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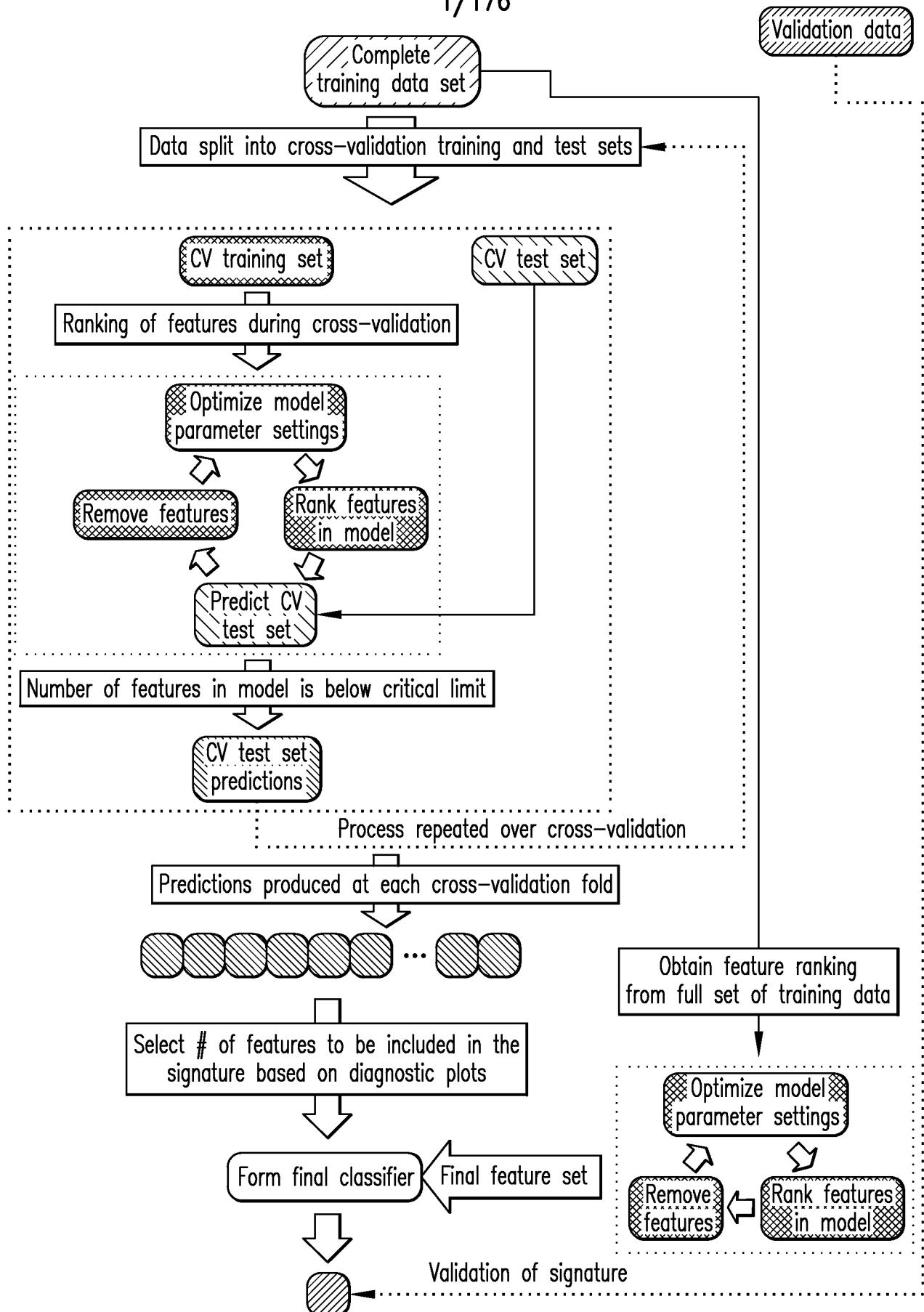


FIG. 1

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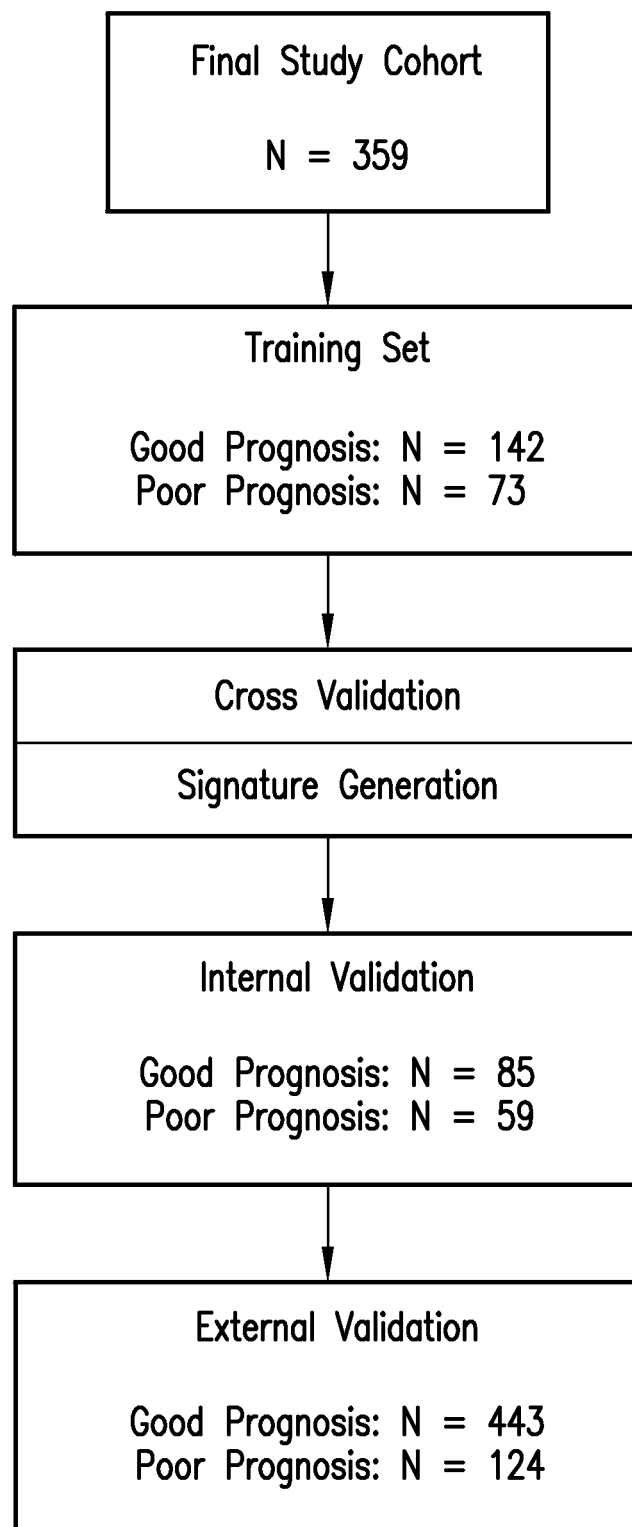


