

SDR families

version 1, 19.12.2008

SDR family designation	Family name	Uniprot representative	# mbrs	M	E	B	A
SDR1E	UDP-glucose 4-epimerase	GALE_HUMAN	1350	x	x	x	x
SDR2E	dTDP-D-glucose 4,6-dehydratase	TGDS_HUMAN	1144	x	x	x	x
SDR3E	GDP-mannose 4,6 dehydratase	GMDS_HUMAN	663	x	x	x	x
SDR4E	GDP-L-fucose synthetase	FCL_HUMAN	488	x	x	x	x
SDR5C	3-hydroxyacyl-CoA dehydrogenase type II	HCD2_HUMAN	424	x	x	x	
SDR6E	UDP-glucuronic acid decarboxylase	UXS1_HUMAN	447	x	x	x	x
SDR7C	Retinol dehydrogenase	RDH14_HUMAN	428	x	x	x	x
SDR8C	Peroxisomal multifunctional enzyme	DHB4_HUMAN	231	x	x	x	
SDR9C	Steroid and retinol dehydrogenase	DHB2_HUMAN	134	x	x		
SDR10E	Fatty acyl-CoA reductase	FACR1_HUMAN	276	x	x		
SDR11E	3 beta-hydroxysteroid dehydrogenase	3BHS1_HUMAN	117	x	x		
SDR12C	Estradiol 17-beta-dehydrogenase	DHB12_HUMAN	168	x	x		
SDR13C	Hydroxysteroid dehydrogenase-like	HSDL2_HUMAN	154	x	x	x	
SDR14E	L-threonine dehydrogenase	TDH_MOUSE	135	x	x	x	x
SDR15C	3-hydroxybutyrate dehydrogenase	BDH2_HUMAN	143	x	x	x	
SDR16C	Steroid and retinol dehydrogenase	DHB13_HUMAN	108	x	x	x	
SDR17C	Peroxisomal 2,4-dienoyl-CoA reductase	DECR2_HUMAN	113	x	x	x	
SDR18C	2,4-dienoyl-CoA reductase	DECR_HUMAN	94	x	x	x	x
SDR19C	Dehydrogenase/reductase SDR family	DHRS1_HUMAN	64	x	x	x	
SDR20C	L-xylulose reductase	DCXR_HUMAN	84	x	x	x	
SDR21C	Carbonyl reductase	CBR1_HUMAN	46	x	x		
SDR22E	NADH dehydrogenase (Ubiquinone) I alpha subcomplex 9	NDUA9_HUMAN	86	x	x		
SDR23E	Methionine adenosyltransferase 2 subunit beta	MAT2B_HUMAN	44	x	x	x	
SDR24C	Dehydrogenase/reductase SDR family 11	DHR11_HUMAN	147	x	x		
SDR25C	Dehydrogenase/reductase SDR family	DHRS2_HUMAN	59	x	x		
SDR26C	Corticosteroid 11-beta-dehydrogenase	DH11_HUMAN	37	x	x		
SDR27X	Fatty acid synthase	FAS_HUMAN (residues 1885-2116)	73	x	x		
SDR28C	17 beta-hydroxysteroid dehydrogenase	DHB1_HUMAN	39	x	x		
SDR29C	Peroxisomal trans-2-enoyl-CoA reductase	PECR_HUMAN	63	x	x	x	
SDR30C	Estradiol 17-beta-dehydrogenase	DHB8_HUMAN	44	x	x		
SDR31E	Sterol-4-alpha-carboxylate 3-dehydrogenase	NSDHL_HUMAN	37	x	x		
SDR32C	Dehydrogenase/reductase (SDR family) member 7	DRS7B_HUMAN	31	x	x		
SDR33C	Dihydropteridine reductase	DHPR_HUMAN	43	x	x		
SDR34C	Dehydrogenase/reductase SDR family	DHRS7_HUMAN	40	x	x	x	
SDR35C	3-ketodihydrospingosine reductase	FVT1_HUMAN	39	x	x	x	
SDR36C	15-hydroxyprostaglandin dehydrogenase [NAD+]	PGDH_HUMAN	23	x	x		
SDR37C	3-keto-steroid reductase	DHB7_HUMAN	20	x	x		
SDR38C	Sepiapterin reductase	SPRE_HUMAN	13	x	x		
SDR39U	C14orf124 protein	CN124_BOVIN	472	x	x	x	
SDR40C	Dehydrogenase/reductase SDR family member 12	DHR12_HUMAN	18	x	x		
SDR41C	WW domain-containing oxidoreductase	WVOX_HUMAN	31	x	x		
SDR42E	3-beta-HSD family protein HSPC105 homolog	YP022_HUMAN	21	x	x		
SDR43U	Flavin reductase	BLVRB_HUMAN	12	x	x		
SDR44U	Oxidoreductase HTATIP2	HTAI2_HUMAN	18	x	x		
SDR45C	Carbonyl reductase 4	CBR4_HUMAN	7	x	x		
SDR46C	Dehydrogenase/reductase SDR family member on chromosome X	DHRSX_HUMAN	19	x	x		
