

SEQUENCE LISTING

<110> Galderma

5 <120> Screening for modulators of CYP2B15 and/or GPD1 for the treatment of acne, of
seborrhoeic dermatitis or of hyperseborrhoea

<130> DB0183-CYP2B15-GPD1

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<170> PatentIn version 3.3

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<222> (18)..(1517)

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 Pro Ile Gly Val Pro His Arg Val Thr Lys Asp Thr Met Phe Arg Gly
 365 370 375
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 tac ctg ctt ccc aag aac act gaa gtg tac ccc atc ctg agt tca gct 1202
 Tyr Leu Leu Pro Lys Asn Thr Glu Val Tyr Pro Ile Leu Ser Ser Ala
 380 385 390 395
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 ctc cat gac cca cag tac ttt gac cac cca gac agc ttc aat cct gaa 1250
 Leu His Asp Pro Gln Tyr Phe Asp His Pro Asp Ser Phe Asn Pro Glu
 400 405 410
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 cac ttc ctg gat gcc aat ggg gca ctg aaa aag agt gaa gct ttc atg 1298
 His Phe Leu Asp Ala Asn Gly Ala Leu Lys Lys Ser Glu Ala Phe Met
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 aat gaa ttg ttc ctc ttc ttc acc acc atc ctc cag aac ttc tct gtg 1394
 Asn Glu Leu Phe Leu Phe Phe Thr Thr Ile Leu Gln Asn Phe Ser Val
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 tca agc cat ttg gct ccc aag gac att gac ctc acg ccc aag gag agt 1442
 Ser Ser His Leu Ala Pro Lys Asp Ile Asp Leu Thr Pro Lys Glu Ser
 460 465 470 475
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 ggc att gga aaa ata cct cca acg tac cag atc tgc ttc tca gct cgg 1490
 Gly Ile Gly Lys Ile Pro Pro Thr Tyr Gln Ile Cys Phe Ser Ala Arg
 480 485 490
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25 Gly Pro Arg Pro Leu Pro Leu Leu Gly Asn Leu Leu Gln Leu Asp Arg
35 40 45

Gly Gly Leu Leu Asn Ser Phe Met Gln Leu Arg Glu Lys Tyr Gly Asp
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30 Val Phe Thr Val His Leu Gly Pro Arg Pro Val Val Met Leu Cys Gly
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35 Thr Asp Thr Ile Lys Glu Ala Leu Val Gly Gln Ala Glu Asp Phe Ser
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40 Gly Arg Gly Thr Ile Ala Val Ile Glu Pro Ile Phe Lys Glu Tyr Gly
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45 Val Ile Phe Ala Asn Gly Glu Arg Trp Lys Ala Leu Arg Arg Phe Ser
115 120 125

Leu Ala Thr Met Arg Asp Phe Gly Met Gly Lys Arg Ser Val Glu Glu
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Arg Ile Gln Glu Glu Ala Gln Cys Leu Val Glu Glu Leu Arg Lys Ser
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Gln Gly Ala Pro Leu Asp Pro Thr Phe Leu Phe Gln Cys Ile Thr Ala
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Asn Ile Ile Cys Ser Ile Val Phe Gly Glu Arg Phe Asp Tyr Thr Asp
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Arg Gln Phe Leu Arg Leu Leu Glu Leu Phe Tyr Arg Thr Phe Ser Leu
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Leu Ser Ser Phe Ser Ser Gln Val Phe Glu Phe Phe Ser Gly Phe Leu
 210 215 220

25

Lys Tyr Phe Pro Gly Ala His Arg Gln Ile Ser Lys Asn Leu Gln Glu
 225 230 235 240

Ile Leu Asp Tyr Ile Gly His Ile Val Glu Lys His Arg Ala Thr Leu
 245 250 255

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Asp Pro Ser Ala Pro Arg Asp Phe Ile Asp Thr Tyr Leu Leu Arg Met
 260 265 270

35

Glu Lys Glu Lys Ser Asn His His Thr Val Phe His His Glu Asn Leu
 275 280 285

40

Met Ile Ser Leu Leu Ser Leu Phe Phe Ala Gly Thr Glu Thr Ser Ser
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45

Thr Thr Leu Arg Tyr Gly Phe Leu Leu Met Leu Lys Tyr Pro His Val
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Ala Glu Lys Val Gln Lys Glu Ile Asp Gln Val Ile Gly Ser His Arg
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Leu Pro Thr Leu Asp Asp Arg Ser Lys Met Pro Tyr Thr Asp Ala Val
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5 Ile His Glu Ile Gln Arg Phe Ser Asp Leu Val Pro Ile Gly Val Pro
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10 His Arg Val Thr Lys Asp Thr Met Phe Arg Gly Tyr Leu Leu Pro Lys
 370 375 380