FIG.2

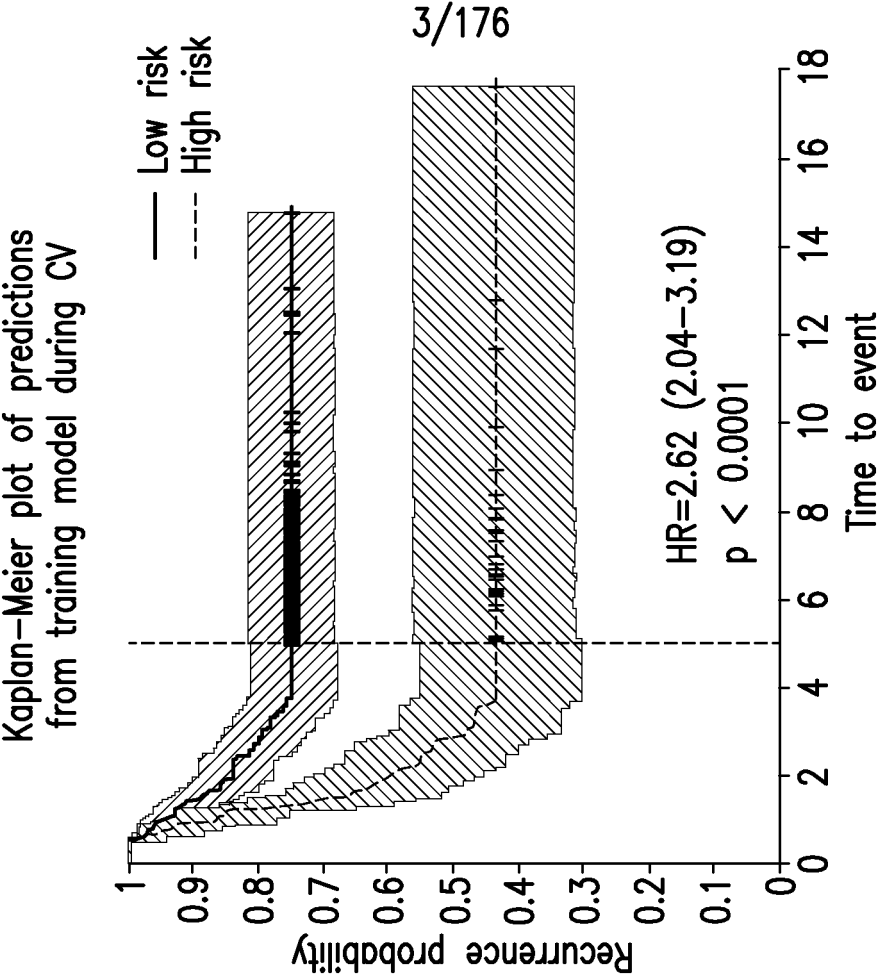


FIG.3B

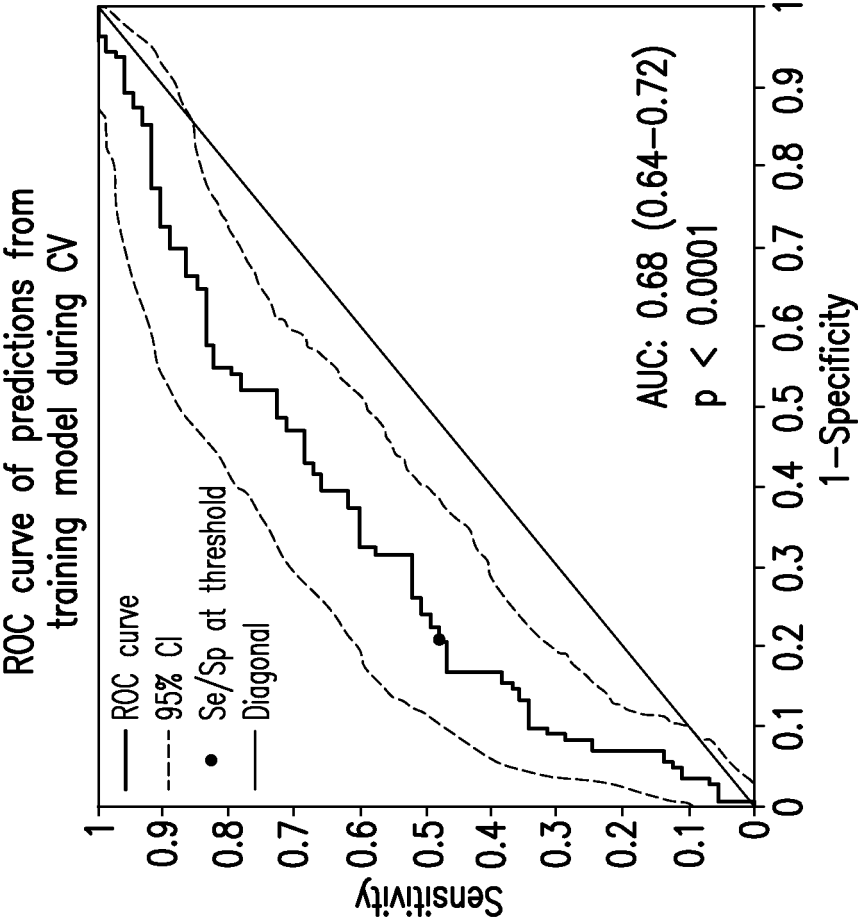


FIG.3A

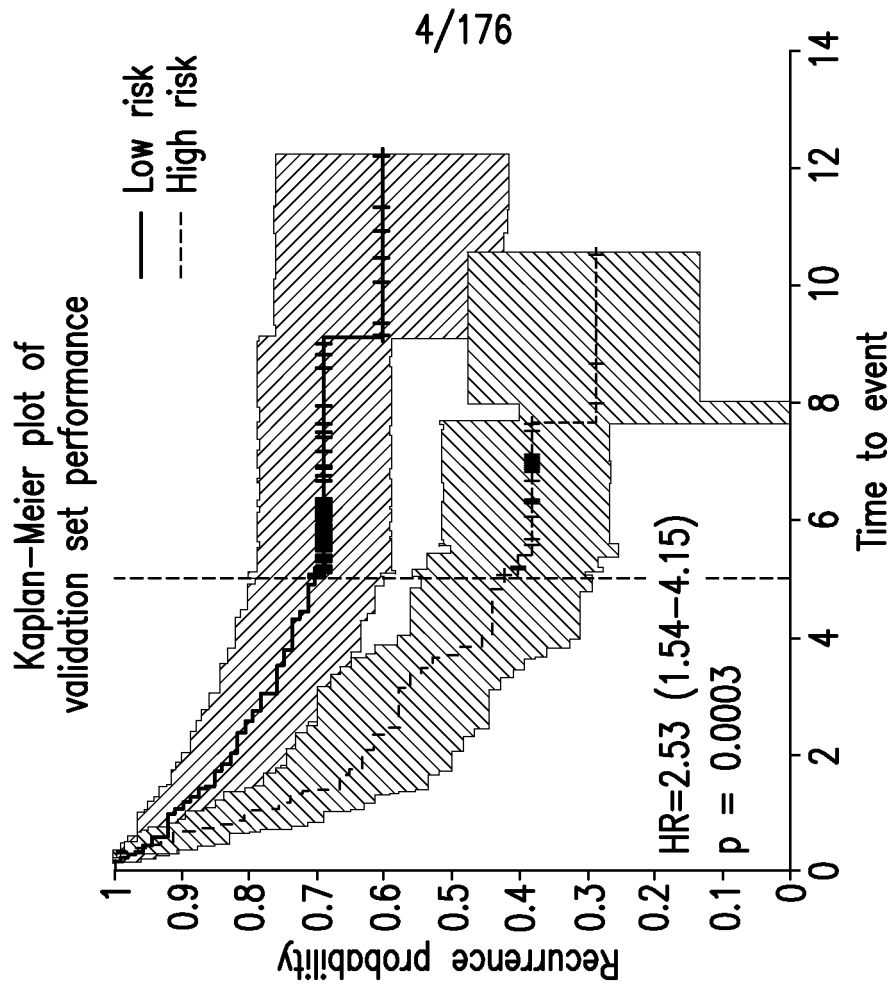