SDR47C	17-beta-hydroxysteroid dehydrogenase 14	DHB14_HUMAN	7	x	x		
SDR48A	NmrA-like family domain-containing protein I	NMRL1_HUMAN	6	x	x		
SDR49C	Gluconate 5-dehydrogenase	Q0CJV8_ASPTN	515		x	x	x
SDR50E	UDP-glucuronate 4-epimerase 4	GAE4_ARATH	452		x	x	x
SDR51C	L-xylulose reductase	DCXR_TRIRE	190		x	x	x
SDR52E	Sulfolipid (UDP-sulfoquinovose) biosynthesis protein	SQD1_ARATH	113		x	x	x
SDR53C	Glucose 1-dehydrogenase related protein	Q5KLC5_CRYNE	40		x	x	x
SDR54D	Enoyl-[acyl-carrier-protein] reductase	FAB1_ECOLI	728		x	x	

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SDR55E	Capsular polysaccharide biosynthesis protein, domain NADB_Rossmann	Q9K6L1_BACHD (residues 274-504)	572		x	x	
SDR56X	Modular polyketide synthase, KR domain	ERYA2_SACER (residues 3141-3383)	556		x	x	
SDR57C	Glucose and ribitol dehydrogenase	GRDH_ORYSJ	516		x	x	
SDR58C	NADP-dependent L-serine/L-allo-threonine dehydrogenase ydfG	YDFG_ECOLI	413		x	x	
SDR59C	3-hydroxybutyrate dehydrogenase	BDHA_RHIME	408		x	x	
SDR60E	17-beta hydroxysteroid dehydrogenase 13	HLDD_ECOLI	306		x	x	
SDR61X	Polyketide synthase, beta-ketoacyl reductase domain	ERYA1_SACER (residues 1609-1858)	251		x	x	
SDR62C	Short-chain dehydrogenase/reductase SDR	Q8GJ23_ECOLDX	198		x	x	
SDR63C	Glucose 1-dehydrogenase	YGFF_ECOLI	192		x	x	
SDR64E	4-hydroxybutyrate dehydrogenase	Q8YB07_BRUME	175		x	x	
SDR65C	Tropinone reductase	TRNHI_ARATH	172		x	x	
SDR66C	Short-chain dehydrogenase/reductase SDR	Q2TW48_ASPOR	170		x	x	
SDR67E	Bifunctional polymyxin resistance <i>arnA</i> protein	Q8L9F5_ARATH	163		x	x	
SDR68C	Probable 3-oxoacyl-[acyl-carrier-protein] reductase protein	Q9SVQ9_ARATH	154		x	x	
SDR69C	Acetoin dehydrogenase	O02715_BOVIN	139		x	x	
SDR70C	Toluenesulfonate zinc-independent alcohol dehydrogenase	Q8YD94_BRUME	125		x	x	
SDR71C	Short-chain dehydrogenase/reductase SDR	Q1BP08_BURCA	113		x	x	
SDR72U	NAD-dependent epimerase/dehydratase	Q28VS2_JANSC	112		x	x	
SDR73C	Protochlorophyllide oxidoreductase	PORA_ARATH	110		x	x	
SDR74C	Short-chain dehydrogenase/reductase SDR	Q2G4M0_NOVAD (residues 5-318)	100		x	x	
SDR75U	Progesterone 5-beta-reductase	Q60DC5_ORYSJ (residues 31-391)	93		x	x	
SDR76C	Rhamnolipids biosynthesis 3-oxoacyl-[acyl-carrier-protein] reductase	RHLG_PSEAE	93		x	x	
SDR77E	Dihydroflavonol-4-reductase family protein	DFRA_SYNY3	93		x	x	
SDR78C	Oxidoreductase, short-chain dehydrogenase family protein	Q2SSM1_MYCCT	87		x	x	
SDR79C	Putative short chain dehydrogenase	Q5KM93_CRYNE	82		x	x	
SDR80U	NAD-dependent epimerase/dehydratase	Q2IK93_ANADE	81		x	x	
SDR81U	Putative chaperon-like protein for quinone binding in photosystem II	Q3AI55_SYNSC	76		x	x	
SDR82E	Dihydrokaempferol 4-reductase	Q19391_CAEEL	74		x	x	
SDR83U	MRNA-binding protein	Q8YMU6_ANASP	70		x	x	
SDR84C	Short-chain dehydrogenase/reductase SDR	Q1LFL2_RALME	69		x	x	
SDR85C	Glucose 1-dehydrogenase homolog	Q8P974_XANCP	67		x	x	
SDR86C	Short-chain dehydrogenase/reductase SDR	Q1BAB6_MYCSS	60		x	x	
