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PLVIVTPSNV
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tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PLVIVTPSNV
                                                                                                                                                90
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                 PLVIVTPSNV
                                                                                                                                                90
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                 PLVIVTPSNV
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                                                                                                                                 PLVIVTPSNV
                                                                                                                                                90
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                 PLVIVTPSNV
                                                                                                                                                90
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PLVIVTPSNF
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tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                 PLVIVTPSNV
                                                                                                                                                90
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PLVIVTPSNV
                                                                                                                                                90
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PLVIVTPSNV
                                                                                                                                                90
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PLVIVTPSNV
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tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PLVIVTPSNV
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tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PLVIVTPSNV
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PLVIVTPSNV
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tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PLVIVTPSNV
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tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PLVIVTPSNV
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tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PLVIVTPSNV
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tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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                                                                                                                                 PLVIVTPSNV
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PLVIVTPSNV
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tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PLVIVTPSNV
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tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
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consensus
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                              SHIQATILCS
                                                                                                                                              12
                                                                                                                              SHIQATILCS
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
                                                                                                                                             100
                                                                                                                              SHIQATILCS
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                             100
                                                                                                                              SHIQATILCS
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                             100
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              SHIQATILCS
                                                                                                                                             100
                                                                                                                              SHIQATILCS
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             100
                                                                                                                              SHIQATILCS
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             100
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                              SHIQATILCS
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tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              SHIQATILCS
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tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              SHIQABILCS
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tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              SHIQASILCS
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tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              SHIQASILCS
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tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                              SHIQASILCS
                                                                                                                                             100
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tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              93
                                                                                                                              SHIQASILCS
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                             100
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               SHIQASILCS
                                                                                                                                             100
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              SHIQASILCS
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tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                              SHIQASILCS
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                                                                                                                              SHIQASILCS
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             100
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SHIQASILCS
                                                                                                                                             100
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              SHIQASILCS
                                                                                                                                             100
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              SHIQASILCS
                                                                                                                                             100
                                                                                                                              SHIQASILCS
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             100
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              SHIQASILCS
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tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              SHIQASILCS
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tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              SHIQASILCS
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tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              SHIQASILCS
                                                                                                                                             100
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              SHIQASILCS
                                                                                                                                             100
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              SHIQASILCS
                                                                                                                                             100
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              SHIQASILCS
                                                                                                                                             100
                                                                                                                              SHIQATILCS
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                                              10
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             110
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                               KKVGLQIRTR
                                                                                                                                              22
                                                                                                                               KKVGLQIRTR
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
                                                                                                                                             110
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               KKVGLQIRTR
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tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               KKVGLQIRTR
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tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KKVGLQIRTR
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tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KKVGLQIRTR
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tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KKVGLQIRTR
                                                                                                                                             110
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                               KKVGLQIRTR
                                                                                                                                             110
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KKVGLQIRTR
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tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KKVGLQIRTR
                                                                                                                                             110
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KKVGLQIRTR
                                                                                                                                             110
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KKVGLQIRTR
                                                                                                                                             110
                                                                                                                               KKVGLQIRTR
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             110
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KKVGLQIRTR
                                                                                                                                             110
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KKVGLQIRTR
                                                                                                                                             110
                                                                                                                               KKVGLQIRTR
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             110
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               KKVGLQIRTR
                                                                                                                                             110
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              93
                                                                                                                               KKVGLQIRTR
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                             110
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               KKVGLQIRTR
                                                                                                                                             110
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KKVGLQIRTR
                                                                                                                                             110
                                                                                                                               KKVGLQIRTR
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               KKVGLQIRTR
                                                                                                                                             110
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KKVGLQIRTR
                                                                                                                                             110
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KKVGLQIRTR
                                                                                                                                             110
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KKVGLQIRTR
                                                                                                                                             110
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KKVGLQIRTR
                                                                                                                                             110
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KKVGLQIRTR
                                                                                                                                             110
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KKVGLQIRTR
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tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KKVGLQIRTR
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tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KKVGLQIRTR
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tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KKVGLQIRTR
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                                                                                                                               KKVGLQIRTR
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KKVGLQIRTR
                                                                                                                                             110
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KKVGLQIRTR
                                                                                                                                             110
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KKVGLQIRTR
                                                                                                                                             110
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KKVGLQIRTR
                                                                                                                                             110
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                               KKVGLQIRTR
                                                                                                                                              20
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                               SGGHDAEGMS
                                                                                                                                               32
                                                                                                                               SGGHDAEGMS
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
                                                                                                                                              120
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               SGGHDAEGMS
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tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               SGGHDAEGMS
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tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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                                                                                                                               SGGHDAEGMS
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SGGHDAEGMS
                                                                                                                                              120
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                               SGGHDAEGMS
                                                                                                                                              120
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SGGHDAEGMS
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tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SGGHDAEG<mark>M</mark>S
                                                                                                                                              120
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SGGHDAEGLS
                                                                                                                                              120
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SGGHDAEGLS
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                                                                                                                               SGGHDAEGLS
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SGGHDAEGLS
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tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SGGHDAEGLS
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tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SGGHDAEGLS
                                                                                                                                              120
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               SGGHDAEGLS
                                                                                                                                              120
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                               93
                                                                                                                               SGGHDAEGLS
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                              120
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               SGGHDAEGLS
                                                                                                                                              120
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SGGHDAEGLS
                                                                                                                                              120
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SGGHDAEGLS
                                                                                                                                              120
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               SGGHDAEGLS
                                                                                                                                              120
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SGGHDAEGLS
                                                                                                                                              120
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SGGHDAEGLS
                                                                                                                                              120
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SGGHDAEGLS
                                                                                                                                              120
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SGGHDAEGLS
                                                                                                                                              120
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SGGHDAEGLS
                                                                                                                                              120
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SGGHDAEGLS
                                                                                                                                              120
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SGGHDAEGLS
                                                                                                                                              120
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SGGHDAEGLS
                                                                                                                                              120
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SGGHDAEGLS
                                                                                                                                              120
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SGGHDAEGLS
                                                                                                                                              120
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SGGHDAEGLS
                                                                                                                                              120
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SGGHDAEGLS
                                                                                                                                              120
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SGGHDAEGLS
                                                                                                                                              120
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SGGHDAEGLS
                                                                                                                                              120
                                                                                                                               SGGHDAEGLS
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                                               30
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                               . . . . . . . . . .
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                               130
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                YISQVPF<mark>VV</mark>V
                                                                                                                                                42
                                                                                                                                YISQVPFVV
                                                                                                                                               130
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                YISQVPFVV
                                                                                                                                               130
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                YISQLPFVVV
                                                                                                                                               130
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                YISQLPFVVV
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                                                                                                                                YISQVPFVV
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                               130
                                                                                                                                YISQVPFVV
                                                                                                                                               130
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                                YISQVPF<mark>VV</mark>V
                                                                                                                                               130
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                YISQVPF<mark>VV</mark>V
                                                                                                                                               130
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                YISQVPF<mark>VV</mark>V
                                                                                                                                               130
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                YISQVPFAIV
                                                                                                                                               130
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                YISQVPFAIV
                                                                                                                                               130
                                                                                                                                YISQVPFAIV
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                               130
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                YISQVPFAIV
                                                                                                                                               130
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                YISQVPFAIV
                                                                                                                                               130
                                                                                                                                 YISQVPFAIV
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                               130
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                YISQVPFAIV
                                                                                                                                               130
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                                93
                                                                                                                                YISQVPFAIV
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                               130
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                YISQVPFAIV
                                                                                                                                               130
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                YISQVPFAIV
                                                                                                                                               130
                                                                                                                                YISQVPFAIV
                                                                                                                                               130
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                YISQVPFAIV
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                               130
                                                                                                                                YISQVPFAIV
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                               130
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                YISQVPFAIV
                                                                                                                                               130
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                YISQVPFAIV
                                                                                                                                               130
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                YISQVPFAIV
                                                                                                                                               130
                                                                                                                                YISQVPFAIV
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                               130
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                YISQVPFAIV
                                                                                                                                               130
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                YISQVPFAIV
                                                                                                                                               130
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                YISQVPFAIV
                                                                                                                                               130
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                YISQVPFAIV
                                                                                                                                               130
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                YISQVPFAIV
                                                                                                                                               130
                                                                                                                                YISQVPFAIV
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                               130
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                YISQVPFAIV
                                                                                                                                               130
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                YISQVPFAIV
                                                                                                                                               130
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                YISQVPFAIV
                                                                                                                                               130
                                                                                                                                YTSQVPFVIV
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                                                40
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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                                                                                                                              DLRNMHSIKI
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                              52
                                                                                                                              DLRNMHSIKI
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
                                                                                                                                             140
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                              DLRNMHSIKI
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tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
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tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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                                                                                                                              DLRNMHSIKI
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             140
                                                                                                                              DLRNMHSIKI
                                                                                                                                             140
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                              DLRNMHSIKI
                                                                                                                                             140
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              DLRNMHSIKI
                                                                                                                                             140
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              DLRNMHSIKI
                                                                                                                                             140
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              DLRNMHTVKV
                                                                                                                                             140
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              DLRNMHTVKV
                                                                                                                                             140
                                                                                                                              DLRNMHTVKV
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             140
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              DLRNMHTVKV
                                                                                                                                             140
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              DLRNMHTVKV
                                                                                                                                             140
                                                                                                                              DLRNMHTVKV
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             140
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                              DLRNIHTVKV
                                                                                                                                             140
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              93
                                                                                                                              DLRNMHTVKV
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                             140
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
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                                                                                                                                             140
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              DLRNMHTVKV
                                                                                                                                             140
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              DLRNMHTVKV
                                                                                                                                             140
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                              DLRNMHTVKV
                                                                                                                                             140
                                                                                                                              DLRNMHTVKV
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             140
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              DLRNMHTVKV
                                                                                                                                             140
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              DLRNMHTVKV
                                                                                                                                             140
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              DLRNMHTVKV
                                                                                                                                             140
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              DLRNMHTVKV
                                                                                                                                             140
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              DLRNMHTVKV
                                                                                                                                             140
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              DLRNMHTVKV
                                                                                                                                             140
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              DLRNMHTVKV
                                                                                                                                             140
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              DLRNMHTVKV
                                                                                                                                             140
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              DLRNMHTVKV
                                                                                                                                             140
                                                                                                                              DLRNMHTIKV
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             140
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              DLRNMHTIKV
                                                                                                                                             140
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              DLRNMHTVKV
                                                                                                                                             140
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              DLRNMHTVKV
                                                                                                                                             140
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                              DLRNMHSVKI
                                                                                                                                              50
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
consensus
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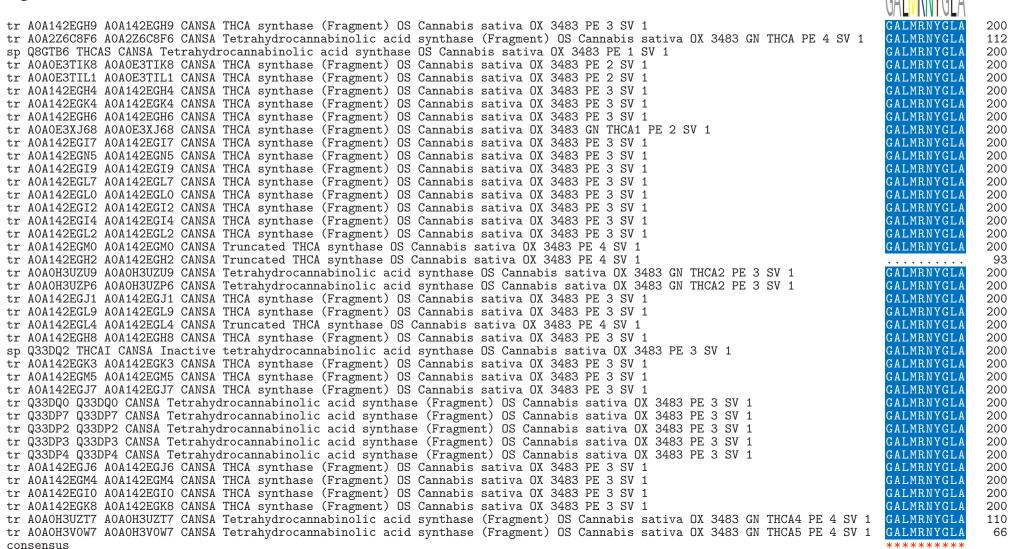
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tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                                  62
                                                                                                                                  O<mark>V</mark>HSQTAWVE
                                                                                                                                                 150
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                  O<mark>V</mark>HSQTAWVE
                                                                                                                                                 150
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                                 150
                                                                                                                                   VHSQTAWVE
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  O<mark>V</mark>HSQTAWVE
                                                                                                                                                 150
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                   VHSQTAWVE
                                                                                                                                                 150