FIG.4B

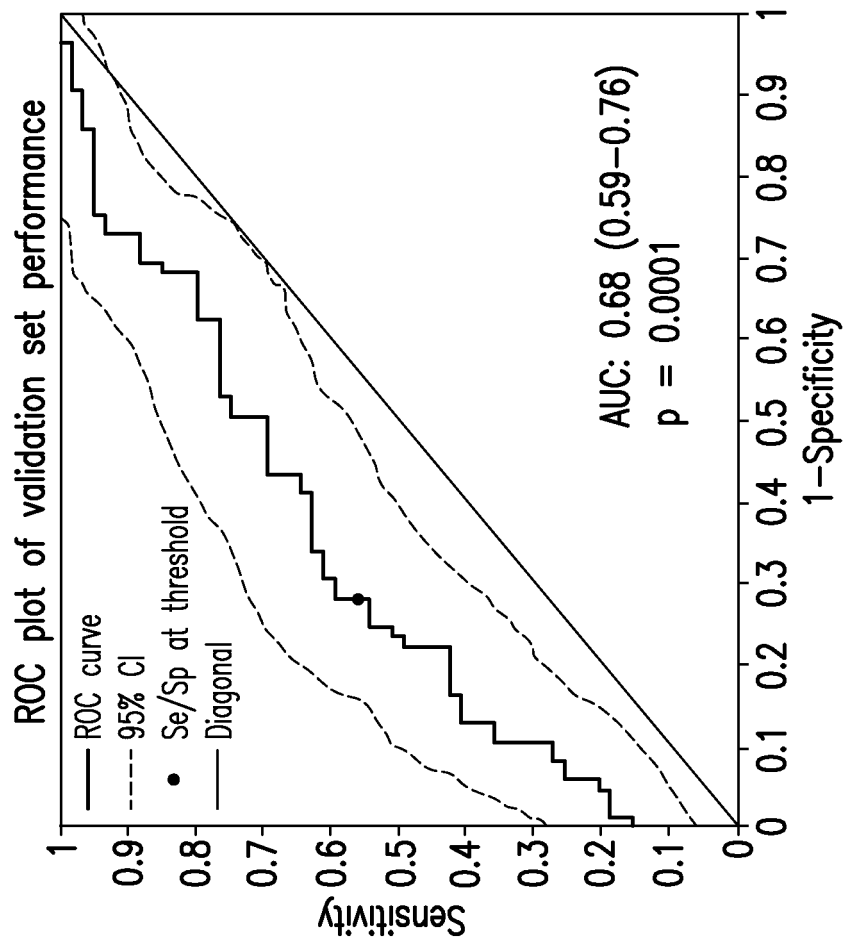


FIG.4A

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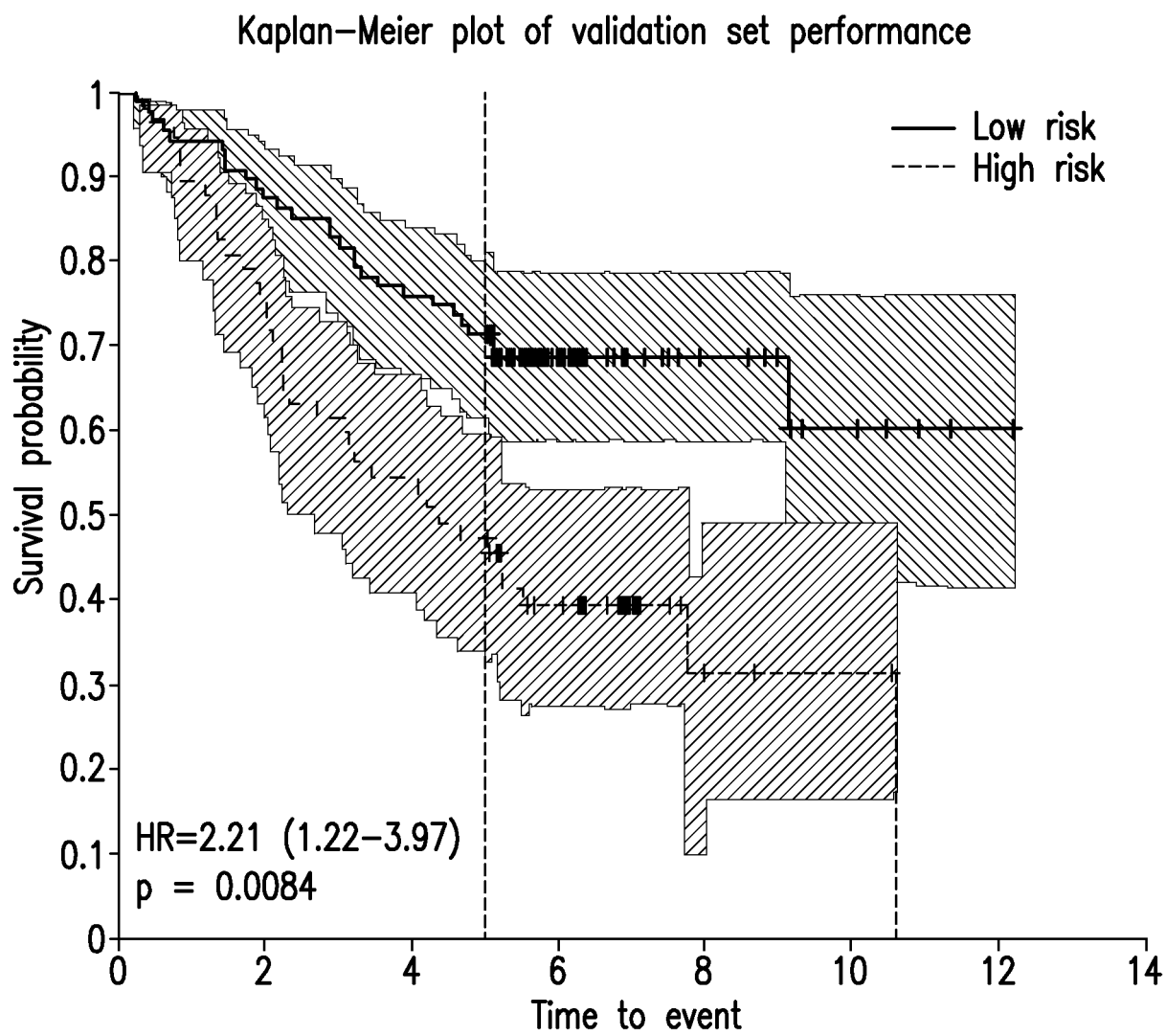