SDR87D	Enoyl-ACP reductase	O04942_ARATH	60		x	x	
SDR88C	Short-chain dehydrogenase/reductase SDR precursor	Q7VD48_PROMA	55		x	x	
SDR89C	Isoepoxydon dehydrogenase	Q9HGE3_PENUR	53		x	x	
SDR90C	Putative 3-oxoacyl-acyl carrier protein reductase	Q13RM4_BURXL	52		x	x	
SDR91C	Probable oxidoreductase protein	Q8KKW7_RHIEC	50		x	x	
SDR92C	Pteridine reductase	Q5ZRL8_LEGPH	49		x	x	
SDR93E	GDP-D-mannose-3',5'-epimerase	GME_ARATH	46		x	x	
SDR94C	2,5-dichloro-2,5-cyclohexadiene-1,4-diol dehydrogenase	Q5LMF4_SILPO	45		x	x	
SDR95E	UDP-galactose 4-epimerase	Q98K10_RHILO	43		x	x	
SDR96E	Cinnamyl alcohol dehydrogenase-like protein	Q1BIL8_BURCA	42		x	x	
SDR97C	Putative short-chain dehydrogenase/reductase	Q92PP4_RHIME	41		x	x	
SDR98U	NmrA family protein	B4S858_PROAE	40		x	x	
SDR99X	MSAS-type polyketide synthase, NADB Rossmann domain	Q2KT14_9EURO (residues 1399-1709)	39		x	x	
SDR100C	Short-chain dehydrogenase/reductase SDR	Q873F6_NEUCR	36		x	x	
SDR101U	ActC family protein	Q4K3Q9_PSEF5	35		x	x	

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SDR102C	Oxidoreductase, short chain dehydrogenase/reductase family	Q62C54_BURMA	34		x	x	
SDR103U	NAD-dependent epimerase/dehydratase	B1LXBI_METRJ	31		x	x	
SDR104C	Short-chain dehydrogenase/reductase SDR	B2T4Y6_BURPP	27		x	x	
SDR105E	NAD-dependent epimerase/dehydratase	B1UCQ0_SYNPP8	25		x	x	
SDR106E	NAD-dependent epimerase/dehydratase	B1CEU5_RHILT	24		x	x	
SDR107C	Short-chain dehydrogenase/reductase SDR	Q126U8_POLSJ	20		x	x	
SDR108E	Dihydroflavonol-4-reductase	DFRA_ARATH	508		x		
SDR109I	Drosophila alcohol dehydrogenase	ADH_DROME	424		x		
SDR110C	Sex determination protein tasselseed-2	Q0WSL8_ARATH	263		x		
SDR111C	Aflatoxin biosynthesis, Versicolorin reductase	STCU_EMENI	162		x		
SDR112C	Hypothetical protein	O16969_CAEEL	130		x		
SDR113E	NADPH-dependent methylglyoxal reductase GRE2	GRE2_YEAST	90		x		
SDR114C	Menthol dehydrogenase	SDR1_ARATH (residues 7-296)	76		x		
SDR115E	NADPH-dependent HC-toxin reductase	Q67UQ3_ORYSJ	75		x		
SDR116U	Fatty acid synthase alpha subunit FasA, 3-oxoacyl-[acyl-carrier protein] domain	FAS2_YEAST (residues 673-924)	70		x		
SDR117E	Male sterility 2-like protein, NADB_Rossmann domain	Q39152_ARATH (residues 9-317)	57		x		
SDR118C	Hypothetical protein	Q0CZU4_ASPTN	55		x		
SDR119C	11-beta-hydroxysteroid dehydrogenase-like protein	Q9LUF1_ARATH	51		x		
SDR120C	Short-chain dehydrogenase/reductase, putative	Q4WCX6_ASPFU (residues 43-341)	44		x		
SDR121E	Aminoacidipate-semialdehyde dehydrogenase, NADB_Rossmann domain	LYS2_YEAST	43		x		
SDR122U	NAD-dependent epimerase/dehydratase	Q16SV9_AEDAE	43		x		
SDR123C	Hypothetical protein	YIV6_YEAST	43		x		
SDR124C	Hypothetical protein	Q5B0R9_EMENI	37		x		
SDR125C	Short chain dehydrogenase/reductase family protein	Q4WBK3_ASPFU	34		x		
SDR126C	D-arabinitol 2-dehydrogenase	ARDH_CANAL	32		x		
SDR127C	Hypothetical protein	Q7SHE5_NEUCR	32		x		
SDR128C	Oxidoreductase, short chain dehydrogenase/reductase family	YNSI_YEAST	32		x		