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  O<mark>V</mark>HSQTAWVE
                                                                                                                                                 150
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                                  O<mark>V</mark>HSQTAWVE
                                                                                                                                                 150
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  O<mark>V</mark>HSQTAWVE
                                                                                                                                                 150
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  D<mark>V</mark>HSQTAWVE
                                                                                                                                                 150
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  DIHSQTAWVE
                                                                                                                                                 150
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                 150
                                                                                                                                  DIHSQTAWVE
                                                                                                                                  DIHSQTAWVE
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                 150
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  DIHSQTAWVE
                                                                                                                                                 150
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  DIHSQTAWVE
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                                                                                                                                  DIHSQTAWVE
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                 150
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                  DIHSQTAWVE
                                                                                                                                                 150
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                                  93
                                                                                                                                  <u>DIHS</u>QTAWVE
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                                 150
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                  DIHSQTAWVE
                                                                                                                                                 150
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  DIHSQTAWVE
                                                                                                                                                 150
                                                                                                                                  DIHSQTAWVE
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                 150
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                  DIHSQTAWVE
                                                                                                                                                 150
                                                                                                                                  DIHSQTAWVE
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                 150
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  DIHSQTAWVE
                                                                                                                                                 150
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  DIHSQTAWVE
                                                                                                                                                 150
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  DIHSQTAWVE
                                                                                                                                                 150
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  DIHSQTAWVE
                                                                                                                                                 150
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  DIHSQTAWVE
                                                                                                                                                 150
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  DIHSQTAWVE
                                                                                                                                                 150
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  DIHSQTAWVE
                                                                                                                                                 150
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  DIHSQTAWVE
                                                                                                                                                 150
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  DIHSQTAWVE
                                                                                                                                                 150
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  DIHSQTAWVE
                                                                                                                                                 150
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  DIHSQTAWVE
                                                                                                                                                 150
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  DIHSQTAWVE
                                                                                                                                                 150
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  DIHSQTAWVE
                                                                                                                                                 150
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                                  DIRSQTAWVE
                                                                                                                                                  60
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                                 DVHSQTAWVE
                                                                                                                                                  16
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             160
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                               72
                                                                                                                               AGATLGEVYY
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
                                                                                                                                             160
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
                                                                                                                               AGATLGEVYY
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             160
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                               93
                                                                                                                               AGATLGEVYY
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                             160
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
                                                                                                                               AGATLGEVYY
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             160
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                             160
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             160
                                                                                                                               AGATLGEVYY
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                              70
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                               AGATLGEVYY
                                                                                                                                               26
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             170
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                              82
                                                                                                                               WINEKNENLS
                                                                                                                                             170
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                              WINEKNENLS
                                                                                                                                             170
                                                                                                                               WINEKNENLS
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                             170
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WINEKNENLS
                                                                                                                                             170
                                                                                                                               WINEKNENLS
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             170
                                                                                                                               WINEKNENLS
                                                                                                                                             170
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                               WINEKNENLS
                                                                                                                                             170
                                                                                                                               WINEKNENLS
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             170
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WINEKNENLS
                                                                                                                                             170
                                                                                                                               WINEMNENFS
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             170
                                                                                                                               WINEMNENFS
                                                                                                                                             170
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WINEMNENFS
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             170
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WINEMNENFS
                                                                                                                                             170
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WINEMNENFS
                                                                                                                                             170
                                                                                                                               WINEMNENFS
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             170
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               WINEMNENFS
                                                                                                                                             170
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              93
                                                                                                                               WINEMNENFS
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                             170
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               WINEMNENFS
                                                                                                                                             170
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WINEMNENFS
                                                                                                                                             170
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WINEMNENFS
                                                                                                                                             170
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               WINEMNENFS
                                                                                                                                             170
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WINEMNENFS
                                                                                                                                             170
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WINEMNENFS
                                                                                                                                             170
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WINEMNENFS
                                                                                                                                             170
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WINEMNENFS
                                                                                                                                             170
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WINEMNENFS
                                                                                                                                             170
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WINEMNENFS
                                                                                                                                             170
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WINEMNENFS
                                                                                                                                             170
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WINEMNENFS
                                                                                                                                             170
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WINEMNENFS
                                                                                                                                             170
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WINEMNENFS
                                                                                                                                             170
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WINEMNENFS
                                                                                                                                             170
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WINEMNENFS
                                                                                                                                             170
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WINEMNENFS
                                                                                                                                             170
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WINEMNENFS
                                                                                                                                             170
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                              WINEKNENLS
                                                                                                                                              80
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                              WINENLS
                                                                                                                                              36
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             180
                                                                                                                                              92
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                               FPGGYCPTVG
                                                                                                                                             180
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                                             180
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                                             180
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                                             180
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                                             180
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                                             180
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                                             180
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                                             180
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                                             180
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                                             180
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             180
                                                                                                                               FPGGYCPTVG
                                                                                                                               FPGGYCPTVG
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             180
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                                             180
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                                             180
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                                             180
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                                             180
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              93
                                                                                                                               FPGGYCPTVG
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                             180
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                                             180
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                                             180
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                                             180
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                                             180
                                                                                                                               FPGGYCPTVG
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             180
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                                             180
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                                             180
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                                             180
                                                                                                                               FPGGYCPTVG
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             180
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                                             180
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                                             180
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                                             180
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                                             180
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                                             180
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                                             180
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                                             180
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                                             180
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             180
                                                                                                                               FPGGYCPTVG
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                               FPGGYCPTVG
                                                                                                                                              90
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                               FPAGYCPTVG
                                                                                                                                              46
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             190
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             102
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
                                                                                                                               VGGHFSGGGY
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             190
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
                                                                                                                               VGGHFSGGGY
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             190
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              93
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             190
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                               VGGHFSGGGY
                                                                                                                                             100
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                               AGGHFSGGGY
                                                                                                                                              56
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             210
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                               ADNIIDAHLV
                                                                                                                                             122
                                                                                                                               ADNIIDAHLV
                                                                                                                                             210
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               ADNIIDAHLV
                                                                                                                                             210
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               ADNIIDAHLV
                                                                                                                                             210
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               ADNIIDAHLV
                                                                                                                                             210
                                                                                                                               ADNIIDAHLV
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             210
                                                                                                                               ADNIIDAHLV
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             210
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                               ADNIIDAHLV
                                                                                                                                             210
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               ADNIIDAHLV
                                                                                                                                             210
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               ADNIIDAHLV
                                                                                                                                             210
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               ADNIIDAHLV
                                                                                                                                             210
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               ADNIIDAHLV
                                                                                                                                             210
                                                                                                                               ADNIIDAHLV
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             210
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               ADNIIDAHLV
                                                                                                                                             210
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               ADNIIDAHLV
                                                                                                                                             210
                                                                                                                               ADNIIDAHLV
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             210
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               ADNIIDAHLV
                                                                                                                                             210
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              93
                                                                                                                               <u>ADNI</u>IDAHLV
                                                                                                                                             210
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               ADNIIDAHLV
                                                                                                                                             210
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               ADNIIDAHLV
                                                                                                                                             210
                                                                                                                               ADNIIDAHLV
                                                                                                                                             210
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               ADNIIDAHLV
                                                                                                                                             210
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               ADNIIDAHLV
                                                                                                                                             210
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               ADNIIDAHLV
                                                                                                                                             210
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               ADNIIDAHLV
                                                                                                                                             210
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               ADNIIDAHLV
                                                                                                                                             210
                                                                                                                               ADNIIDAHLV
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             210
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               ADNIIDSHLV
                                                                                                                                             210
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               ADNIIDAHLV
                                                                                                                                             210
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               ADNIIDAHLV
                                                                                                                                             210
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               ADNIIDAHLV
                                                                                                                                             210
                                                                                                                               ADNIIDAHLV
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             210
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               ADNIIDAHLV
                                                                                                                                             210
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               ADNIIDAHLV
                                                                                                                                             210
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               ADNIIDAHLV
                                                                                                                                             210
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               ADNIIDAHLV
                                                                                                                                             210
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                               ADNIIDAHLV
                                                                                                                                             120
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                               ADNIIDAHLV
                                                                                                                                              76
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             220
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                               NVDGKVLDRK
                                                                                                                                             132
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              93
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
                                                                                                                                             220
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NVDGKVLDRK
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
                                                                                                                                             220
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NVDGKVLDRK
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NVDGKVLDRK
                                                                                                                                             220
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                               NVDGKVLDRK
                                                                                                                                             130
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                               NVDGKVLDRK
                                                                                                                                              86
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             230
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                               SMGEDLFWAI
                                                                                                                                             142
                                                                                                                                             230
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
                                                                                                                               SMGEDLFWAI
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               SMGEDLFWAI
                                                                                                                                             230
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               SMGEDLFWAI
                                                                                                                                             230
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SMGEDLFWAI
                                                                                                                                             230
                                                                                                                                             230
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SMGEDLFWAI
                                                                                                                                             230
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SMGEDLFWAI
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                               SMGEDLFWAI
                                                                                                                                             230
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SMGEDLFWAI
                                                                                                                                             230
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SMGEDLFWAI
                                                                                                                                             230
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FMGEDLFWAI
                                                                                                                                             230
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FMGEDLFWA1
                                                                                                                                             230
                                                                                                                               SMGEDLFWAI
                                                                                                                                             230
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SMGEDLFWAI
                                                                                                                                             230
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SMGEDLFWAI
                                                                                                                                             230
                                                                                                                                             230
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SMGEDLFWAI
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               SMGEDLFWAI
                                                                                                                                             230
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              93
                                                                                                                               SMGEDLFWAI
                                                                                                                                             230
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               SMGEDLFWAI
                                                                                                                                             230
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SMGEDLFWAI
                                                                                                                                             230
                                                                                                                                             230
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SMGEDLFWAI
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               SMGEDLFWAI
                                                                                                                                             230
                                                                                                                                             230
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SMGEDLFWAI
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SMGEDLFWAI
                                                                                                                                             230
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SMGEDLFWAI
                                                                                                                                             230
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SMGEDLFWAI
                                                                                                                                             230
                                                                                                                                             230
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SMGEDLFWAI
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SMGEDLFWAI
                                                                                                                                             230
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SMGEDLFWAI
                                                                                                                                             230
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             230
                                                                                                                               SMGEDLFWAI
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SMGEDLFWAI
                                                                                                                                             230
                                                                                                                                             230
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SMGEDLFWAI
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SMGEDLFWAI
                                                                                                                                             230
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SMGEDLFWAI
                                                                                                                                             230
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SMGEDLFWAI
                                                                                                                                             230
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SMGEDLFWAI
                                                                                                                                             230
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                               SMGEDLFWAI
                                                                                                                                             140
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                               SMGEDLFWAI