FIG.5

Table 3: Key Patient and Tumor Characteristics

TRAINING SET % OF TOTAL (215)		
Prognosis		
Good	142	66
Poor	73	34
Age at Diagnosis (Years)		
Mean (SD)	71 (9.9)	
Median	72	
Range	45 to 95	
FFPE Block 'Age' (Years)		
Mean (SD)	9.9 (3.2)	
Median	9.0	
Range	5.2 to 18.3	
Contributing Centre		
Alabama	33	15
Bethesda	13	6
Georgetown	0	0
MGH	12	6
UPMC	46	21
Calgary	34	16
Karolinska	15	7
NI240	11	5
St Vincents	51	24
Asterand	0	0
BioServe	0	0
Cureline	0	0
Country of Origin		
Europe	77	36
USA	104	48
Canada	34	16
Ethnicity		
African American	20	9
Asian	5	2
White	190	89
Unknown	0	0
Sex		
M	106	49
F	109	51
T Stage		
3	188	87
4	27	13
T Grade		
Well	9	4
Moderate	174	81
Poor	31	14
Undifferentiated	1	0.5
Number of Nodes Assessed		
Mean (SD)	14 (7.5)	
Median	13	
Range	6 to 40	
T Location		
Caecum	60	28
Ascending Colon	46	21

VALIDATION SET % OF TOTAL (144)		
Prognosis		
Good	85	59
Poor	59	41
Age at Diagnosis (Years)		
Mean (SD)	70 (10.1)	
Median	70	
Range	45 to 90	
FFPE Block 'Age' (Years)		
Mean (SD)	7.48 (3.1)	
Median	8.2	
Range	1.38 to 15.8	
Contributing Centre		
Alabama	9	6
Bethesda	2	1
Georgetown	6	4
MGH	11	8
UPMC	11	8
Calgary	11	8
Karolinska	29	20
NI240	2	1
St Vincents	28	19
Asterand	5	3
BioServe	11	8
Cureline	19	13
Country of Origin		
Europe	89	62
USA	44	31
Canada	11	8
Ethnicity		
African American	6	4
Asian	0	0
White	137	95
Unknown	1	1
Sex		
M	69	48
F	75	52
T Stage		
3	119	83
4	25	17
T Grade		
Well	12	8
Moderate	114	79
Poor	18	13
Undifferentiated	0	0
Number of Nodes Assessed		
Mean (SD)	13.1 (10.0)	
Median	10	
Range	6 to 98	
T Location		
Caecum	33	23
Ascending Colon	31	22

FIG.6

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Signature rank	Probe Set ID	Gene Symbol	Orientation	Gene Description	SEQ ID NO:	Target sequence
1	ADXCRA D_5128.C1 _at	MUM1	Sense	melanoma associated antigen (mutated) 1 [Source:HGNC Symbol;Acc:29641]	1	CTGTTTTTCCCGGTAGATTTCTGATACTTCAATCCCCCT ACTCCCCCAAACAGTTGAAGCCAGCCCACTCTTA
2	ADXCRA D_BG481 316_s_at	SIGMAR1	Sense	sigma non-opioid intracellular receptor 1 [Source:HGNC Symbol;Acc:8157]	2	CCGGTATACCAAGGGAGCCAGTTGTGTTTCAGACACACA CATCACAGCTTGACTCACTCACTAAGGCGCTTTCATAGC TCCACAGCTT
3	ADXCRIH. 3975.C1_a t	ARSD	Sense	aryl/sulfatase D [Source:HGNC Symbol;Acc:717]	3	TTGGCCAGTGTGTTTTCTAAGTCAATTCTAGTGTGTTTC ATCCTCACCTCTTCCCTCTGTGGCTTTGATGATGGA
4	ADXCRA D_NM_17 6825_s_at	SULT1C2	Sense	sulfotransferase family, cytosolic, 1C, member 2 [Source:HGNC Symbol;Acc:11456]	4	AGGCTGGTCTTAAGTACTGACTGCTTTTTATTATTACCATGC ACTGGCAATTCCAAACAATGTCAGTGTTAAATGCTTCT CCCTGAAAAAGAGAAAAAAGGAAAAAAGAAAAAGA AAAGTAAAAAGAAAAACTCTTATTGGCCTAAGTTCTAAA TAATAGCTAGGTTACCAGTGAAGTTTAACTATATGTATAT GAGCTTCAAATAAGCACCTTTTAA
5	ADXCRA G_AB0491 49_s_at	PPFIBP1	Sense	PTPRF interacting protein, binding protein 1 (liprin beta 1) [Source:HGNC Symbol;Acc:9249]	5	AAATGCTGCAGCAGGTATGTGCAGAGGCCAGAACCAAG ATGGGATTTCCCTGCTGAACATATGTGAGATGCTGCATTT CTATGTTGTGTTTGTCTCTGATGCAGCAGTAAGTTTTTGG ATTCACCTTAGACCAGCACATTA

FIG. 7-1

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6	ADXCRP D.15673.C 1_at	N/A	No Transcript match	N/A	6	GAAGTCAAGGACTTTGTGAACATATAAACTGCAGATG GCTATTAGATATCCAAGTAGAGATGCTGAAGAGATGAAT GTATAGAAGTCTGAATTTGGAGAGAGATCTGGATAG GAGATACTACCTGGTGTAAACAGCTTACAGATTGTGT AAAGTCATGAACCGGATAAAGAACCTTAAAGAGAGAAAA GGGAATAGAGGTTACCAATGAATTGCAGTTTCCAAATT GCAGAG
7	ADXCRP D.7289.C1 _s_at	INO80	Sense	INO80 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:26956]	7	CTCTGATTTGCACACCTGAAATCGCGGAATTGAGTTTC GATAGATTGATTTTAAACTTTTGGAGTAGGGGTAT AGGGGAATCATTTAATTTAAATCATTAAAGATTCCCTGCT CAAAACCAGATTCTGTGTACAGATGCTATTTAGAGGGA ATCAGAAAAATGCCAAGCCTTTCTCTTTGAATGTGCTA TTTTTATAACTGAACCTGTACATATGTATAAAGAGAGACA CATCTTCCTTTACTA
8	ADXCRA G_BC011 901_at	KRT17	Sense	keratin 17 [Source:HGNC Symbol;Acc:6427]	8	GCTTCCTTGCCTGATGACAATAAAGCTTGTGACTCAGC TAA
9	ADXCRA D_BE2959 38_at	RBBP4	Sense	retinoblastoma binding protein 4 [Source:HGNC Symbol;Acc:9887]	9	GGGTCAGAAAGATGCCCTTCAGTTTTGGTCAGTGTCTAAA AGTTAAGTCTGTTTAGGCCAAGCATGGTGCTCACGCC TGAAATCCCAGCACCTTGGGAGGCCGAGGCAAGTGGA TCACAAAGGTCAGGAGATGAGACCATCTTAGCCAACATG GTGAAACCCCGTCTCTACTAAAAATACAAAAAATTAGCC AGCGTGCGGTGCGTGCCTATAATCCCAGCTACTTGG GAGGCTGAGGCAGGGGAATCGCTTGAACNCGGGAGGC AGAGGTCACGCCCATGGACTCCAG