SDR129C	3-oxoacyl-(Acyl-carrier-protein) reductase	Q4WT94_ASPFU	27		x		
SDR130C	Short chain dehydrogenase/reductase family	Q4WVLO_ASPFU	25		x		
SDR131C	Short-chain oxidoreductase, putative	Q6MY99_ASPFU	23		x		
SDR132C	Putative short-chain type alcohol dehydrogenase	Q8H744_SOLTU	23		x		
SDR133E	C-3 sterol dehydrogenase/C-4 decarboxylase family protein	Q4WZC8_ASPFU	22		x		
SDR134E	DTDP-4-rhamnose reductase	Q2VJ29_ECOLX	690			x	x
SDR135E	Capsular polysaccharide	Q8GNF3_ECOLX	307			x	x
SDR136E	UDP-glucose 4-epimerase homolog	GALE_METJA	288			x	x
SDR137E	CDP-glucose 4,6-dehydratase	RFBG_SALTY	170			x	x
SDR138C	Clavaldehyde dehydrogenase	Q9LCV7_STRCL	159			x	x
SDR139C	Class II aldolase/adducin	YUXG_BACSU	128			x	x
SDR140C	Glucose 1-dehydrogenase (EC 1.1.1.47)	Q8YQI7_ANASP	124			x	x
SDR141U	NAD-dependent epimerase/dehydratase	Q2S356_SALRD (residues 8-315)	95			x	x
SDR142E	DTDP-glucose 4,6-dehydratase	Q5KV73_GEOKA	84			x	x
SDR143C	Glucose 1-dehydrogenase	Q74FB3_GEOSL	84			x	x
SDR144C	3-oxoacyl-(Acyl-carrier protein) reductase	Q5WL45_BACSK	78			x	x
SDR145E	Putative NDP-glucose dehydrataseepimerase protein	Q92WU4_RHIME	67			x	x
SDR146E	UDP-glucose 4-epimerase	Q980WI_SULSO	54			x	x
SDR147C	Short-chain dehydrogenase/reductase SDR precursor	Q0BIII_BURCM	54			x	x
SDR148E	CDP-tyvelose epimerase	RFBE_SALTI	51			x	x
SDR149C	Short-chain dehydrogenase/reductase SDR	Q8TR63_METAC	47			x	x

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SDR150E	ADP-L-glycero-D-mannoheptose-6-epimerase	O25530_HELPY	39			x	x
SDR151C	Short-chain dehydrogenase/reductase SDR	Q4J9F2_SULAC	32			x	x
SDR152C	Acetoacetyl-CoA reductase	PHBB_CHRVI	380			x	
SDR153C	Hypothetical oxidoreductase YbbO	YBBO_ECOLI	207			x	
SDR154C	Short-chain dehydrogenase/reductase SDR	YCIK_ECOLI	189			x	
SDR155C	Carveol dehydrogenase	LIMC_RHOER	181			x	
SDR156C	D-beta-hydroxybutyrate dehydrogenase	Q62BC0_BURMA	166			x	
SDR157E	UDP-galactose 4-epimerase	GALE_VIBCH	156			x	
SDR158C	Short-chain dehydrogenase/reductase SDR	O53302_MYCTU	149			x	
SDR159C	2,3-dihydro-2,3-dihydroxybenzoate dehydrogenase	ENTA_ECOLI	141			x	
SDR160C	3-oxoacyl-acyl carrier protein reductase precursor	Q6N966_RHOPA	135			x	
SDR161X	Beta-ketoacyl synthase, NADB_Rossmann domain	Q10Y09_TRIEI (residues 1502-1751)	130			x	
SDR162C	Cis-2,3-dihydrobiphenyl-2,3-diol dehydrogenase	HCAB_ECOLI	125			x	
SDR163C	7-alpha-hydroxysteroid dehydrogenase	Q0B5E5_BURCE	118			x	
SDR164C	Short-chain dehydrogenase/reductase SDR	Q1LGI4_RALME	117			x	
SDR165C	Oxidoreductase, short-chain dehydrogenase/reductase family	Q4EH24_LISMO	112			x	
SDR166C	Putative nodulation protein, 3-oxoacyl-(Acyl carrier protein) reductase	Q1MKU0_RHIL3	112			x	
SDR167C	Short-chain dehydrogenase/reductase SDR	Q1BQ12_BURCA	111			x	
SDR168U	NAD dependent epimerase/dehydratase family protein	B3XFZ1_ECOLX (residues 3-266)	108			x	
SDR169E	NADH-ubiquinone oxidoreductase	Q8YDB9_BRUME	107			x	
SDR170C	Cis-diol dehydrogenase	XYLL_PSEPU	103			x	