                                                                                                                                              96
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                               RGGGGENFGI
                                                                                                                               RGGGGENFGI
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                              RGGGGENFG1
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               RGGGGENFGI
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               RGGGGENFGI
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              RGGGGENFG1
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               RGGGGENFGI
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                              RGGGGENFG1
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               RGGGGENFG1
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               RGGGGENFGI
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               RGGGGENFG1
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              RGGGGENFG1
                                                                                                                              RGGGGENFG1
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               RGGGGENFGI
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               RGGGGENFGI
                                                                                                                               RGGGGENFGI
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                              RGGGGENFGI
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                              RGGGGENFGI
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               RGGGGENFGI
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              RGGGGENFGI
                                                                                                                              RGGGGENFG1
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                              RGGGGENFGI
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              RGGGGENFG1
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               RGGGGENFGI
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               RGGGGENFGI
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              RGGGGENFG1
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              RGGGGENFGI
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              RGGGGENFG1
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               RGGGGENFGI
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               RGGGGENFGI
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              RGGGGENFG1
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              RGGGGENFG1
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              RGGGGENFGI
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               RGGGGENFGI
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               RGGGGENFGI
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              RGGGGENFGI
                                                                                                                                             240
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                              RGGGGENFGI
                                                                                                                                             150
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                              RGGGGENFGI
                                                                                                                                             106
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             250
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                               IAAWKIKLVA
                                                                                                                                             162
                                                                                                                                             250
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
                                                                                                                               IAAWKIKLVA
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               IAAWKIKLVA
                                                                                                                                             250
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                             250
                                                                                                                               IAAWKIKLVA
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IAAWKIKLVA
                                                                                                                                             250
                                                                                                                                             250
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IAAWKIKLVA
                                                                                                                                             250
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IAAWKIKLVA
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                               IAAWKIKLVD
                                                                                                                                             250
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IAAWKIKLVD
                                                                                                                                             250
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IAAWKIKLVA
                                                                                                                                             250
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IAAWKIKLVV
                                                                                                                                             250
                                                                                                                               IAAWKIKLVV
                                                                                                                                             250
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IAAWKIKLVV
                                                                                                                                             250
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IAAWKIKLVV
                                                                                                                                             250
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IAAWKIKLVV
                                                                                                                                             250
                                                                                                                               IAAWKIKLVV
                                                                                                                                             250
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               IAAWKIKLVV
                                                                                                                                             250
                                                                                                                                              93
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               IAAWKIKLVV
                                                                                                                                             250
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               IAAWKIKLVV
                                                                                                                                             250
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IAAWKIKLVV
                                                                                                                                             250
                                                                                                                                             250
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IAAWKIKLVV
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               IAAWKIKLVV
                                                                                                                                             250
                                                                                                                                             250
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IAAWKIKLVV
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IAAWKIKLVV
                                                                                                                                             250
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IAAWKIKLVV
                                                                                                                                             250
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IAAWKIKLVV
                                                                                                                                             250
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IAAWKIKLVV
                                                                                                                                             250
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             250
                                                                                                                               IAAWKIKLVV
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IAAWKIKLVV
                                                                                                                                             250
                                                                                                                                             250
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IAAWKIKLVV
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IAAWKIKLVV
                                                                                                                                             250
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IAAWKIKLVV
                                                                                                                                             250
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                              IAAWKIKLVV
                                                                                                                                             250
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IAAWKIKLVV
                                                                                                                                             250
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IAAWKIKLVV
                                                                                                                                             250
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IAAWKIKLVV
                                                                                                                                             250
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                              IAAWKIRLVA
                                                                                                                                             160
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                              IAAWKIRLVA
                                                                                                                                             116
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                260
                                                                                                                                                172
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                  VPSK<mark>S</mark>TIFSV
                                                                                                                                                260
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                 VPSK<mark>S</mark>TIFSV
                                                                                                                                                260
                                                                                                                                 VPSK<mark>S</mark>TIFSV
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                                260
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 VPSKSTIFSV
                                                                                                                                                260
                                                                                                                                 VPSK<mark>S</mark>TIFSV
                                                                                                                                                260
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 VPSKSTIFS\
                                                                                                                                                260
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                                 VPSKSTIFS\
                                                                                                                                                260
                                                                                                                                 VPSK<mark>S</mark>TIFSV
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                260
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  <u>VPSK<mark>S</mark>TIFSV</u>
                                                                                                                                                260
                                                                                                                                  VPSKĀTIFSV
                                                                                                                                                260
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                260
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  VPSKATIFSV
                                                                                                                                  VPSKATIFSV
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                260
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  VPSKATIFSV
                                                                                                                                                260
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  VPSKATIFSV
                                                                                                                                                260
                                                                                                                                  VPSKATIFSV
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                260
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                  VPSKATIFSV
                                                                                                                                                260
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                                 93
                                                                                                                                  VPSKATIFSV
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                                260
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                  VPSKATIFSV
                                                                                                                                                260
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  VPSKATIFSV
                                                                                                                                                260
                                                                                                                                                260
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  VPSKATIFSV
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                  VPSKATIFSV
                                                                                                                                                260
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  VPSKATIFSV
                                                                                                                                                260
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  VPSKATIFSV
                                                                                                                                                260
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  VPSKATIFSV
                                                                                                                                                260
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LPSKATIFSV
                                                                                                                                                260
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LPSKATIFSV
                                                                                                                                                260
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 VPSKATIFSV
                                                                                                                                                260
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  VPSKATIFSV
                                                                                                                                                260
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  VPSKATIFSV
                                                                                                                                                260
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  VPSKATIFSV
                                                                                                                                                260
                                                                                                                                  VPSKATIFSV
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                260
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 VPSKATIFSV
                                                                                                                                                260
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  VPSKATIFSV
                                                                                                                                                260
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  VPSKATIFSV
                                                                                                                                                260
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  VPSKATIFSV
                                                                                                                                                260
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                                                170
                                                                                                                                 VPSRATIFSV
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                                 VPSMSTIFSV
                                                                                                                                                126
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              270
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                KKNMEIHGLV
                                                                                                                                              182
                                                                                                                                KKNMEIHGLV
                                                                                                                                              270
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                KKNMEIHGLV
                                                                                                                                              270
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                KKNMEIHGLV
                                                                                                                                              270
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                KKNMEIHGLV
                                                                                                                                              270
                                                                                                                                              270
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                KKNMEIHGLV
                                                                                                                                              270
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                KKNMEIHGLV
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                                KKNMEIHGLV
                                                                                                                                              270
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                KKNMEIHGLV
                                                                                                                                              270
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                KKNMEIHGLV
                                                                                                                                              270
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                KKNMEIHGLV
                                                                                                                                              270
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                KKNMEIHGLV
                                                                                                                                              270
                                                                                                                                KKNMEIHGLV
                                                                                                                                              270
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              270
                                                                                                                                KKNMEIHGLV
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                KKNMEIHGLV
                                                                                                                                              270
                                                                                                                                KKNMEIHGLV
                                                                                                                                              270
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                KKNMEIHGLV
                                                                                                                                              270
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                               93
                                                                                                                                KKNMEIHGLV
                                                                                                                                              270
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                KKNMEIHGLV
                                                                                                                                              270
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                KKNME<mark>T</mark>HGLV
                                                                                                                                              270
                                                                                                                                KKNMETHGLV
                                                                                                                                              270
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                KKNMEIHGLV
                                                                                                                                              270
                                                                                                                                              270
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                KKNMEIHGLV
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                KKNMEIHGLV
                                                                                                                                              270
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                KKNMEIHGLV
                                                                                                                                              270
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                KKNMEIHGLV
                                                                                                                                              270
                                                                                                                                              270
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                KKNMEIHGLV
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                KKNMEIHGLV
                                                                                                                                              270
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                KKNMEI<mark>R</mark>GLV
                                                                                                                                              270
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              270
                                                                                                                                KKNMEIHGLV
                                                                                                                                              270
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                KKNMEIHGLV
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                KKNMEIHGLV
                                                                                                                                              270
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                KKNMEIHGLV
                                                                                                                                              270
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                KKNMEIHGLV
                                                                                                                                              270
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                KKNMEIHGLV
                                                                                                                                              270
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                KKNMEIHGLV
                                                                                                                                              270
                                                                                                                                KRNMEIHGLV
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                                              180
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                                KKNMEIHELV
                                                                                                                                              136
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             280
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                               KLFNKWQNIA
                                                                                                                                             192
                                                                                                                                             280
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
                                                                                                                               KLFNKWQNIA
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               KLFNKWQNIA
                                                                                                                                             280
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               KLFNKWQNIA
                                                                                                                                             280
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KLFNKWQNIA
                                                                                                                                             280
                                                                                                                                             280
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KLFNKWQNIA
                                                                                                                                             280
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KLFNKWQNIA
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                               KLFNKWQNIA
                                                                                                                                             280
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KLFNKWQNIA
                                                                                                                                             280
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KLFNKWQNIA
                                                                                                                                             280
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KLFNKWQNIA
                                                                                                                                             280
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KLFNKWQNIA
                                                                                                                                             280
                                                                                                                               KLFNKWQNIA
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             280
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KLFNKWQNIA
                                                                                                                                             280
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KLFNKWQNIA
                                                                                                                                             280
                                                                                                                               KLFNKWQNIA
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             280
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               KLFNKWQNIA
                                                                                                                                             280
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              93
                                                                                                                               KLFNKWQNIA
                                                                                                                                             280
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               KLFNKWQNIA
                                                                                                                                             280
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KLFNKWQNIA
                                                                                                                                             280
                                                                                                                                             280
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KLFNKWQNIA
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               KLFNKWQNIA
                                                                                                                                             280
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KLFNKWQNIA
                                                                                                                                             280
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KLFNKWQNIA
                                                                                                                                             280
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KLFNKWQNIA
                                                                                                                                             280
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KLFNKWQNIA
                                                                                                                                             280
                                                                                                                                             280
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KLFNKWQNIA
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             280
                                                                                                                               KLFNKWQNIA
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KLFNKWQNIA
                                                                                                                                             280
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KLFNKWQNIA
                                                                                                                                             280
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KLFNKWQNIA
                                                                                                                                             280
                                                                                                                                             280
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KLFNKWQNIA
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KLFNKWQNIA
                                                                                                                                             280
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KLFNKWQNIA
                                                                                                                                             280
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KLFNKWQNIA
                                                                                                                                             280
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             280
                                                                                                                               KLFNKWQNIA
                                                                                                                                             190
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                               KLFNKWQNIA
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                               KLVNKWQNIA
                                                                                                                                             146
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                   290
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                     YKY<mark>V</mark>KDL
                                                                                                                                                   202
                                                                                                                                     YKY<mark>D</mark>KDL<mark>V</mark>LM
                                                                                                                                                   290
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                    YKYDKDLVLM
                                                                                                                                                   290
                                                                                                                                     YKYDKDL<mark>V</mark>L<mark>M</mark>
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                                   290
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                     YKYDKDL<mark>V</mark>LM
                                                                                                                                                   290
                                                                                                                                     YKYDKDL<mark>V</mark>LM
                                                                                                                                                   290
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                     YKYDKDL<mark>V</mark>LM
                                                                                                                                                   290
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                                     YKYDKDL<mark>V</mark>LM
                                                                                                                                                   290
                                                                                                                                    YKYDKDL<mark>V</mark>LM
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                   290
                                                                                                                                     YKYDKDL<mark>V</mark>LM
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                   290
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                     \mathtt{YKYDKDL}\overline{\mathtt{M}L}\overline{\mathtt{I}}
                                                                                                                                                   290
                                                                                                                                     YKYDKDLMLT
                                                                                                                                                   290
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    YKYDKDLMLI
                                                                                                                                                   290
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                     YKYDKDLML7
                                                                                                                                                   290
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                     YKYDKDLMLT
                                                                                                                                                   290