FIG. 7-2

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10	ADXCRA D_NM_00 2260_s_at	KLRC1 /// KLRC2	Sense	killer cell lectin-like receptor subfamily C, member 1 [Source:HGNC Symbol;Acc:6374] /// killer cell lectin-like receptor subfamily C, member 2 [Source:HGNC Symbol;Acc:6375]	10	CTTTCTAAAGTTGCATGTTATGTGAGTCAGCTTATAGG AAGTACCAAGAACAGTCAAAACCCCATGGAGACAGAAAGT AGAATAGTGGTTGCCAATGTCTCAGGGAGGTTGAAATA GGAGATGACCACTAATTGATAGAACGTTTCTTTGTGTCG TGATGAAAACTTTCTAAATTTTCAGTAATGGTGATGGTTGT AACTTTGCGAATATACTAAACATCATTGATTTTAAATCAT TTTAAGTGCATGAAATGTATGCTTTGTACATGACACTTCA ATAAGCTATCCAGAAAA
11	ADXCRA D_AF1438 66_s_at	ZC3HAV1	Sense	zinc finger CCCH-type, antiviral 1 [Source:HGNC Symbol;Acc:23721]	11	AGCAAGCTTACTAAAACTGCACCTTCACACTTAGCTTAA TGTTTGAGGGAATTAACCTTCATAAA
12	ADXCRP D.14126.C 1_at	FNDC3B	Sense	fibronectin type III domain containing 3B [Source:HGNC Symbol;Acc:24670]	12	ACCATGGCAACGAGGTAGTCTGTTCTATTTTGGAGTAT GAAAGTAGTGCCCTTCTTAAATCTAATAATAATGAGAGTT CCAGAAAACCCAGTGTCTCAAAACAAATTTGATTTA
13	ADXCRSS .Hs#S192 6324_at	AC018359.1 (Clone_based_ vega_gene) /// AC123023.1 (Clone_based_ vega_gene)	AntiSense	Novel processed transcript /// Putative processed transcript.	13	TGGGCTTAAACTCAGCTCTGCCACTTACATTCTCATT TCTTTCTATCCTGGGTCTGCCAAAAATGTAAGAAAAAGTTT TCACATTTTTTTACCAGTTTTTCTCACCCCATGACCACCT GTCTCAAAATGATTATGCAACAGCCAGAGTCCCCCAT CCAAAATTCCTTTGCAAGAGCAAGATTTCCCTCGCTATT TCTGAATTCATCCACACCTCTATTTCTCTCT

FIG. 7-3

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14	ADXCRA D_BX0911 64_s_at	RNF39	AntiSense	RING finger protein 39 isoform 2 [Source:RefSeq peptide;Acc:NP_73957 5]	14	ACTCCCCAAGGGTTCTCAATTCTCTTTTCCCAGGCTCGT CCATGACTGTTTCTTGTCTCCTCAGAGCCCTTGCCCTTCCTT GCTGCCTCCTCAGTCCCATTTCTCTGTCTCTTTTCAGCGG CCCCATCCTTATCTACCTTCCCCCAGTGTCATCCCAGAAAA ACATCTGTCCCTTCC
15	ADXCRA D_BX6412 59_at	NHLRC3	Sense	NHL repeat containing 3 [Source:HGNC Symbol;Acc:33751]	15	CCTGAGCTTGGGTGACTCATTGTGTGCTAAGAAAAAAA TCAAAATTCAGAACATGCGAGACCTCGACCCAGGTAAAT
16	ADXCRA D_AA6012 08_x_at	AC004878.3 (Clone_based_ vega_gene)	AntiSense	Known pseudogene.	16	GACTGGAGAAAGAGAGGTGGCATAAGATTGACTAAGA TGAAGGAAGGGGCCAGGCGTGGTGGCTACCCCCTGT AACCCCAACACTTTGGAGGCTGAGGCGGCGAGATCA CCTGAGGTCAGGAATTCAAGACCAGCCTGGCCACATG GTGAAACCCCATCTCTACTAAAAGTACAAAAATTAGCCA GGCGGTAGTGGTGTGCCCTAT
17	ADXCRP D.10016.C 1_at	SATB2	AntiSense	SATB homeobox 2 [Source:HGNC Symbol;Acc:21637]	17	ATCCTCAACAGCTAATCACTCTTTTAACCTCCTGAATTCTG GCTCCTGTCCCCACTACTTTAATGAAATTATACTCTAA CTTCGCCAGTCTTCTCCCAACCAACTGCCAAATCTCATG ACATGGTTTTAAGCCTCTCTCTCTTAACCTCTCAGCTTTC CACAAGTAGACAAGTCTTCTTCTGGAAACTCTCCACGCA TGCTCTCTATACTCTCACTACTGTCTCCCTCTTCTCCTT CTCCACCTGCCCCCATCTCCTGGCATTTCTACTCTCTTT

FIG. 7-4

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18	ADXCRA G_BC072 004_at	CLCN2	Sense	chloride channel 2 [Source:HGNC Symbol;Acc:2020]	18	TTCTCCCAGTTTCATCCTACCTGGAACTCTGACCCCACTACC CACCTGCAACAAGTCTTCCAGAGGCAGGAAGATAGGCC CTGCCCTGCAGGATGGTTGGGTCACTTGACCCCT GCTCCCCCTTTGAGGGGAAAGGGTGGAAGTAAGATG GGTTATAACTGGAACCTCCAATGACCAGATGTATATAG AGATTACAAAGATTTTATATTAATTAATAAAACAAATT CTTAAATAGAACAAAATAAACACCTAATGAGCCACTTAT ATAT
19	ADXCRA D_BF8807 25_at	AC079781.1 (Clone_based_ ensembl_gene)	Sense	Known long non-coding RNA	19	ATGGTGATAAATGGGACTTAGGACTAAAACTCATGCCT TGGTGTTTTTGCAGTGATGTTTTGTTCTGGGGTGCA CACAA
20	ADXCRA G_NM_00 3234_s_at	TFRC	Sense	transferrin receptor (p90, CD71) [Source:HGNC Symbol;Acc:11763]	20	GCGTAGCTAAGTGAAAAGGTCACTAGCTGAGATTCCTGG TTCGGGTGTTACGCACACGTACTTAAATGAAAGCATGTG GCATGTTTCATCGTATAAC
21	ADXCRA D_AL8320 68_at	SIK3	Sense	SIK family kinase 3 [Source:HGNC Symbol;Acc:29165]	21	ACTCTCAAGAACAGTAGAGGGGAAAGAAAAAGAAAA GAACAGTGGAGGTTGTGGTAAAGGACATTTGAGAAGAG ATTCATGAAACAGGCCAAATGGTAGGTTTGCTAGTTCCG AGGGGAGAACCAATGAATTAATTTAGAAAGAGCTTCTC TGGGATTAGAATGAAATAAATCACTGGCTGGGTGCAC ACCTGTAAATTCAGCTATTCAGGCAGGAGGA