SDR171C	Short-chain dehydrogenase/reductase SDR	Q0B996_BURCM	98			x	
SDR172C	2-deoxy-D-gluconate 3-dehydrogenase	Q9APX4_PSEAE	97			x	
SDR173C	3-oxoacyl-(Acyl-carrier-protein) reductase	Q6CYL5_ERWCT (residues 5-242)	95			x	
SDR174C	Short-chain dehydrogenase/reductase SDR	Q28KC5_JANSC	93			x	
SDR175U	Putative nucleotide di-P-sugar epimerase or dehydratase	YBJS_ECOLI	93			x	
SDR176C	D-mannonate oxidoreductase	Q09LX8_BACST	92			x	
SDR177U	NmrA family protein	Q0B5E5_BURCM	92			x	
SDR178C	3-ketoacyl-(Acyl-carrier-protein) reductase	Q1V958_VIBAL	87			x	
SDR179C	Fatty acyl-CoA reductase	Q6F7B8_ACIAD	86			x	
SDR180C	Cell-cell signaling protein, C-factor	Q9KR32_VIBCH	85			x	
SDR181C	Oxidoreductase, short-chain dehydrogenase/reductase family	Q8YGC4_BRUME	85			x	
SDR182C	3-oxoacyl-(Acyl-carrier-protein) reductase	Q0VNT7_ALCBS	82			x	
SDR183C	Short-chain dehydrogenase/reductase SDR	Q1B310_MYCSS (residues 14-255)	82			x	
SDR184C	FixR protein	FIXR_BRAJA	80			x	
SDR185C	D-beta-hydroxybutyrate dehydrogenase	Q2KUR3_BORAI	80			x	
SDR186C	2,5-dichloro-2,5-cyclohexadiene-1,4-diol dehydrogenase	Q982J8_RHILO	78			x	
SDR187E	TDP-glucose-4,6-dehydratase-related protein	Q9RYT6_DEIRA	78			x	
SDR188C	Short-chain dehydrogenase/reductase SDR	Q5WJ10_BACSK	78			x	
SDR189U	Dihydrofolate reductase	FOLM_ECOLI	77			x	
SDR190C	Short-chain dehydrogenase/reductase SDR	Q222J3_RHOFD	76			x	
SDR191C	Oxidoreductase, short-chain dehydrogenase/reductase family	Q6HKA5_BACHK (residues 2-252)	76			x	
SDR192X	Polyketide synthase, NADB_Rossmann domain	PKSJ_BACSU (residues 2848-3093)	75			x	
SDR193C	2-deoxy-D-gluconate 3-dehydrogenase	Q62AB7_BURMA	75			x	
SDR194U	3-beta hydroxysteroid dehydrogenase/isomerase	Q39XF9_GEOMG	73			x	
SDR195X	Mycocerosic acid synthase, NADB_Rossmann domain	Q8VK52_MYCTU (residues 1760-2009)	73			x	
SDR196C	Sorbitol dehydrogenase	DHSO_RHOSH	73			x	
SDR197C	Glucitol (Sorbitol)-6-phosphate dehydrogenase	SRLD_ECOLI	71			x	

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SDR198C	3-alpha-(or 20-beta)-hydroxysteroid dehydrogenase	CPNA_COMTE	69			x	
SDR199C	Short-chain dehydrogenase/reductase SDR	Q215V1_RHOPB	69			x	
SDR200E	GDP-6-deoxy-D-lyxo-4-hexulose reductase	Q6E7E6_ECOLX	68			x	
SDR201C	2-hydroxycyclohexanecarboxyl-CoA dehydrogenase	Q2PQY8_9NOCA	68			x	
SDR202E	GDP-6-deoxy-D-lyxo-4-hexulose reductase	Q2SYX0_BURTA	67			x	
SDR203E	NAD-dependent epimerase/dehydratase precursor	Q7NWF7_CHRVO	66			x	
SDR204C	Short-chain dehydrogenase/reductase SDR precursor	Q1V8L2_VIBAL	65			x	
SDR205C	Putative 3-oxoacyl-(Acyl-carrier protein)reductase	Q13LW3_BURXL	64			x	
SDR206C	CsgA protein	Q604S7_METCA	62			x	
SDR207C	Short-chain dehydrogenase/reductase SDR	Q0B7Y9_BURCM	62			x	
SDR208E	3-beta hydroxysteroid dehydrogenase/isomerase family protein	Q7UXZ2_RHOBA	62			x	
SDR209C	Short-chain dehydrogenase/reductase SDR precursor	Q477C1_RALEJ	61			x	
SDR210C	Short-chain dehydrogenase/reductase SDR	Q1BCK4_MYCSS	61			x	