                                                                                                                                     YKYDKDLMLT
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                   290
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                     YKYDKDLMLT
                                                                                                                                                   290
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                                    93
                                                                                                                                     YKYDKDLMLT
                                                                                                                                                   290
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                     YKYDKDLMLT
                                                                                                                                                   290
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                     YKYDKDLMLT
                                                                                                                                                   290
                                                                                                                                    YKYDKDLMLI
                                                                                                                                                   290
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                    YKYDKDLMLT
                                                                                                                                                   290
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    YKYDKDLMLI
                                                                                                                                                   290
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                     YKYDKDLMLT
                                                                                                                                                   290
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                     YKYDKDLMLT
                                                                                                                                                   290
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                     YKYDKDLML1
                                                                                                                                                   290
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    YKYDKDLMLT
                                                                                                                                                   290
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    YKYDKDLMLI
                                                                                                                                                   290
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                     YKYDKDLMLT
                                                                                                                                                   290
                                                                                                                                                   290
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                     YKYDKDLMLT
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    YKYDKDLML7
                                                                                                                                                   290
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    YKYDKDLMLI
                                                                                                                                                   290
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    YKYDKDLMLT
                                                                                                                                                   290
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    YKYDKDLMLT
                                                                                                                                                   290
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                     YKYDKDLMLT
                                                                                                                                                   290
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                     YKYDKDLMLT
                                                                                                                                                   290
                                                                                                                                    YKYDKDLLLM
                                                                                                                                                   200
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                                    YMYEKELLLF
                                                                                                                                                   156
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    THFITKNITD
THFIPKNITD
                                                                                                                                                   300
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                                   212
                                                                                                                                    THF<mark>ITK</mark>NITD
                                                                                                                                                   300
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
                                                                                                                                    THF<mark>ITK</mark>NITD
THF<mark>ITK</mark>NITD
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                                   300
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                                   300
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    THF<mark>ITK</mark>NITD
                                                                                                                                                   300
                                                                                                                                    THFITKNITC
                                                                                                                                                   300
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    THF<mark>ITK</mark>NITD
                                                                                                                                                   300
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                                    THFITKNITD
                                                                                                                                                   300
                                                                                                                                    THFITKNITD
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                   300
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    THF<mark>ITK</mark>NITD
                                                                                                                                                   300
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    \mathtt{THF}\overline{\mathtt{R}}\mathtt{T}\overline{\mathtt{R}}\mathtt{N}\mathtt{I}\mathtt{T}\mathtt{D}
                                                                                                                                                   300
                                                                                                                                                   300
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    THFRTRNITD
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    THFRTRNITD
                                                                                                                                                   300
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    THFRTRNITD
                                                                                                                                                   300
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    THFRTRNITD
                                                                                                                                                   300
                                                                                                                                    THFRTRNITD
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                   300
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                    THFRTRNITD
                                                                                                                                                   300
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                                    93
                                                                                                                                    THFRTRNITD
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                                   300
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                    THFRTRNITD
                                                                                                                                                   300
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    THFRTRNITD
                                                                                                                                                   300
                                                                                                                                    THFRTRNITD
                                                                                                                                                   300
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                    THFRN....
                                                                                                                                                   295
                                                                                                                                    THFRTRNITD
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                   300
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    THFRTRNITD
                                                                                                                                                   300
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    THFRTRNITD
                                                                                                                                                   300
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    THFRTRNITD
                                                                                                                                                   300
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    THFRTRNITD
                                                                                                                                                   300
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    THFRTRNITD
                                                                                                                                                   300
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    THFRTRNITD
                                                                                                                                                   300
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    THFRTRNITD
                                                                                                                                                   300
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    THFRTRNITD
                                                                                                                                                   300
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    THFRTRNITD
                                                                                                                                                   300
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    THFRTRNITD
                                                                                                                                                   300
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    THFRTRNITD
                                                                                                                                                   300
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    THFRTRNITD
                                                                                                                                                   300
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    THFRTRNITD
                                                                                                                                                   300
                                                                                                                                                   210
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                                    THFITRNIID
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                                    THFITRNITD
                                                                                                                                                   166
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             310
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                             222
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
                                                                                                                               NHGKNKTTVH
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             310
                                                                                                                               NHGKNKTTVH
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
                                                                                                                               NHGKNKTTVH
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             310
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              93
                                                                                                                               NHGKNKTTVH
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                             310
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                             295
                                                                                                                               NHGKNKTTVH
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             310
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               NHGKNKTTVH
                                                                                                                                             310
                                                                                                                                             220
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                               NQGKNKTTVH
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                               NQGKNKTTIH
                                                                                                                                             176
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              320
                                                                                                                               GYFSSIFHGG
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                              232
                                                                                                                               GYFSSIFHGG
                                                                                                                                              320
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               GYFSSIFHGG
                                                                                                                                              320
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               GYFSSIFHGG
                                                                                                                                              320
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GYFSSIF<mark>H</mark>GG
                                                                                                                                              320
                                                                                                                               GYFSSIF<mark>H</mark>GG
                                                                                                                                              320
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GYFSSIFHGG
                                                                                                                                              320
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                               GYFSSIFHGG
                                                                                                                                              320
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GYFSSIFHGG
                                                                                                                                              320
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GYFSSIFHGG
                                                                                                                                              320
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GYFSSIFLGG
                                                                                                                                              320
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GYFSSIFLGG
                                                                                                                                              320
                                                                                                                               GYFSSIFLGG
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              320
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                GYFSSIFLGG
                                                                                                                                              320
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                GYFSSIFLGG
                                                                                                                                              320
                                                                                                                                GYFSSIFLGG
                                                                                                                                              320
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               GYFSSIFLGG
                                                                                                                                              320
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                               93
                                                                                                                               GYFSSIFLGG
                                                                                                                                              320
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                GYFSSIFLGG
                                                                                                                                              320
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                GYFSSIFLGG
                                                                                                                                              320
                                                                                                                               GYFSSIFLGG
                                                                                                                                              320
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              295
                                                                                                                               GYFSSIFLGG
                                                                                                                                              320
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                GYFSSIFLGG
                                                                                                                                              320
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                GYFSSIFLGG
                                                                                                                                              320
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GYFSSIFLGG
                                                                                                                                              320
                                                                                                                               GYFSSIFLGG
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              320
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GYFSSIFLGG
                                                                                                                                              320
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GYFSSIFLGG
                                                                                                                                              320
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GYFSSIFLGG
                                                                                                                                              320
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GYFSSIFLGG
                                                                                                                                              320
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GYFSSIFLGG
                                                                                                                                              320
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GYFSSIFLGG
                                                                                                                                              320
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                GYFSSIFLGG
                                                                                                                                              320
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                GYFSSIFLGG
                                                                                                                                              320
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                GYFSSIFLGG
                                                                                                                                              320
                                                                                                                               GYFSCIFHGG
                                                                                                                                              230
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                               SYFSSIFHGG
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                                              186
consensus
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              330
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                VDSLVDLMNK
                                                                                                                                              242
                                                                                                                                VDSLVDLMNK
                                                                                                                                              330
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                VDSLVDLMNK
                                                                                                                                              330
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                VDSLVDLMN
                                                                                                                                              330
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VDSLVDLMNK
                                                                                                                                              330
                                                                                                                                VDSLVDLMNK
                                                                                                                                              330
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VDSLVDLMNK
                                                                                                                                              330
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                                VDSLVDLMNK
                                                                                                                                              330
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VDSLVDLMNK
                                                                                                                                              330
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VDSLVDLMNK
                                                                                                                                              330
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VDSLVDLMNK
                                                                                                                                              330
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VDSLVDLMN
                                                                                                                                              330
                                                                                                                                VDSLVDLMN
                                                                                                                                              330
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VDSLVDLMNK
                                                                                                                                              330
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VDSLVDLMNK
                                                                                                                                              330
                                                                                                                                VDSLVDLMNK
                                                                                                                                              330
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                VDSLVDLMNK
                                                                                                                                              330
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                               93
                                                                                                                                <u>VDSLVDLM</u>NK
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                              330
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                VDSLVDLMNK
                                                                                                                                              330
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VDSLVDLMNK
                                                                                                                                              330
                                                                                                                                VDSLVDLMNK
                                                                                                                                              330
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              295
                                                                                                                                VDSLVDLMNK
                                                                                                                                              330
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VDSLVDLMNK
                                                                                                                                              330
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VDSLVDLMNK
                                                                                                                                              330
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VDSLVDLMNK
                                                                                                                                              330
                                                                                                                                VDSLVDLMNK
                                                                                                                                              330
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VDSLVDLMNK
                                                                                                                                              330
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VDSLVDLMNK
                                                                                                                                              330
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              330
                                                                                                                                VDSLVDLMNK
                                                                                                                                              330
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VDSLVDLMNK
                                                                                                                                              330
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VDSLVDLMNK
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VDSLVDLMNK
                                                                                                                                              330
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VDSLVDLMNK
                                                                                                                                              330
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VDSLVDLMNK
                                                                                                                                              330
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VDSLVDLMNK
                                                                                                                                              330
                                                                                                                                              240
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                                VDSLV<mark>N</mark>LMNK
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                               \mathtt{VDSLVDLMNK}
                                                                                                                                              196
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             340
                                                                                                                               SFPELGIKKT
                                                                                                                                             252
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                             340
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
                                                                                                                               SFPELGIKKT
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               SFPELGIKK1
                                                                                                                                             340
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               SFPELGIKK1
                                                                                                                                             340
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SFPELGIKKT
                                                                                                                                             340
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SFRELGIKK1
                                                                                                                                             340
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SFRELGIKK1
                                                                                                                                             340
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                               SFPELGIKKT
                                                                                                                                             340
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SFPELGIKKT
                                                                                                                                             340
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SFPELGIKKT
                                                                                                                                             340
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SFPELGIKKT
                                                                                                                                             340
                                                                                                                                             340
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SFPELGIKK1
                                                                                                                               SFPELGIKK1
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             340
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SFPELGIKK1
                                                                                                                                             340
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SFPELGIKKT
                                                                                                                                             340
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SFPELGIKKT
                                                                                                                                             340
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               SFPELGIKKT
                                                                                                                                             340
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              93
                                                                                                                               SFPELGIKKT
                                                                                                                                             340
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               SFPELGIKKT
                                                                                                                                             340
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SFPELGIKKT
                                                                                                                                             340
                                                                                                                               SFPELGIKKT
                                                                                                                                             340
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                             295
                                                                                                                               SFPELGIKKT
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             340
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SFPELGIKKT
                                                                                                                                             340
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SFPELGIKKT
                                                                                                                                             340
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SFPELGIKK1
                                                                                                                                             340
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SFPELGIKK1
                                                                                                                                             340
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             340
                                                                                                                               SFPELGIKKT
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SFPELGIKKT
                                                                                                                                             340
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SFPELGIKK1
                                                                                                                                             340
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SFPELGIKK1
                                                                                                                                             340
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SFPELGIKK1
                                                                                                                                             340
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SFPELGIKKT
                                                                                                                                             340
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SFPELGIKK1
                                                                                                                                             340
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SFPELGIKKT
                                                                                                                                             340
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               SFPELGIKKT
                                                                                                                                             340
                                                                                                                                             250
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                               SFPELGIKKT
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                               SFPELGIKKT