FIG. 7-5

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22	ADXCRA D_NM_02 1777_at	ADAM28	Sense	ADAM metallopeptidase domain 28 [Source:HGNC Symbol;Acc:206]	22	TTGTCTCAGCATCAGTATATCCCATGCAATATTTGAGGT GTGCTCATACTAAAAATTATTTGTGTATCTGAAATTCAAAT TAAACTGGGTGCTTTTTCTTTTCATCTGGAACCCCTACT AAGATCATAAACCCCTTGGA
23	ADXCRA D_BP3934 43_at	SLC2A3	Sense	solute carrier family 2 (facilitated glucose transporter), member 3 [Source:HGNC Symbol;Acc:11007]	23	ACTTGGGAGGAAATACACAGTAGTTAGAAAAAGCCTCCT AGGTGATTTTGATGAATCCCAGTCTCAAATTTCTTCATTT GGAATGATAATGTAGGCCACACGTATTACTGGAGAAAA ATGTGCTCCCGAGACTTTCCAGAGCAGCAGAGCTGGGA CTAGGCAGGTGAGGCAGCTACGTGCAAGTGTAGCCCT GAGAAATGAGCACCTCTTTAAAGAAATGTACCTTG
24	ADXCRA D_AA1315 06_at	CXCL9	Sense	chemokine (C-X-C motif) ligand 9 [Source:HGNC Symbol;Acc:7098]	24	GAGAGGTTGTCTGTGGCCAGAATTTAAACCTATACTCAC TTTCCCAAATTGAATCACTGCTCACAC
25	ADXCRA DRC.1543 2.C1_s_at	ZNF770	Sense	zinc finger protein 770 [Source:HGNC Symbol;Acc:26061]	25	TTGCATTAGGTATTAGTCTAGGGATAAAGTATACAGCGG GATGTGCGTTGGTTATATACAAATATGTCAATTTATGTAA GGGACTTGAGTATACTTGGAATTTTGGT

FIG. 7-6

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26	ADXCRA G_BC004 542_s_at	PLXNB2	Sense	plexin B2 [Source:HGNC Symbol;Acc:9104]	26	GAAAAAGCGGTACGATGCCTTCCTGACCTCACCGGCCT CCCCAAGGTGCCGGCACTCTGGGTGGACTCACGGCT GCTGGCCCCACGTCAAAGGTCAAGTGAGACGTAGGT CAAGTCCTACGTCGGGGCCAGACATCCTGGGTCCT GGTCTGCAGACAGGCTGCCCTAGAGCCCCACCCAGT CCGGGGGACTGGGAGCAGTTCGAAGACCAACCCACC CCTTTTGTAAATCTTGTTCATTGTAAATCAAATACAGCG TCTTTTTC
27	ADXCRA D.4449.C1 _at	ARHGAP8	Sense	Rho GTPase activating protein 8 [Source:HGNC Symbol;Acc:677]	27	TGCCTCTGGTCCTTGGACTCTTGTCCTGTTCTGAG CTGTGG
28	ADXCRA DRC.1402 9.C1_at	B4GALT5	Sense	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 5 [Source:HGNC Symbol;Acc:928]	28	GCCCAGCCTTGAAGTCATGTTCTAAATTGATTTGAATTT GTGCTCTTTGTTTTTCCCCAACCAAGCCCTCAAATT GTAGTCTCTGTCGGCTTCTGCAGAAATCTGGAAATGCC AGTTTCTCTCCCCGCCCTTGTGTTTCCATAAAACATATTT ATATATTGTGATGAGGAGTACTTTCTGAAGAGTACTTCG TANNNNNNNNAATTGCCCTTGTGCTTCAACTTCCTT GATTTTCA
29	ADXCRA G_BC005 352_s_at	TNFAIP8	Sense	tumor necrosis factor, alpha-induced protein 8 [Source:HGNC Symbol;Acc:17260]	29	AAAAGCTAGATTGGCTTGATATTGAGATAATAAAAAGT AAGTAGCATTAAAGAAAGGTAAACAATCTTCATTTACAGA TGAATCATTGAAACAATTTAGGGGAATGAGGGGCAAA AGGGGAGAAATACTGCTAAAGAACATGAGCATAAAAAC GCGTGGCTTTCAGTGTTTAAAGAAGGCTTGATAAA

FIG. 7-7

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30	ADXCRA D_BG619 847_at	EWSR1	Sense	Ewing sarcoma breakpoint region 1 [Source:HGNC Symbol;Acc:3508]	30	ATAATTATGGGCTCAC TTC TACTGGAGATGTTGAAAGT CTAAATCGGTTTGACCAATTTTGATTGATGGCACAATCTG GTTTAGAAAACCTTTGTTTAGATCAATGACATAAACCCCTGCT GCCTCTGCCCTGCCCTTCCCTCCCTTCTCCCATCCCT TTTCCCTATCTGCTGCTGCTACTTTGATGAAGGTGAGCT ATAATATTGGTGGTTAATAATAATCCAGAAGGCTTAGTTCT GTGTGT
31	ADXCRA D_N86095 _at	FLCN	Sense	folliculin [Source:HGNC Symbol;Acc:27310]	31	GAGGAAGGGCTGAAATGCTTTTCTATTGGATACTATCTGG GCATATTACTTCTGTGTTCACTGTCTGGGTGACAGGA TTCATAGAAGCCCCAACTTTAGCACCCACGCAGCATACC CTTGTAACAAAGCCGCACACGTACGCCCTCAAGCTAAA ACAAAAGTGACCGGAGCCGAGGTGGGGATCATGA GGGTCAGGAGTTTGAGACCAGCCTGGCAGATAACGGT GAAACCCCGTCTCTACTAAATATACCAAAAAGGTTAGCC GACATGGTGCAGGTCTTT
32	ADXCRA D_CX7857 94_s_at	GUF1	Sense	GUF1 GTPase homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:25799]	32	CTTCTCTCTTACCTGCCTATGCTTGAAGCCCCGCCCC TCTTCAAGTTGCTCCTGCCCTTTCAAGACCAATGTACA
33	ADXCRIH. 2688.C1_s _at	ARSE	Sense	arylsulfatase E (chondrodysplasia punctata 1) [Source:HGNC Symbol;Acc:719]	33	GAAAAAGTAGTCCACCACGATCCACCTTTGCTCTTTGAC CTCTCAAGAGACCCCTTCTGAGACCCACATCCTCACACC AGCCTCAGAGCCCCGTGTTCTATCAGGTGATGGAACGAG TCCAGCAGGCGGTGTGGGAACACACGCGGACACTCAG CCCAGTTCCCTCTGCAGCTGGACAGGCTGGGCAATATCT GGAGACCGTGGCTGCAGCCCTGCTGTGGCCCGTTCCC CCTCTGCTGTGCTTAGGGAAGATGACCCACAATAAA TGCTCTGCAGTGAA