15 Asn Thr Glu Val Tyr Pro Ile Leu Ser Ser Ala Leu His Asp Pro Gln
 385 390 395 400

Tyr Phe Asp His Pro Asp Ser Phe Asn Pro Glu His Phe Leu Asp Ala
 405 410 415

20 Asn Gly Ala Leu Lys Lys Ser Glu Ala Phe Met Pro Phe Ser Thr Gly
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25 Lys Arg Ile Cys Leu Gly Glu Gly Ile Ala Arg Asn Glu Leu Phe Leu
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30 Phe Phe Thr Thr Ile Leu Gln Asn Phe Ser Val Ser Ser His Leu Ala
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 Ile Val Gly Ser Gly Asn Trp Gly Ser Ala Ile Ala Lys Ile Val Gly
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 Gly Asn Ala Ala Gln Leu Ala Gln Phe Asp Pro Arg Val Thr Met Trp
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 15 gta ttt gag gaa gac att gga ggc aaa aag ctg act gag atc atc aac 198
 Val Phe Glu Glu Asp Ile Gly Gly Lys Lys Leu Thr Glu Ile Ile Asn
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 acg cag cat gag aat gtc aaa tac ctg cca ggg cac aag ttg ccc cca 246
 20 Thr Gln His Glu Asn Val Lys Tyr Leu Pro Gly His Lys Leu Pro Pro
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 aat gtg gtg gct gtc cca gat gtg gtc cag gct gca gag gat gct gac 294
 25 Asn Val Val Ala Val Pro Asp Val Val Gln Ala Ala Glu Asp Ala Asp
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 atc ctg atc ttt gtg gtg ccc cat cag ttc atc ggc aag atc tgt gac 342
 Ile Leu Ile Phe Val Val Pro His Gln Phe Ile Gly Lys Ile Cys Asp
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 cag ctc aag ggc cat ctg aag gca aac gcc act ggc ata tct ctt att 390
 Gln Leu Lys Gly His Leu Lys Ala Asn Ala Thr Gly Ile Ser Leu Ile
 105 110 115

 35 aag ggg gta gac gag ggc ccc aat ggg ctg aag ctc atc tcg gaa gtg 438
 Lys Gly Val Asp Glu Gly Pro Asn Gly Leu Lys Leu Ile Ser Glu Val
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 att gcc agc gag gtg gct gat gag aag ttc tgt gag aca acc att ggc 534
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 Cys Lys Asp Pro Ala Gln Gly Gln Leu Leu Lys Glu Leu Met Gln Thr
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cca aac ttc cgt atc aca gtg gtg caa gag gtg gac aca gta gag atc 630
 Pro Asn Phe Arg Ile Thr Val Val Gln Glu Val Asp Thr Val Glu Ile
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5 tgt gga gcc tta aag aat gta gtg gcc gtg ggg gct ggc ttc tgt gat 678
 Cys Gly Ala Leu Lys Asn Val Val Ala Val Gly Ala Gly Phe Cys Asp
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10 ggc ctg ggc ttt ggc gac aac acc aag gcg gca gtg atc cgg ctg gga 726
 Gly Leu Gly Phe Gly Asp Asn Thr Lys Ala Ala Val Ile Arg Leu Gly
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15 ctc atg gag atg ata gcc ttc gcc aag ctc ttc tgc agt ggc cct gtg 774
 Leu Met Glu Met Ile Ala Phe Ala Lys Leu Phe Cys Ser Gly Pro Val
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20 tcc tct gcc acc ttc ttg gag agc tgt ggt gtt gct gac ctg atc act 822
 Ser Ser Ala Thr Phe Leu Glu Ser Cys Gly Val Ala Asp Leu Ile Thr
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25 acc tgc tat gga ggg cgg aac cgg aaa gtg gct gag gcc ttt gcg cgt 870
 Thr Cys Tyr Gly Gly Arg Asn Arg Lys Val Ala Glu Ala Phe Ala Arg
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 Thr Gly Lys Ser Ile Glu Gln Leu Glu Lys Glu Leu Leu Asn Gly Gln
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30 aaa ctg cag ggg ccc gag aca gcc cgg gag cta tac agc atc ctc cag 966
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35 cac aag ggc ctg gta gac aag ttt ccc ttg ttc atg gct gtg tac aag 1014
 His Lys Gly Leu Val Asp Lys Phe Pro Leu Phe Met Ala Val Tyr Lys
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 Val Cys Tyr Glu Gly Gln Pro Val Gly Glu Phe Ile His Cys Leu Gln
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 Asn His Pro Glu His Met
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 Lys Leu Thr Glu Ile Ile Asn Thr Gln His Glu Asn Val Lys Tyr Leu
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 Pro Gly His Lys Leu Pro Pro Asn Val Val Ala Val Pro Asp Val Val
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 35 Gln Ala Ala Glu Asp Ala Asp Ile Leu Ile Phe Val Val Pro His Gln
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 40 Phe Ile Gly Lys Ile Cys Asp Gln Leu Lys Gly His Leu Lys Ala Asn
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 Ala Thr Gly Ile Ser Leu Ile Lys Gly Val Asp Glu Gly Pro Asn Gly
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 Leu Lys Leu Ile Ser Glu Val Ile Gly Glu Arg Leu Gly Ile Pro Met
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Ser Val Leu Met Gly Ala Asn Ile Ala Ser Glu Val Ala Asp Glu Lys
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Phe Cys Glu Thr Thr Ile Gly Cys Lys Asp Pro Ala Gln Gly Gln Leu
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25 Ala Ala Val Ile Arg Leu Gly Leu Met Glu Met Ile Ala Phe Ala Lys
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45 Glu Leu Tyr Ser Ile Leu Gln His Lys Gly Leu Val Asp Lys Phe Pro
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Leu Phe Met Ala Val Tyr Lys Val Cys Tyr Glu Gly Gln Pro Val Gly
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Glu Phe Ile His Cys Leu Gln Asn His Pro Glu His Met
340 345