                                                                                                                                             206
consensus
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              350
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                              262
                                                                                                                               DCKEFSWIDT
                                                                                                                                              350
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               DCKEFSWIDT
                                                                                                                                              350
                                                                                                                               DCKEFSWID1
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                              350
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               DCKEFSWIDT
                                                                                                                                              350
                                                                                                                               DCKEFSWID1
                                                                                                                                              350
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               DCKEFSWID1
                                                                                                                                              350
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               DCKEFSWIDT
DCKEFSWIDT
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                                              350
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              350
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               DCKEFSWID1
                                                                                                                                              350
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               DCKELSWID1
                                                                                                                                              350
                                                                                                                               DCKELSWID1
                                                                                                                                              350
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               DCKELSWID1
                                                                                                                                              350
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               DCKELSWIDT
                                                                                                                                              350
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               DCKELSWIDT
                                                                                                                                              350
                                                                                                                               DCKELSWIDT
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              350
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               DCKELSWIDT
                                                                                                                                              350
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                               93
                                                                                                                               DCKELSWIDT
                                                                                                                                              350
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               DCKELSWIDT
                                                                                                                                              350
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               DCKELSWIDT
                                                                                                                                              350
                                                                                                                               DCKELSWIDT
                                                                                                                                              350
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              295
                                                                                                                               DCKELSWIDT
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              350
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               DCKELSWIDT
                                                                                                                                              350
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               DCKELSWIDT
                                                                                                                                              350
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               DCKELSWID1
                                                                                                                                              350
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               DCKELSWIDT
                                                                                                                                              350
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               DCKELSWIDT
                                                                                                                                              350
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               DCKELSWIDT
                                                                                                                                              350
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               DCKELSWIDT
                                                                                                                                              350
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               DCKELSWID7
                                                                                                                                              350
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               DCKELSWID7
                                                                                                                                              350
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               DCKELSWIDT
                                                                                                                                              350
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               DCKELSWID7
                                                                                                                                              350
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               DCKELSWIDT
                                                                                                                                              350
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               DCKELSWIDT
                                                                                                                                              350
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                                              260
                                                                                                                               DCKELSWIDT
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                               DCKQLSWIDT
                                                                                                                                              216
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                360
                                                                                                                                  TIFYSGVVNF
                                                                                                                                                272
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                  TIFYSGVVNF
                                                                                                                                                360
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                  TIFYSGVVNF
                                                                                                                                                360
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                  TIFYSGVVNF
                                                                                                                                                360
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  TIFYSGVVN<mark>F</mark>
                                                                                                                                                360
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  TIFYSGVVN<mark>F</mark>
                                                                                                                                                360
                                                                                                                                                360
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  TIFYSGVVN<mark>F</mark>
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                                  TIFYSGVVNF
                                                                                                                                                360
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  TIFYSGVVN<mark>F</mark>
                                                                                                                                                360
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  TIFYSGVVN<mark>F</mark>
                                                                                                                                                360
                                                                                                                                  \mathtt{TIFYSGVVN}\overline{\mathtt{Y}}
                                                                                                                                                360
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                360
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  TIFYSGVVNY
                                                                                                                                  TIFYSGVVNY
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                360
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  TIFYSGVVNY
                                                                                                                                                360
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  TIFYSGVVNY
                                                                                                                                                360
                                                                                                                                  TIFYSGVVNY
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                360
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                  TIFYSGVVNY
                                                                                                                                                360
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                                 93
                                                                                                                                  TIFYSGVVNY
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                                360
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                  TIFYSGVVNY
                                                                                                                                                360
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  TIFYSGVVNY
                                                                                                                                                360
                                                                                                                                  TIFYSGVVNY
                                                                                                                                                360
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                                295
                                                                                                                                  TIFYSGVVNY
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                360
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  TIFYSGVVNY
                                                                                                                                                360
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  TIFYSGVVNY
                                                                                                                                                360
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  TIFYSGVVNY
                                                                                                                                                360
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  TIFYSGVVNY
                                                                                                                                                360
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  TIFYSGVVNY
                                                                                                                                                360
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  TIFYSGVVNY
                                                                                                                                                360
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  TIFYSGVVNY
                                                                                                                                                360
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  TIFYSGVVNY
                                                                                                                                                360
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  TIFYSGVVNY
                                                                                                                                                360
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  TIFYSGVVNY
                                                                                                                                                360
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  TIFYSGVVNY
                                                                                                                                                360
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                  TIFYSGVVNY
                                                                                                                                                360
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                360
                                                                                                                                  TIFYSGVVNY
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                                                270
                                                                                                                                 TIFYSGVVNY
                                                                                                                                 IIFYSGLVNY
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                                                226
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              370
                                                                                                                                              282
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                NTANFKKEII
                                                                                                                                              370
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
                                                                                                                                NTANFKKEII
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                NTANFKKEII
                                                                                                                                              370
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                NTANFKKEII
                                                                                                                                              370
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                NTANFKKEIL
                                                                                                                                              370
                                                                                                                                              370
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                NTANFKKEII
                                                                                                                                              370
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                NTANFKKEII
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                                NTANFKKEII
                                                                                                                                              370
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                NTANFKKEII
                                                                                                                                              370
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                NTANFKKEII
                                                                                                                                              370
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                NTANFKKEII
                                                                                                                                              370
                                                                                                                                              370
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                NTANFKKEII
                                                                                                                                              370
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                NTANFKKEII
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                NTANFKKEII
                                                                                                                                              370
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                NTANFKKEIL
                                                                                                                                              370
                                                                                                                                NTANFKKEII
                                                                                                                                              370
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                NTANFKKEII
                                                                                                                                              370
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                               93
                                                                                                                                NTANFKKEIL
                                                                                                                                              370
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                NTANFKKEIL
                                                                                                                                              370
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                NTANFKKEI<mark>F</mark>
                                                                                                                                              370
                                                                                                                                NTANFKKEIF
                                                                                                                                              370
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              295
                                                                                                                                <u>N</u>TANFKKEIL
                                                                                                                                              370
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                NTANFKKEIL
                                                                                                                                              370
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                NTANFKKEII
                                                                                                                                              370
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                NTANFKKEII
                                                                                                                                              370
                                                                                                                                              370
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                NTANFKKEII
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              370
                                                                                                                                NTANFKKEII
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                NTANFKKEII
                                                                                                                                              370
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              370
                                                                                                                                NTANFKKEII
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                NTANFKKEII
                                                                                                                                              370
                                                                                                                                              370
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                NTANFKKEII
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                NTANFKKEII
                                                                                                                                              370
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                NTANFKKEII
                                                                                                                                              370
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                NTANFKKEIL
                                                                                                                                              370
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                NTANFKKEIL
                                                                                                                                              370
                                                                                                                                              280
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                                NTTNFQKEIL
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                               NTTNFKKEIL
                                                                                                                                              236
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              380
                                                                                                                                LDRSAGKKTA
                                                                                                                                              292
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                LDRSAGKKTA
                                                                                                                                              380
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                LDRSAGKKTA
                                                                                                                                              380
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                LDRSAGKKTA
                                                                                                                                              380
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                LDRSAGKKTA
                                                                                                                                              380
                                                                                                                                              380
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                LDRSAGKKTA
                                                                                                                                              380
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                LDRSAGKKTA
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                                LDRSAGKKTA
                                                                                                                                              380
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                LDRSAGKKTA
                                                                                                                                              380
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                LDRSAGKKTA
                                                                                                                                              380
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                LDRSAGKKTA
                                                                                                                                              380
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                LDRSAGKKTA
                                                                                                                                              380
                                                                                                                                LDRS<mark>V</mark>GKKTA
                                                                                                                                              380
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                LDRS<mark>v</mark>GKKTA
                                                                                                                                              380
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                LDRSAGKKTA
                                                                                                                                              380
                                                                                                                                LDRSAGKKTA
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              380
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                LDRSAGKKTA
                                                                                                                                              380
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                               93
                                                                                                                                LDRSAGKKTA
                                                                                                                                              380
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                LDRSAGKKTA
                                                                                                                                              380
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                LDRSAGKKTA
                                                                                                                                              380
                                                                                                                                LDRSAGKKTA
                                                                                                                                              380
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              295
                                                                                                                                LDRSAGKKTA
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              380
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                LDRSAGKKTA
                                                                                                                                              380
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                LDRSAGKKTA
                                                                                                                                              380
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                LDRSAGKKTA
                                                                                                                                              380
                                                                                                                                              380
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                LDRSAGKKTA
                                                                                                                                LDRSAGKKTA
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              380
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                LDRSAGKKTA
                                                                                                                                              380
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                LDRSAGKKTA
                                                                                                                                              380
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                LDRSAGKKTA
                                                                                                                                              380
                                                                                                                                LDRSAGKKTA
                                                                                                                                              380
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                LDRSAGKKTA
                                                                                                                                              380
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                LDRSAGKKTA
                                                                                                                                              380
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                LDRSAGKKTA
                                                                                                                                              380
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                LDRSAGKKTA
                                                                                                                                              380
                                                                                                                               LDRSAGQKVA
                                                                                                                                              290
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                               LDRSGGRKAA
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                                              246
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             390
                                                                                                                               FSIKLDYVKK
                                                                                                                                             302
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                             390
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
                                                                                                                               FSIKLDYVKK
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               FSIKLDYVK
                                                                                                                                             390
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               FSIKLDYVK
                                                                                                                                             390
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FSIKLDYVKK
                                                                                                                                             390
                                                                                                                                             390
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FSIKLDYVKK
                                                                                                                                             390
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FSIKLDYVK
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                               FSIKLDYVK
                                                                                                                                             390
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FSIKLDYVK
                                                                                                                                             390
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FSIKLDYVKK
                                                                                                                                             390
                                                                                                                               FSIKLDYVKK
                                                                                                                                             390
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             390
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FSIKLDYVK
                                                                                                                               FSIKLDYVK
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             390
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FSIKLDYVK
                                                                                                                                             390
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FSIKLDYVKK
                                                                                                                                             390
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FSIKLDYVKK
                                                                                                                                             390
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               FSIKLDYVKK
                                                                                                                                             390
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              93
                                                                                                                               FSIKLDYVKK
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                             390
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               FSIKLDYVKK
                                                                                                                                             390
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FSIKLDYVKK
                                                                                                                                             390
                                                                                                                                             390
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FSIKLDYVK
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                             295
                                                                                                                               FSIKLDYVKK
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             390
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FSIKLDYVKK
                                                                                                                                             390
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FSIKLDYVKK
                                                                                                                                             390
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FSIKLDYVK
                                                                                                                                             390
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FSIKLDYVKK
                                                                                                                                             390
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FSIKLDYVKK
                                                                                                                                             390
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FSIKLDYVKK
                                                                                                                                             390
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FSIKLDYVKK
                                                                                                                                             390
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FSIKLDYVK
                                                                                                                                             390
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FSIKLDYVKK
                                                                                                                                             390
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FSIKLDYVK
                                                                                                                                             390
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FSIKLDYVKK
                                                                                                                                             390
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FSIKLDYVKK