FIG. 7-8

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34	ADXCRP D.6725.C1 _s_at	EFNA3	Sense	ephrin-A3 [Source:HGNC Symbol;Acc:3223]	34	TCTTCTGTGAAGACAGGACCTATGCAACGCACAGACAC TTTTGGAGACCGTAAACAACAGCGCCCTCCCTTCC AGTCCTGAGCGGGAACCATCTCCAGGACCTTGCCCT GCTCACCCATGTGTGCCACCTATCCTCCTGGGCCTT TTTCAAGTGCTTTGGCTGTGACTTTCATACTCTGCTCTTA GT
35	ADXCRP D.16070.C 1_at	TMEM87A	Sense	transmembrane protein 87A [Source:HGNC Symbol;Acc:24522]	35	GTCATGAGACGGGATTTGGTCACCAAGGAAGTGAGTAT ATATAGAGAAGAGGTCCAAAGGCTGGGCCCTTGAATAT TTAATATAATTTAGAGTCTGTAAAGATGAAGTAGTTAGC AGAAAGAACTTGAGGAGAGACCAGTGAGGTGGGTAGCA AAAC
36	ADXCRP D.2228.C2 _s_at	KIAA0141	Sense	KIAA0141 [Source:HGNC Symbol;Acc:28969]	36	CCACTGGAAGGAGTGTTGTAAAGACTAGGTTTGGCTA AGAACTTCTCACCTCAGCCCTANAGAGGGAGCCTGTGG GTTCTCAGAGAGATATCACAATTTGAGTCCCAAAGA GGCCAGATACCCACCCACCTTCCCCAAATCTTAAGCA CCTGCGCCAGTACAGTCAAGAAGAGG
37	ADXCRA D_AW604 939_x_at	CD177	Sense	CD177 molecule [Source:HGNC Symbol;Acc:30072]	37	TTTGCCCTTCTGCTAACTCTATTACCCCCACGATTCTT CACCGATGATGACCACCCACACTCAACCTCCCTCTGAC CTCATAACCTAATGGCCTTGACACCCAGATTCTTACCCA TTCTGTCCATGAATCATCTTCCCCACACACAATCATCA TATCTACTCACCTAACAGCAACACTGGGGAGAGCCTGG AGCATCCGGGACTTGCCCTATGGGAGAGGG

FIG. 7-9

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38	ADXCRA D_AK0248 64_at	RP11-294O2.2 (Clone_based_ vega_gene)	Sense	Novel processed transcript.	38	GGAAGAGCTCGGTGAGCATGATCATGGCTCAGGTTCTC CATCCACATGCCTAAGACAGGGGTGAGTGTGAAGATGG GAACTGACTCAGAAATTAACCTGTGTGATCATGGCAAGTT GCCAAGTTAACCCCTCATATCTAAATTCAGGTATCCTTGA ACAAACATAGACAGATACTGATGATCCGCCATGTTTACT ATAACCATAAACTCTTTGTGAATTAAAAATGGCCTCTCAA CCTGGA
39	ADXCRA D.10763.C 1_s_at	AC027612.6 (Clone_based_ vega_gene)	Sense	lymphocyte-specific protein 1 pseudogene (LOC654342), non- coding RNA [Source:RefSeq DNA;Acc:NR_027238]	39	CAGGGCCATACAGGGTGTGTACATCACAGATAGGG
40	ADXCRA D_AL8320 68_x_at	SIK3	Sense	SIK family kinase 3 [Source:HGNC Symbol;Acc:29165]	40	GTAATCTCAAGAACAGTAGAGGGAAAAAGAAAAAGAAA AAGAACAGTGGAGGTTGTGGTAAGGACATTTGAGAAG AGATTCATGAACACAGGCCAAATGGTAGGTTTGTAGTTT GCAGGGGAGAACCAATGAATTAATTTAGAAAAGAGCTT CTCTGGGATTAGAATGAAAATAAATCACTGGCTGGGTG CACACCTGTAAATTCAGTATTCAGGCAGGAGGATGGC TCGAGCCTAGGAGTTGGAGGTCAGCATAGGCAACATAG GGA
41	ADXCRA G_BX6484 99_s_at	C4orf41	Sense	UPF0636 protein C4orf41 [Source:UniProtKB/Swi ss-Prot;Acc:Q7Z392]	41	CAAGACCGGCCCTTGGCTGTTGTTACAGAGATGTTGGG CAGAGCTATGCAGGTGTTTCATTGTGAACCTCTAGCTTTG ATCATGGTAAAAAGTTAACCTTTTCTATTTTTTAATGGAT GTTATACC

FIG. 7-10

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42	ADXCRP D.4415.C1 _s_at	TCOF1	Sense	Treacher Collins- Franceschetti syndrome 1 [Source:HGNC Symbol;Acc:11654]	42	GAGAGACAAAGCAAGTGGTGATGTCAAGGAGAAAG GGAAGGGTCTCTTGGCTCCCAAGGGCCAAAGGACGA GCCA
43	ADXCRA D_CX7521 89_s_at	GTF2F1	Sense	general transcription factor IIF, polypeptide 1, 74kDa [Source:HGNC Symbol;Acc:4652]	43	AGCGCGGCTCAAGGATCAGGACCAGGACGAGGATGA GGAGAGAAAGGAGAAACGTGGCCGCGAGGAGCGGAGC GAGCTGCGCATCCACGACCTGGAGGACGACCTGGAGA TGTCGTCCGATGCCAGTGATGCCAGTGGTGAGGAGGG GGCAGAGTCTCCGAGGCCCAAGAAGAACGCCCGCTG GCTCATGGCGGGCGGAGAAAGAAAGAAAGAGGGTT CAGACGACGAGGCCTTCGA
44	ADXCRA D_AW265 514_at	TRPS1	AntiSense	trichorhinophalangeal syndrome I [Source:HGNC Symbol;Acc:12340]	44	GGGAGTCCAGGATTAAGTTTTCAGGGTTTGGTTTCTA GTGAGGGCTTCTTCTCGCTTGCAGATGGCCATCTTC TCTCCATAGGCTAACATGGCCTCTACTTTGTGTGGGA GAGTCAGAGATAGAGCAAGCCCTCTTGTGTCTCTTCATA TAAGCCTACTAATCCCCCATCAGACCAGGTCCCCTTATGAT CTTAAAC
45	ADXCRP D.2546.C1 _s_at	MED1	Sense	mediator complex subunit 1 [Source:HGNC Symbol;Acc:9234]	45	AGCAAGGTGTCTCAGAACCCCAATTCTTACCAGTTTGTG CAAAATCACAGGGAACGGGGGTCTACCATTTGGCTCGAG TCCAACCCCTCCTCATCACAAACGCGCCACCTGTCTCTT CGATGGCCGGC
46	ADXCRA D_CN427 849_at	PLXNA3	Sense	plexin A3 [Source:HGNC Symbol;Acc:9101]	46	CAGGTGTTGGGACAGTCCCACCCCTCCCTGCTATTATAT CCCTCTGCCCTATTTATTGAATCGAACTTCGCCTCTGTCT CCATCTGTAAATATGTG