SDR211C	7-alpha-hydroxysteroid dehydrogenase	Q11W48_CYTH3	59			x	
SDR212C	Short-chain dehydrogenase/reductase SDR precursor	Q21LA3_ANADE	58			x	
SDR213C	Short-chain dehydrogenase/reductase SDR	Q46VA2_RALEJ	57			x	
SDR214U	Hypothetical protein	Q92Y00_RHIME	57			x	
SDR215C	C-factor, putative	A6XSK1_VIBCH	56			x	
SDR216C	Short-chain dehydrogenase/reductase SDR	Q46VA5_RALEJ	56			x	
SDR217C	Short-chain dehydrogenase/reductase SDR precursor	Q6W1F0_RHISN	55			x	
SDR218C	3-oxoacyl-[acyl-carrier-protein] reductase	FABG_MYCTU	55			x	
SDR219U	Hypothetical protein	Q3MA37_ANAVT	52			x	
SDR220C	Gluconate 5-dehydrogenase	Q89HQ3_BRAJA	52			x	
SDR221C	Short-chain dehydrogenase/reductase (SDR) superfamily	Q5QYCI_IDILO	51			x	
SDR222C	Oxidoreductase UcpA	UCPA_ECO57	51			x	
SDR223C	Short-chain dehydrogenase/reductase SDR	Q0B7A2_BURCM	51			x	
SDR224C	7-alpha-hydroxysteroid dehydrogenase	HDHA_ECOLI	50			x	
SDR225C	3-oxoacyl-[acyl-carrier protein] reductase	Q81A10_BACCR	50			x	
SDR226C	Short-chain dehydrogenase/reductase SDR	Q0B7A7_BURCM	50			x	
SDR227C	Oxidoreductase, short-chain dehydrogenase/reductase family	Q62GY7_BURMA	50			x	
SDR228C	Short-chain dehydrogenase/reductase SDR	Q1BQ83_BURCA	50			x	
SDR229U	Short chain dehydrogenase	Q3KX5_PSEPF	49			x	
SDR230D	Enoyl-(Acyl-carrier protein) reductase (NADH)	INHA_MYCAV	49			x	
SDR231E	Putative Acyl-CoA synthetase, NADB_Rossmann domain	Q9CCT4_MYCLE (residues 790-1046)	49			x	
SDR232U	NAD-dependent epimerase/dehydratase	Q2J595_SYNJA	49			x	
SDR233E	UDP-glucose 4-epimerase	Q8YBQ8_BRUME	48			x	
SDR234C	D-sorbitol-6-phosphate dehydrogenase	Q1R3R8_ECOUT	47			x	
SDR235C	Ribitol 2-dehydrogenase	RIDH_KLEAE	47			x	
SDR236E	DTDP-4-dehydrorhamnose reductase	Q8L347_VIBCH	46			x	
SDR237C	Short-chain dehydrogenase/reductase SDR	Q0BBE0_BURCM	46			x	
SDR238C	Short-chain dehydrogenase/reductase SDR	Q1B3U4_MYCSS	45			x	
SDR239C	Putative 3-oxoacyl-[acyl-carrier-protein] reductase	YOHF_ECOLI	45			x	
SDR240C	Putative oxidoreductase	Q1MJG4_RHIL3	44			x	
SDR241C	Oxidoreductase, short chain dehydrogenase/reductase family	B3XE41_ECOLX	44			x	
SDR242C	2,5-dichloro-2,5-cyclohexadiene-1,4-diol dehydrogenase	Q62E12_BURMA	42			x	
SDR243C	Oxidoreductase, short-chain dehydrogenase/reductase family	Q0C3P2_HYPNA	42			x	

SDR families

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SDR family designation	Family name	Uniprot representative	# mbrs	M	E	B	A
SDR244C	Short-chain dehydrogenase/reductase SDR	Q1LH34_RALME	42			x	
SDR245C	3-oxoacyl-(Acyl-carrier-protein) reductase	Q5FR45_GLUOX	42			x	
SDR246C	Polyketide reductase	DHKR_STRCM	42			x	
SDR247C	Short-chain dehydrogenase/reductase SDR	Q1BMA2_BURCA	42			x	
SDR248C	Short-chain dehydrogenase/reductase SDR	B2HIY9_MYCMM	41			x	
SDR249C	Short-chain dehydrogenase/reductase SDR	Q0B4V1_BURCM	41			x	
SDR250C	Short-chain dehydrogenase/reductase SDR	Q0S7P7_RHOSR	40			x	
SDR251C	Oxidoreductase, short-chain dehydrogenase/reductase family	B1HAZ4_BURPS	40			x	