                                                                                                                                             390
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FSIKLDYVKK
                                                                                                                                             390
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                               FSIKLDYVKK
                                                                                                                                             300
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                               FSIKLDYVKK
                                                                                                                                             256
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             400
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                               PIPETAMVK1
                                                                                                                                             312
                                                                                                                                             400
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
                                                                                                                               PIPETAMVKI
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               PIPETAMVKI
                                                                                                                                             400
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               PIPETAMVKI
                                                                                                                                             400
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               PIPETAMVKI
                                                                                                                                             400
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               PIPETAMVK1
                                                                                                                                             400
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               PIPETAMVKI
                                                                                                                                             400
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                               PIPETAMVKI
                                                                                                                                             400
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               PIPETAMVK1
                                                                                                                                             400
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               PIPETAMVKI
                                                                                                                                             400
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               LIPETAMVKI
                                                                                                                                             400
                                                                                                                                             400
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               LIPETAMVKI
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               LIPETAMVKI
                                                                                                                                             400
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               LIPETAMVKI
                                                                                                                                             400
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               LIPETAMVKI
                                                                                                                                             400
                                                                                                                               LIPETAMVKI
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             400
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               LIPETAMVKI
                                                                                                                                             400
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              93
                                                                                                                               LIPETAMVKI
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                             400
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               LIPETAMVKI
                                                                                                                                             400
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               LIPETAMVKI
                                                                                                                                             400
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               LIPETAMVKI
                                                                                                                                             400
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                             295
                                                                                                                               LIPETAMVKI
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             400
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               LIPETAMVKI
                                                                                                                                             400
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               LIPETAMVKI
                                                                                                                                             400
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               LIPETAMVKI
                                                                                                                                             400
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               LIPETAMVKI
                                                                                                                                             400
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               LIPETAMVKI
                                                                                                                                             400
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               LIPETAMVKI
                                                                                                                                             400
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               LIPETAMVKI
                                                                                                                                             400
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               LIPETAMVKI
                                                                                                                                             400
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               LIPETAMVKI
                                                                                                                                             400
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               LIPETAMVKI
                                                                                                                                             400
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               LIPETAMVKI
                                                                                                                                             400
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               LIPETAMVKI
                                                                                                                                             400
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               LIPETAMVKI
                                                                                                                                             400
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                              PIPETAIVKI
                                                                                                                                             310
                                                                                                                              PIPETAMVTI
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                                             266
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                               410
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                LEKLYEEDVG
                                                                                                                                               322
                                                                                                                                 LEKLYEE<mark>D</mark>VG
                                                                                                                                               410
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                LEKLYEEDVG
                                                                                                                                               410
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                LEKLYEEDVE
                                                                                                                                               410
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LEKLYEEDVE
                                                                                                                                               410
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                LEKLYEEDVG
                                                                                                                                               410
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LEKLYEE<mark>D</mark>VG
                                                                                                                                               410
                                                                                                                                LEKLYEEDVG
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                                               410
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LEKLYEE<mark>D</mark>VG
                                                                                                                                               410
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LEKLYEE<mark>D</mark>VG
                                                                                                                                               410
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LEKLYEE<del>E</del>VG
                                                                                                                                               410
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LEKLYEEEVG
                                                                                                                                               410
                                                                                                                                LEKLYEEEVG
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                               410
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LEKLYEEEVG
                                                                                                                                               410
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LEKLYEEEVG
                                                                                                                                               410
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LEKLYEEEVG
                                                                                                                                               410
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                LEKLYEEEVG
                                                                                                                                               410
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                                93
                                                                                                                                LEKLYEEEVG
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                               410
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                 LEKLYEEEVG
                                                                                                                                               410
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LEKLYEEEVG
                                                                                                                                               410
                                                                                                                                LEKLYEEEVG
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                               410
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                               295
                                                                                                                                 LEKLYEEEVG
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                               410
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LEKLYEEEVG
                                                                                                                                               410
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LEKLYEEEVG
                                                                                                                                               410
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                LEKLYEEEVG
                                                                                                                                               410
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                LEKLYEEEVG
                                                                                                                                               410
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                LEKLYEEEVG
                                                                                                                                               410
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LEKLYEEEVG
                                                                                                                                               410
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                LEKLYEEEVG
                                                                                                                                               410
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                LEKLYEEEVG
                                                                                                                                               410
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                LEKLYEEEVG
                                                                                                                                               410
                                                                                                                                LEKLYEEEVG
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                               410
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LEKLYEEEVG
                                                                                                                                               410
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LEKLYEEEVG
                                                                                                                                               410
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 LEKLYEEEVG
                                                                                                                                               410
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                                               320
                                                                                                                                LEKLYEEDVG
                                                                                                                                LEKLYEEDVG
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                                               276
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                               420
                                                                                                                                               332
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                               420
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
                                                                                                                                AGMYVLYPYG
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                AGMYVLYPYG
                                                                                                                                               420
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                AGMYVLYPYG
                                                                                                                                               420
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                <mark>A</mark>GMYVLYPYG
                                                                                                                                               420
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                <mark>A</mark>GMYVLYPYG
                                                                                                                                               420
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                AGMYVLYPYG
                                                                                                                                               420
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                                AGMYVLYPYG
                                                                                                                                               420
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                AGMYVLYPYG
                                                                                                                                               420
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VGMYVLYPYG
                                                                                                                                               420
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VGMYVLYPYG
                                                                                                                                               420
                                                                                                                                               420
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VGMYVLYPYG
                                                                                                                                VGMYVLYPYG
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                               420
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VGMYVLYPYG
                                                                                                                                               420
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VGMYVLYPYG
                                                                                                                                               420
                                                                                                                                VGMYVLYPYG
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                               420
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                VGMYVLYPYG
                                                                                                                                               420
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                                93
                                                                                                                                VGMYVLYPYG
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                               420
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                VGMYVLYPYG
                                                                                                                                               420
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VGMYVLYPYD
                                                                                                                                               420
                                                                                                                                VGMYVLYPY<mark>D</mark>
                                                                                                                                               420
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                               295
                                                                                                                                VGMYVLYPYG
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                               420
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VGMYVLYPYG
                                                                                                                                               420
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VGMYVLYPYG
                                                                                                                                               420
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VGMYVLYPYG
                                                                                                                                               420
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VGMYVLYPYG
                                                                                                                                               420
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VGMYVLYPYG
                                                                                                                                               420
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VGMYVLYPYG
                                                                                                                                               420
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VGMYVLYPYG
                                                                                                                                               420
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VGMYVLYPYG
                                                                                                                                               420
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VGMYVLYPYG
                                                                                                                                               420
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VGMYVLYPYG
                                                                                                                                               420
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VGMYVLYPYG
                                                                                                                                               420
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VGMYVLYPYG
                                                                                                                                               420
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                VGMYVLYPYG
                                                                                                                                               420
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                                AGMYV . . . . .
                                                                                                                                               325
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                                VGMFV....
                                                                                                                                               281
consensus
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             430
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                             342
                                                                                                                               GIMEEISESA
                                                                                                                                             430
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               GIMEEISESA
                                                                                                                                             430
                                                                                                                               GIMEEISESA
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                             430
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GIMEEISESA
                                                                                                                                             430
                                                                                                                               GIMEEISESA
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             430
                                                                                                                               GIMEEISESA
                                                                                                                                             430
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                               GIMEEISESA
                                                                                                                                             430
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GIMEEISESA
                                                                                                                                             430
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GIMEEISESA
                                                                                                                                             430
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GIMDEISESA
                                                                                                                                             430
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GIMDEISESA
                                                                                                                                             430
                                                                                                                               GIMDEISESA
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             430
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GIMDEISESA
                                                                                                                                             430
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GIMDEISEST
                                                                                                                                             430
                                                                                                                               GIMDEISEST
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             430
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               GIMDEISEST
                                                                                                                                             430
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              93
                                                                                                                               GIMDEISESA
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                             430
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               GIMDEISESA
                                                                                                                                             430
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GIMDEISESA
                                                                                                                                             430
                                                                                                                               GIMDEISESA
                                                                                                                                             430
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                             295
                                                                                                                               GIMDEISESA
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             430
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GIMDEISESA
                                                                                                                                             430
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GIMDEISESA
                                                                                                                                             430
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GIMDEISESA
                                                                                                                                             430
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GIMDEISESA
                                                                                                                                             430
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             430
                                                                                                                               GIMDEISESA
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GIMDEISESA
                                                                                                                                             430
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GIMDEISESA
                                                                                                                                             430
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GIMDEISESA
                                                                                                                                             430
                                                                                                                               GIMDEISESA
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             430
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GIMDEISESA
                                                                                                                                             430
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GIMDEISESA
                                                                                                                                             430
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GIMDEISESA
                                                                                                                                             430
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               GIMDEISESA
                                                                                                                                             430
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                                             325
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                                             281
                                                                                                                               *******
consensus
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             440
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                               IPFPHRAGIM
                                                                                                                                             352
                                                                                                                               IPFPHRAGIM
                                                                                                                                             440
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               IPFPHRAGIM
                                                                                                                                             440
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               IPFPHRAGIM
                                                                                                                                             440
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IPFPHRAGIM
                                                                                                                                             440
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IPFPHRAGIM
                                                                                                                                             440
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IPFPHRAGIM
                                                                                                                                             440
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                               IPFPHRAGIM
                                                                                                                                             440
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IPFPHRAGIM
                                                                                                                                             440
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IPFPHRAGIM
                                                                                                                                             440
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IPFPHRAGIM
                                                                                                                                             440
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IPFPHRAGIM
                                                                                                                                             440
                                                                                                                               IPFPHRAGIM
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             440
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IPFPHRAGIM
                                                                                                                                             440
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IPFPHRAGIM
                                                                                                                                             440
                                                                                                                               IPFPHRAGIM
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             440
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                               IPFLHRA...
                                                                                                                                             437
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              93
                                                                                                                               IPFPHRAGIM
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                             440
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               IPFPHRAGIM
                                                                                                                                             440
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IPFPHRAGIM
                                                                                                                                             440
                                                                                                                               IPFPHRAGIM
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             440
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                             295
                                                                                                                               IPFPHRAGIM
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             440
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IPFPHRAGIM
                                                                                                                                             440
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IPFPHRAGIM
                                                                                                                                             440
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IPFPHRAGIM
                                                                                                                                             440
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IPFPHRAGIM
                                                                                                                                             440
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IPFPHRAGIM
                                                                                                                                             440
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IPFPHRAGIM
                                                                                                                                             440
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IPFPHRAGIM
                                                                                                                                             440
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IPFPHRAGIM
                                                                                                                                             440
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IPFPHRAGIM
                                                                                                                                             440
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IPFPHRAGIM
                                                                                                                                             440
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IPFPHRAGIM
                                                                                                                                             440
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IPFPHRAGIM
                                                                                                                                             440
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               IPFPHRAGIM
                                                                                                                                             440
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                                             325
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                               . . . . . . . . . .
                                                                                                                                             281
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consensus
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                   450
                                                                                                                                    YELWYTA
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                                   362
                                                                                                                                    YELWYTASWE
                                                                                                                                                   450
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
                                                                                                                                    YELWYTA<mark>S</mark>WE
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                                   450
                                                                                                                                    YELWYTA<mark>S</mark>WE
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                                   450
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    YELWYTA<mark>S</mark>WE
                                                                                                                                                   450
                                                                                                                                    YELWYTA
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                   450
                                                                                                                                    YELWYTASWE
                                                                                                                                                   450
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                                    YELWYTA
                                                                                                                                                   450
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    YELWYTA<mark>S</mark>WE
                                                                                                                                                   450
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    YELWYTA<mark>S</mark>WE
                                                                                                                                                   450
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    YELWYTA<mark>T</mark>WE
                                                                                                                                                   450
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    YELWYTATWE
                                                                                                                                                   450
                                                                                                                                    YELWYTATWE
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                   450
                                                                                                                                    YELWYTA<mark>T</mark>WE
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                   450
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    YELWYTA<mark>T</mark>WE
                                                                                                                                                   450
                                                                                                                                    YELWYTATWE
                                                                                                                                                   450
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                                   437
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                                    93
                                                                                                                                    YELWY<mark>A</mark>ATWE
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                                   450
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                    YELWYTATWE
                                                                                                                                                   450
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    YELWYTATWE
                                                                                                                                                   450
                                                                                                                                    YELWYTATWE
                                                                                                                                                   450
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                                   295
                                                                                                                                    YELWYTA<mark>T</mark>WE
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                   450
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    YELWYTA<mark>T</mark>WE
                                                                                                                                                   450
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    YELWYTA<mark>T</mark>WE
                                                                                                                                                   450
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    YELWYTATWE
                                                                                                                                                   450
                                                                                                                                    YELWYTATWE
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                   450
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    YELWYTATWE
                                                                                                                                                   450
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    YELWYTATWE
                                                                                                                                                   450
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    YELWYTA<mark>T</mark>WE
                                                                                                                                                   450
                                                                                                                                    YELWYTATWE
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                   450
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    YELWYTATWE
                                                                                                                                                   450
                                                                                                                                    YELWYTATWE
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                   450
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    YELWYTATWE
                                                                                                                                                   450
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    YELWYTA<mark>T</mark>WE
                                                                                                                                                   450
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    YELWYTATWE
                                                                                                                                                   450
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                                                   325
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                                                   281
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consensus
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             460
                                                                                                                                KQEDNEKHIN
                                                                                                                                             372
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                             460
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
                                                                                                                               KQEDNEKHIN
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               KQEDNEKHIN
                                                                                                                                             460
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               KQEDNEKHIN
                                                                                                                                             460
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KQEDNEKHIN
                                                                                                                                             460
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KQEDNEKHIN
                                                                                                                                             460
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KQEDNEKHIN
                                                                                                                                             460
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                               KQEDNEKHIN
                                                                                                                                             460
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                KQEDNEKHIN
                                                                                                                                             460
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KQEDNEKHIN
                                                                                                                                             460
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KQEDNEKHIN
                                                                                                                                             460
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KQEDNEKHIN
                                                                                                                                             460
                                                                                                                               KQEDNEKHIN
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             460
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KQEDNEKHIN
                                                                                                                                             460
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KQEDNEKHIN
                                                                                                                                             460
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KQEDNEKHIN
                                                                                                                                             460
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                             437
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              93
                                                                                                                               KQEDNEKHIN
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                             460
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               KQEDNEKHIN
                                                                                                                                             460
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KQEDNEKHIN
                                                                                                                                             460
                                                                                                                               KQEDNEKHIN
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             460
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                             295
                                                                                                                               KQEDNEKHIN
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             460
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KQEDNEKHIN
                                                                                                                                             460
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KQEDNEKHIN
                                                                                                                                             460
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KQEDNEKHIN
                                                                                                                                             460
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KQEDNEKHIN
                                                                                                                                             460
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KQEDNEKHIN
                                                                                                                                             460
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KQEDNEKHIN
                                                                                                                                             460
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KQEDNEKHIN
                                                                                                                                             460
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KQEDNEKHIN
                                                                                                                                             460
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KQEDNEKHIN
                                                                                                                                             460
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KQEDNEKHIN
                                                                                                                                             460
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KQEDNEKHIN
                                                                                                                                             460
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KQEDNEKHIN
                                                                                                                                             460
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               KQEDNEKHIN
                                                                                                                                             460
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                                             325
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                                             281
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              470
                                                                                                                                              382
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                              470
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
                                                                                                                               WVRSVYNFTI
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               WVRSVYNFT
                                                                                                                                              470
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               WVRSVYNFTI
                                                                                                                                              470
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WVRSVYNFTI
                                                                                                                                              470
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WVRSVYNFTI
                                                                                                                                              470
                                                                                                                                              470
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WVRSVYNFTI
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                               WVRSVYNFTI
                                                                                                                                              470
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WVRSVYNFT
                                                                                                                                              470
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WVRSVYNFTI
                                                                                                                                              470
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WVRSVYNFTI
                                                                                                                                              470
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              470
                                                                                                                               WVRSVYNFTI
                                                                                                                               WVRSVYNFT
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              470
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WVRSVYNFTI
                                                                                                                                              470
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WVRSVYNFTI
                                                                                                                                              470
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                WVRSVYNFTI
                                                                                                                                              470
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              437
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                               93
                                                                                                                               WVRSVYNFT
                                                                                                                                              470
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               WVRSVYNFTI
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                              470
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                WVRSVYNFTI
                                                                                                                                              470
                                                                                                                                              470
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WVRSVYNFTI
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              295
                                                                                                                               WVRSVYNFT
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              470
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WVRSVYNFTT
                                                                                                                                              470
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WVRSVYNFTI
                                                                                                                                              470
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WVRSVYNFT
                                                                                                                                              470
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WVRSVYNFTI
                                                                                                                                              470
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WVRSVYNFT
                                                                                                                                              470
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WVRSVYNFTI
                                                                                                                                              470
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              470
                                                                                                                               WVRSVYNFT1
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WVRSVYNFTI
                                                                                                                                              470
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WVRSVYNFTI
                                                                                                                                              470
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WVRSVYNFT1
                                                                                                                                              470
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WVRSVYNFTI
                                                                                                                                              470
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               WVRSVYNFTT
                                                                                                                                              470
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                WVRSVYNFTT
                                                                                                                                              470
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                                              325
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                               . . . . . . . . . .
                                                                                                                                              281
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             480
                                                                                                                               PYVSQNPRLA
                                                                                                                                             392
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                               PYVSQNPRLA
                                                                                                                                             480
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               PYVSQNPRLA
                                                                                                                                             480
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               PYVSQNPRLA
                                                                                                                                             480
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               PYVSQNPRLA
                                                                                                                                             480
                                                                                                                               PYVSQNPRLA
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             480
                                                                                                                                             480
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               PYVSQNPRLA
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                               PYVSQNPRLA
                                                                                                                                             480
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               PYVSQNPRLA
                                                                                                                                             480
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               PYVSQNPRLA
                                                                                                                                             480
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               PYVSQNPRLA
                                                                                                                                             480
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               PYVSQNPRLA
                                                                                                                                             480
                                                                                                                               PYVSQNPRLA
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             480
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               PYVSQNPRLA
                                                                                                                                             480
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               PYVSQNPRLA
                                                                                                                                             480
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               PYVSQNPRLA
                                                                                                                                             480
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                             437
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              93
                                                                                                                               PYVSQNPRLA
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                             480
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               PYVSQNPRLA
                                                                                                                                             480
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               PCVSQNPRLA
                                                                                                                                             480
                                                                                                                               PCVSQNPRLA
                                                                                                                                             480
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                             295
                                                                                                                               PYVSQNPRLA
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             480
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               PYVSQNPRLA
                                                                                                                                             480
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               PYVSQNPRLA
                                                                                                                                             480
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               PYVSQNPRLA
                                                                                                                                             480
                                                                                                                               PYVSQNPRLA
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             480
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               PYVSQNPRLA
                                                                                                                                             480
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               PYVSQNPRLA
                                                                                                                                             480
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               PYVSQNPRLA
                                                                                                                                             480
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               PYVSQNPRLA
                                                                                                                                             480
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               PYVSQNPRLA
                                                                                                                                             480
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               PYVSQNPRLA
                                                                                                                                             480
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               PYVSQNPRLA
                                                                                                                                             480
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               PYVSQNPRLA
                                                                                                                                             480
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               PYVSQNPRLA
                                                                                                                                             480
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                                             325
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                                             281
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             490
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                               YLNYRDLDLG
                                                                                                                                             402
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
                                                                                                                               YLNYRDLDLG
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             490
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
                                                                                                                               YLNYRDLDLG
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             490
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                             437
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              93
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                             295
                                                                                                                               YLNYRDLDLG
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                             490
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               YLNYRDLDLG
                                                                                                                                             490
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                                             325
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                                             281
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consensus
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                     500
                                                                                                                                      KTNHASP...
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                                     409
                                                                                                                                      KTNHASPNNY
                                                                                                                                                     500
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                      KTN<mark>HA</mark>SPNNY
                                                                                                                                                     500
                                                                                                                                      KTN<mark>HA</mark>SPNNY
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                                     500
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                      KTN<mark>HA</mark>SPNNY
                                                                                                                                                     500
                                                                                                                                      KTN<mark>HA</mark>SPNNY
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                     500
                                                                                                                                      KTN<mark>HA</mark>SPNNY
                                                                                                                                                     500
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                                      KTNHASPNNY
                                                                                                                                                     500
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                      KTN<mark>HA</mark>SPNNY
                                                                                                                                                     500
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                      KTN<mark>HA</mark>SPNNY
                                                                                                                                                     500
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                      KTN<mark>PE</mark>SPNNY
                                                                                                                                                     500
                                                                                                                                      KTNPESPNNY
                                                                                                                                                     500
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                      KTNPESPNNY
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                     500
                                                                                                                                      KTN<mark>PE</mark>SPNNY
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                     500
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                      KTN<mark>PE</mark>SPNNY
                                                                                                                                                     500
                                                                                                                                      KTN<mark>PE</mark>SPNNY
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                     500
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                                     437
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                                      93
                                                                                                                                      KTN<mark>PE</mark>SPNNY
                                                                                                                                                     500
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                      KTN<mark>PE</mark>SPNNY
                                                                                                                                                     500
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                      K<mark>SN</mark>PESPNNY
                                                                                                                                                     500
                                                                                                                                      K<mark>SN</mark>PESPNNY
                                                                                                                                                     500
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                                     295
                                                                                                                                      KTNPESPNNY
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                     500
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                      KTNPESPNNY
                                                                                                                                                     500
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                      KTN<mark>PE</mark>SPNNY
                                                                                                                                                     500
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                      KTN<mark>PE</mark>SPNNY
                                                                                                                                                     500
                                                                                                                                      KTNPESPNNY
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                     500
                                                                                                                                      KTNPESPNNY
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                     500
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                      KTNPESPNNY
                                                                                                                                                     500
                                                                                                                                      KTN<mark>PE</mark>SPNNY
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                     500
                                                                                                                                      KTNPESPNNY
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                     500
                                                                                                                                      KTNPESPNNY
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                     500
                                                                                                                                      KTNPESPNNY
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                     500
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                      KTNPESPNNY
                                                                                                                                                     500
                                                                                                                                      KTNPESPNNY
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                     500
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                     500
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                                                     325
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                                                     281
                                                                                                                                      . . . . . . . . . .
consensus
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              510
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                              409
                                                                                                                               TQARIWGEKY
                                                                                                                                              510
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               TQARIWGEKY
                                                                                                                                              510
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               TQARIWGEKY
                                                                                                                                              510
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               TQARIWGEKY
                                                                                                                                              510
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               TQARIWGEKY
                                                                                                                                              510
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               TQARIWGEKY
                                                                                                                                              510
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                               TQARIWGEKY
                                                                                                                                              510
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               TQARIWGEKY
                                                                                                                                              510
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               TQARIWGEKY
                                                                                                                                              510
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              510
                                                                                                                               TQARIWGEKY
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              510
                                                                                                                               TQARIWGEKY
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               TQARIWGEKY
                                                                                                                                              510
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               TQARIWGEKY
                                                                                                                                              510
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               TQARIWGEKY
                                                                                                                                              510
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               TQARIWGEKY
                                                                                                                                              510
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              437
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                               93
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               TQARIWGEKY
                                                                                                                                              510
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               TQARIWGEKY
                                                                                                                                              510
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               TQARIWGEKY
                                                                                                                                              510
                                                                                                                               TQARIWGEKY
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              510
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              295
                                                                                                                               TQARIWGEKY
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              510
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               TQARIWGEKY
                                                                                                                                              510
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               TQARIWGEKY
                                                                                                                                              510
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               TQARIWGEKY
                                                                                                                                              510
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               TQARIWGEKY
                                                                                                                                              510
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              510
                                                                                                                               TQARIWGEKY
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               TQARIWGEKY
                                                                                                                                              510
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               TQARIWGEKY
                                                                                                                                              510
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               TQARIWGEKY
                                                                                                                                              510
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               TQARIWGEKY
                                                                                                                                              510
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               TQARIWGEKY
                                                                                                                                              510
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               TQARIWGEKY
                                                                                                                                              510
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               TQARIWGEKY
                                                                                                                                              510
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               TQARIWGEKY
                                                                                                                                              510
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                                              325
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                               . . . . . . . . . .