SDR252C	3-oxoacyl-[acyl-carrier-protein] reductase	Q811Z8_BACCR	39			x	
SDR253C	Short-chain dehydrogenase/reductase SDR	Q0B7Z1_BURCM	39			x	
SDR254E	NAD dependent epimerase/dehydratase family protein	Q81YX3_BACAN	39			x	
SDR255C	Short-chain dehydrogenase/reductase SDR	Q0B5Y4_BURCM	38			x	
SDR256C	Short-chain dehydrogenase/reductase SDR	Q4IW19_AZOVI	38			x	
SDR257C	Short-chain dehydrogenase/reductase SDR	Q1BVR3_BURCA	38			x	
SDR258U	NAD-dependent epimerase/dehydratase	B3KK62_9BACI	37			x	
SDR259C	Short-chain dehydrogenase/reductase SDR	Q1B775_MYCSS	36			x	
SDR260C	Putative 3-oxoacyl-(Acyl-carrier-protein) reductase	O34308_BACSU	36			x	
SDR261C	Short-chain dehydrogenase/reductase SDR	Q0B5E4_BURCM	35			x	
SDR262C	Oxidoreductase, short-chain dehydrogenase/reductase family	Q0B801_BURCM	35			x	
SDR263C	Putative oxidoreductase	Y3791_MYCTU	35			x	
SDR264C	Short-chain dehydrogenase/reductase SDR	O86803_STRCO	34			x	
SDR265C	20-beta-hydroxysteroid dehydrogenase, putative	Q0F171_9RHOB	34			x	
SDR266C	Short-chain dehydrogenase/reductase SDR	Q130W2_RHOPS	34			x	
SDR267U	NAD-dependent epimerase/dehydratase	Q15QM8_PSEA6	34			x	
SDR268E	UDP-N-acetylglucosamine 4-epimerase	GNE_ECO57	33			x	
SDR269C	Short-chain dehydrogenase/reductase SDR	B2HD48_MYCMM	33			x	
SDR270C	Short-chain dehydrogenase/reductase SDR	Q1BK47_BURCA	33			x	
SDR271C	Short-chain dehydrogenase/reductase SDR	Q4IYR0_AZOVI	33			x	
SDR272C	Short-chain dehydrogenase/reductase SDR	B4S8U1_PROAE	33			x	
SDR273C	Putative 3-oxoacyl-ACP reductase	Q47MH9_THEFY	33			x	
SDR274C	7-alpha-hydroxysteroid dehydrogenase	Q9S3U5_BACFR	33			x	
SDR275C	Oxidoreductase, short-chain dehydrogenase/reductase family	YOXD_BACSU	33			x	
SDR276E	NAD dependent epimerase/dehydratase family protein	Q69123_BURPS	32			x	
SDR277E	NAD-dependent epimerase/dehydratase	Q1B1P1_MYCSS	32			x	
SDR278C	Short-chain dehydrogenase/reductase SDR	Q0B4M9_BURCM	32			x	
SDR279C	Short-chain dehydrogenase/reductase SDR	Q3KCP9_PSEPF	32			x	
SDR280C	Short-chain dehydrogenase/reductase SDR	Q0BCN8_BURCM	31			x	
SDR281C	2-deoxy-D-gluconate 3-dehydrogenase	Q89M40_BRAJA	31			x	
SDR282U	Short-chain dehydrogenase/reductase SDR	Q1BWW1_BURCA	31			x	
SDR283C	Short-chain dehydrogenase/reductase SDR	Q2S7V4_HAHCH	31			x	
SDR284C	Benzil reductase	Q8RS29_BACSU	30			x	
SDR285C	7-alpha-hydroxysteroid dehydrogenase, putative	Q0FKX9_9RHOB	30			x	
SDR286C	Short-chain dehydrogenase/reductase SDR	Q1B730_MYCSS	30			x	
SDR287C	Short-chain dehydrogenase/reductase SDR	Q4ZYN2_PSEU2	30			x	
SDR288C	7-alpha-hydroxysteroid dehydrogenase	O25658_HELPY	29			x	
SDR289C	Short-chain dehydrogenase/reductase SDR	Q20YQ3_RHOPB	29			x	
SDR290U	Short-chain dehydrogenase/reductase SDR	Q28RP2_JANSC	29			x	
SDR291C	Short-chain dehydrogenase/reductase SDR	Q1LI34_RALME	29			x	
SDR292U	Cell-division inhibitor	Q8F125_LEPIN	29			x	
SDR293C	Short-chain dehydrogenase/reductase SDR	Q0K127_RALEH	28			x	
SDR294C	Short-chain dehydrogenase/reductase SDR	Q12N17_SHEDO	28			x	