                                                                                                                                              281
consensus
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              520
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                              409
                                                                                                                               FGKNFNRLVK
                                                                                                                                              520
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                               FGKNFNRLVK
                                                                                                                                              520
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                              520
                                                                                                                               FGKNFNRLVK
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FGKNFNRLVK
                                                                                                                                              520
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FGKNFNRLVK
                                                                                                                                              520
                                                                                                                                              520
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FGKNFNRLVK
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                               FGKNFNRLV
                                                                                                                                              520
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FGKNFNRLVK
                                                                                                                                              520
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FGKNFNRLVK
                                                                                                                                              520
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FGKNFNRLVK
                                                                                                                                              520
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              520
                                                                                                                               FGKNFNRLVK
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FGKNFNRLVÞ
                                                                                                                                              520
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FGKNFNRLVK
                                                                                                                                              520
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FGKNFNRLVK
                                                                                                                                              520
                                                                                                                               FGKNFNRLVK
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              520
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              437
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                               93
                                                                                                                               FGKNFNRLVK
                                                                                                                                              520
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                               FGKNFNRLVK
                                                                                                                                              520
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FGKNFNRLVK
                                                                                                                                              520
                                                                                                                               FGKNFNRLVK
                                                                                                                                              520
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              295
                                                                                                                               FGKNFNRLVK
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              520
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FGKNFNRLVK
                                                                                                                                              520
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FGKNFNRLVK
                                                                                                                                              520
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FGKNFNRLVK
                                                                                                                                              520
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FGKNFNRLVK
                                                                                                                                              520
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              520
                                                                                                                               FGKNFNRLVK
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FGKNFNRLVK
                                                                                                                                              520
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FGKNFNRLVK
                                                                                                                                              520
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FGKNFNRLVK
                                                                                                                                              520
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FGKNFNRLVK
                                                                                                                                              520
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FGKNFNRLVK
                                                                                                                                              520
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FGKNFNRLVK
                                                                                                                                              520
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FGKNFNRLVK
                                                                                                                                              520
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                               FGKNFNRLVK
                                                                                                                                              520
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                                              325
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                               . . . . . . . . . .
                                                                                                                                              281
consensus
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                   530
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                                   409
                                                                                                                                    VKTK V DPNNF
                                                                                                                                                   530
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                    VKTKVDPNNF
                                                                                                                                                   530
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                    VKTKVDPNNF
                                                                                                                                                   530
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    VKTK<mark>V</mark>DPNNF
                                                                                                                                                   530
                                                                                                                                    VKTK<mark>V</mark>DPNNF
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                   530
                                                                                                                                    VKTK VDPNNF
                                                                                                                                                   530
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                                    VKTK<mark>V</mark>DPNNF
                                                                                                                                                   530
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    VKTK<mark>V</mark>DPNNF
                                                                                                                                                   530
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    VKTKVDPNNF
                                                                                                                                                   530
                                                                                                                                    VKTKADPNNF
                                                                                                                                                   530
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    VKTKADPNNF
                                                                                                                                                   530
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    VKTK<mark>A</mark>DPNNF
                                                                                                                                                   530
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    VKTKADPNNF
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                   530
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    VKTKADPNNF
                                                                                                                                                   530
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                   530
                                                                                                                                    VKTK<mark>A</mark>DPNNF
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                                   437
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                                   93
                                                                                                                                    VKTK<mark>A</mark>DPNNF
                                                                                                                                                   530
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                    VKTKADPNNF
                                                                                                                                                   530
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    VKTK<mark>A</mark>DPNNF
                                                                                                                                                   530
                                                                                                                                    VKTKADPNNF
                                                                                                                                                   530
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                                   295
                                                                                                                                    VKTKADPNNF
                                                                                                                                                   530
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    VKTKADPNNF
                                                                                                                                                   530
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    VKTKADPNNF
                                                                                                                                                   530
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    VKTKADPNNF
                                                                                                                                                   530
                                                                                                                                    VKTKADPNNF
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                   530
                                                                                                                                    VKTK<mark>A</mark>DPNNF
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                   530
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    VKTKADPNNF
                                                                                                                                                   530
                                                                                                                                    VKTKADPNNF
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                   530
                                                                                                                                    VKTKADPNNF
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                                   530
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    VKTKADPNNF
                                                                                                                                                   530
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                   VKTK<mark>A</mark>DPNNF
                                                                                                                                                   530
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    VKTKADPNNF
                                                                                                                                                   530
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    VKTK<mark>A</mark>DPNNF
                                                                                                                                                   530
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                    VKTK<mark>A</mark>DPNNF
                                                                                                                                                   530
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                                                   325
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
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consensus
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              540
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                              409
                                                                                                                                FRNEQSIPPI
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
                                                                                                                                              540
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                FRNEQSIPPI
                                                                                                                                              540
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                              540
                                                                                                                                FRNEQSIPPI
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                FRNEQSIPPI
                                                                                                                                              540
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                FRNEQSIPPI
                                                                                                                                              540
                                                                                                                                              540
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                FRNEQSIPPI
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                                FRNEQSIPPI
                                                                                                                                              540
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                FRNEQSIPPI
                                                                                                                                              540
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                FRNEQSIPPI
                                                                                                                                              540
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                FRNEQSIPPI
                                                                                                                                              540
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                FRNEQSIPPI
                                                                                                                                              540
                                                                                                                                FRNEQSIPPI
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              540
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                FRNEQSIPPI
                                                                                                                                              540
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                FRNEQSIPPI
                                                                                                                                              540
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                FRNEQSIPPI
                                                                                                                                              540
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              437
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                FRNEQSIPPL
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                              540
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                FRNEQSIPPI
                                                                                                                                              540
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                FRNEQSIPPI
                                                                                                                                              540
                                                                                                                                FRNEQSIPPI
                                                                                                                                              540
tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                              295
                                                                                                                                FRNEQSIPPI
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                              540
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                FRNEQSIPPI
                                                                                                                                              540
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                FRNEQSIPPI
                                                                                                                                              540
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                FRNEQSIPPI
                                                                                                                                              540
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                FRNEQSIPPI
                                                                                                                                              540
tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                FRNEQSIPPI
                                                                                                                                              540
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                FRNEQSIPPI
                                                                                                                                              540
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                FRNEQSIPPI
                                                                                                                                              540
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                FRNEQSIPPI
                                                                                                                                              540
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                FRNEQSIPPI
                                                                                                                                              540
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                FRNEQSIPPI
                                                                                                                                              540
tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                FRNEQSIPPI
                                                                                                                                              540
tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                FRNEQSIPPL
                                                                                                                                              540
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                FRNEQSIPPL
                                                                                                                                              540
                                                                                                                                              325
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
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consensus
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tr AOA142EGH9 AOA142EGH9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                          544
tr AOA2Z6C8F6 AOA2Z6C8F6 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA PE 4 SV 1
                                                                                                                                          409
                                                                                                                                 PPHHH
                                                                                                                                          545
sp Q8GTB6 THCAS CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 1 SV 1
                                                                                                                                 PPHHH
tr AOAOE3TIK8 AOAOE3TIK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                          545
                                                                                                                                 PPHHH
tr AOAOE3TIL1 AOAOE3TIL1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 2 SV 1
                                                                                                                                          545
tr AOA142EGH4 AOA142EGH4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PPHH.
                                                                                                                                          544
tr AOA142EGK4 AOA142EGK4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PPHHH
                                                                                                                                          545
                                                                                                                                 PPHH
tr AOA142EGH6 AOA142EGH6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                          544
                                                                                                                                 PPHHH
tr AOAOE3XJ68 AOAOE3XJ68 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA1 PE 2 SV 1
                                                                                                                                          545
tr AOA142EGI7 AOA142EGI7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PPHH.
                                                                                                                                          544
tr AOA142EGN5 AOA142EGN5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PPHHH
                                                                                                                                          545
                                                                                                                                 PPHH.
tr AOA142EGI9 AOA142EGI9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                          544
                                                                                                                                 PPHHH
                                                                                                                                          545
tr AOA142EGL7 AOA142EGL7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PPHHH
tr AOA142EGLO AOA142EGLO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                          545
tr AOA142EGI2 AOA142EGI2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PPHH.
                                                                                                                                          544
tr AOA142EGI4 AOA142EGI4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PPHH.
                                                                                                                                          544
                                                                                                                                 PPHH<mark>H</mark>
tr AOA142EGL2 AOA142EGL2 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                          545
                                                                                                                                          437
tr AOA142EGMO AOA142EGMO CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                          93
tr AOA142EGH2 AOA142EGH2 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                 PPRHH
tr AOAOH3UZU9 AOAOH3UZU9 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                          545
                                                                                                                                 PPRHH
tr AOAOH3UZP6 AOAOH3UZP6 CANSA Tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 GN THCA2 PE 3 SV 1
                                                                                                                                          545
                                                                                                                                 PPHH.
tr AOA142EGJ1 AOA142EGJ1 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
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tr AOA142EGL9 AOA142EGL9 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PPHHH
                                                                                                                                          545
tr AOA142EGL4 AOA142EGL4 CANSA Truncated THCA synthase OS Cannabis sativa OX 3483 PE 4 SV 1
                                                                                                                                          295
                                                                                                                                 PPHH.
tr AOA142EGH8 AOA142EGH8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                          544
sp Q33DQ2 THCAI CANSA Inactive tetrahydrocannabinolic acid synthase OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PPHHH
                                                                                                                                          545
tr AOA142EGK3 AOA142EGK3 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PPHH<mark>H</mark>
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                                                                                                                                 PPHH<mark>H</mark>
                                                                                                                                          545
tr AOA142EGM5 AOA142EGM5 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
tr AOA142EGJ7 AOA142EGJ7 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PPHH.
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tr Q33DQ0 Q33DQ0 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PPHHH
                                                                                                                                          545
tr Q33DP7 Q33DP7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PPHHH
                                                                                                                                          545
tr Q33DP2 Q33DP2 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PPHHH
                                                                                                                                          545
tr Q33DP3 Q33DP3 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PPHHH
                                                                                                                                          545
tr Q33DP4 Q33DP4 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PPHHH
                                                                                                                                          545
tr AOA142EGJ6 AOA142EGJ6 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PPHH.
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tr AOA142EGM4 AOA142EGM4 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PPHHH
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tr AOA142EGIO AOA142EGIO CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PPHH.
                                                                                                                                          544
tr AOA142EGK8 AOA142EGK8 CANSA THCA synthase (Fragment) OS Cannabis sativa OX 3483 PE 3 SV 1
                                                                                                                                 PPHHH
                                                                                                                                          545
tr AOAOH3UZT7 AOAOH3UZT7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA4 PE 4 SV 1
                                                                                                                                          325
tr AOAOH3VOW7 AOAOH3VOW7 CANSA Tetrahydrocannabinolic acid synthase (Fragment) OS Cannabis sativa OX 3483 GN THCA5 PE 4 SV 1
                                                                                                                                          281
consensus
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non conserved > 50% conserved