SDR295U	NAD dependent epimerase/dehydratase family protein	Q01QT1_SOLUE	28			x	
SDR296C	Short-chain dehydrogenase/reductase SDR	O06172_MYCTU	27			x	

SDR families

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SDR family designation	Family name	Uniprot representative	# mbrs	M	E	B	A
SDR297E	NAD dependent epimerase/dehydratase family protein	Q0AZ20_SYNWW	27			x	
SDR298E	NAD-dependent epimerase/dehydratase family protein	Q1BE92_MYCSS	27			x	
SDR299C	Short-chain dehydrogenase/reductase SDR	Q30SZ9_SULDN	27			x	
SDR300C	Enoyl-(Acyl carrier protein) reductase	Q5WIF4_BACSK	27			x	
SDR301E	NAD-dependent epimerase/dehydratase	Q1BEZ1_MYCSS	26			x	
SDR302U	NAD-dependent epimerase/dehydratase	B1XM95_SYNP2	26			x	
SDR303C	Probable oxidoreductase	Q1VD92_VIBAL	26			x	
SDR304C	Short-chain dehydrogenase/reductase family protein	Q28K28_JANSC	26			x	
SDR305C	Short-chain dehydrogenase/reductase SDR	Q471Z9_RALEJ	26			x	
SDR306C	Short-chain dehydrogenase/reductase SDR	Q4ZSV0_PSEU2	26			x	
SDR307C	Short-chain dehydrogenase/reductase SDR	Q1B806_MYCSS	26			x	
SDR308C	Oxidoreductase, short-chain dehydrogenase/reductase family	Q81PM4_BACAN	26			x	
SDR309E	NAD-dependent epimerase/dehydratase	O69692_MYCTU	25			x	
SDR310E	NAD dependent epimerase/dehydratase family protein	A8A4D7_ECOHS	25			x	
SDR311C	Short-chain dehydrogenase/reductase SDR	Q471Z8_RALEJ	25			x	
SDR312E	CDP-tyvelose epimerase	A0ZLV5_NODSP	25			x	
SDR313U	NAD dependent epimerase/dehydratase family protein	Q1DEX1_MYXXD	25			x	
SDR314C	Short-chain dehydrogenase/reductase SDR	B2HHF4_MYCMM	24			x	
SDR315C	Short-chain dehydrogenase/reductase SDR	Q1LFC2_RALME	24			x	
SDR316C	Short-chain dehydrogenase/reductase SDR	Q1B2Y4_MYCSS	23			x	
SDR317C	Short-chain dehydrogenase/reductase SDR	Q28TD9_JANSC	23			x	
SDR318C	Short-chain dehydrogenase/reductase (SDR) superfamily	Q7V255_PROMP	23			x	
SDR319E	NAD-dependent epimerase/dehydratase	Q4BYF6_CROWT	23			x	
SDR320C	Short-chain dehydrogenase/reductase SDR	A1UN40_MYCSK	22			x	
SDR321C	Gluconate 5-dehydrogenase	Q5LVV0_SILPO	22			x	
SDR322C	Short chain dehydrogenase	Q98H76_RHILO	22			x	
SDR323E	NDP-4-ketoreductase	Q939Q3_9ACTO	21			x	
SDR324U	Short-chain dehydrogenase/reductase SDR	B2TFN1_BURPP	21			x	
SDR325C	3 alpha-hydroxysteroid dehydrogenase/carbonyl reductase	Q9ZFY9_COMTE	21			x	
SDR326C	Short-chain dehydrogenase/reductase SDR	Q1QWP8_CHRSD	21			x	
SDR327U	CDP-paratose synthetase (Paratose synthase)	Q7B0W0_YERPS	21			x	
SDR328C	Short-chain dehydrogenase/reductase SDR	Q1B3R7_MYCSS	21			x	
SDR329E	Nucleoside-diphosphate-sugar epimerase	O07609_BACSU	20			x	
SDR330C	Oxidoreductase, short-chain dehydrogenase/reductase family protein	Q5LP01_SILPO	20			x	
SDR331C	Short-chain dehydrogenase/reductase SDR	Q1BFA2_MYCSS	20			x	
SDR332C	Short-chain dehydrogenase/reductase SDR	Q1B349_MYCSS	20			x	
SDR333C	Short-chain dehydrogenase/reductase SDR	Q1B353_MYCSS	20			x	
SDR334U	NAD-dependent epimerase/dehydratase	A5IUT9_STAA9	20			x	