FIG. 7-11

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47	ADXCRP D.6189.C1 _s_at	CHD3	Sense	chromodomain helicase DNA binding protein 3 [Source:HGNC Symbol;Acc:1918]	47	AGAGTGGCAGTTTGCATGGCGAACCCCCACCTTCCTCT TTGCTGCCCCCTTCACTTTCTTGCTGCCCCCTTTCCAGTC TCTCTCACACCCACTCCTGGTCTGCTGATCCCCCTCT TCTGTATCAGGTTTATTGGTTGTACATAT
48	ADXCRP D.4446.C3 _at	B3GNT3	Sense	UDP-GlcNAc:betaGal beta-1,3-N- acetylglucosaminyltrans ferase 3 [Source:HGNC Symbol;Acc:13528]	48	GAATATTCTGGCTGGCGAACTCCTACACATCCTTCAAAA CCCACCTGGTACTGTTCCAGCATCTTCCCTGGATGGCT GGAGGAACCTCCAGAAAATATCCATCTTCTTTTGTGGCT GCTAATGGCAGAAAGTGCCTGTGCTAGAGTTCCAACGTG GGATGCATCCGTCCCGTTTGAGTCAAAGTCTTACTTCCC TGCTCTCACCTACTCACAGACGGGATGCTAAGCCGTG CACCTGCTGTGGGT
49	ADXCRP D.8017.C1 _at	GSTO2	Sense	glutathione S- transferase omega 2 [Source:HGNC Symbol;Acc:23064]	49	TAAGACCTACTATCTGATAGCCCCACATGGTGACTATAG TAAATAATAACTTAATTGCACATTTAAAAATAACTTAAAC AGTGTAATTGGGTTGTTTGTAATTGAAAGGATAAATGCT TGGGGGAGTGGATACCCCATTCCTCCATGATGTGCTTATT GCATACTGCATGCCTGGACCAAATATGTACCCCAT

FIG. 7-12

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50	ADXCRSS .Hs#S300 6539_at	AC010522.1 (Clone-based (Ensembl)) /// ZNF418 /// ZNF814	AntiSense	cDNA FLJ52732, moderately similar to Zinc finger protein 418 [Source:UniProtKB/TrE MBL;Acc:B4DR41] /// zinc finger protein 418 [Source:HGNC Symbol;Acc:20647] /// zinc finger protein 814 [Source:HGNC Symbol;Acc:33258]	50	ATTACTACCTTATTATGAAGTGTGCCCTCCAAAAT
51	ADXCRG G_NM_00 3890_at	FCGBP	Sense	Fc fragment of IgG binding protein [Source:HGNC Symbol;Acc:13572]	51	CTTTTCTGGGTCACAGAGGCCAAATGTGAGAGCATTGA ATAAA
52	ADXCRP DRC.1112 6.C1_at	KDEL3	Sense	KDEL (Lys-Asp-Glu- Leu) endoplasmic reticulum protein retention receptor 3 [Source:HGNC Symbol;Acc:6306]	52	GACCTTTTCATCAATAGATCGCCCTTAAAGACCCATTGT AAGGTCATAAAAAACCTCGGCCAACTGCACAAAGATGG TGCCTCACTGCAACAAGAAACCTTAAGGTGCTTACCGA CGAAATAAAAAACATAAATGATTGTTCTCCAAGGCCCTGA GGCAAGACTCATGATGGCAAGTCAACCCCAATCTGG AACAAATGTCCTCCTCTTAG
53	ADXCRG G_AL3899 51_s_at	NUP50	Sense	nucleoporin 50kDa [Source:HGNC Symbol;Acc:8065]	53	GATTATGTTTTCCATGGAAGGACAAAGTCTGACTGTTTCAT AGGCTGATTTTCTTTAAGAGGATTATTCTGTTTACAATT TCAATTCTAGATCACATTTTATATATATGCTGCATGCCAAA AAA

FIG. 7-13

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54	ADXCRA G_BC062 348_s_at	AL136419.1 (Clone_based_ensembl_gene)	Sense	Full-length cDNA clone CS0DF029YN24 of Fetal brain of Homo sapiens (human) Fragment [Source:UniProtKB/TrE MBL;Acc:Q86U40]	54	ACCTGTCCCTGTCCCTACCTTAACTGATCAATCGACCTTG TGACAGTCTTCTTCTGGACAATGGTCTTATCATCTCCCC CACCATGTACCTTGTGAC
55	ADXCRA D.2239.C1 _s_at	SLC2A14 /// SLC2A3	Sense	solute carrier family 2 (facilitated glucose transporter), member 14 [Source:HGNC Symbol;Acc:18301] /// solute carrier family 2 (facilitated glucose transporter), member 3 [Source:HGNC Symbol;Acc:11007]	55	TAGACAGTATGAGTCAATGTGCAGTGTAGCCCACACTT GAGAGGATGAATGTATGTGCACGTGACCTTTGCTCTGG GTGGAAGTACGTTATTGTGACTTATTTTCTCTGTGTTTG TTCCTACAGCCCCCTTTTCATATGTGTGCTCAGTCTCCCT TTCCTTCTTGTGCTTACACATCTCAGACCCCTTAGCC AAACCCCTTG
56	ADXCRA D.8017.C1 _x_at	GSTO2	Sense	glutathione S- transferase omega 2 [Source:HGNC Symbol;Acc:23064]	56	AAGACCTACTATCTGATAGCCCCACATGGTGACTATAGT AAATAATAACTTAATTGCACATTTAAAAATAACTTAAACA GTGTAATTGGGTTGTTGTAATTGAAAGGATAAATGCTT GGGGAGTGGATACCCCATTTCTCCATGATGTGCTTATT GCATCTGCATGCCTGGACCAAAATATGTACCCCATAAA TATATACACCTACTATGTGCCCCCGAAA

FIG. 7-14

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57	ADXCRA D_BF1971 18_at	N/A	No Transcript match	N/A	57	GAATTTGGTTTTGATCTCCCTATTGAGAGACTGGTGATAC AGTATTTGTCTATCCCTGCACAAATTATTAAAGCAAGTTT TGCCATTCTGTATTCTTCCCTCATGAATATCTTGATTACT TTTGGCCCTAACTCATCAAGTTCCACAGAAATCCCAATT GGAATCTTAGTTAAATTTGTTGTCTATGGACCAGTTG AAGAAACTGACACATTTATAATACTGACTCTGTTCACATA AAG
58	ADXCRA D.1045.C1 _s_at	FBXO45	Sense	F-box protein 45 [Source:HGNC Symbol;Acc:29148]	58	CCAGCTTTAAAGGTGAGATTGTAGAGATGCTGTCAAAG GGATAAGGAAATAGCAAGATTTTAAAGTAGTGTGTTTGT GAAGACTGATCCCCCATTTTACAACCTGCCTGTTCTTTCTC CAGTCCNNNNNNNNCAGCCAGCTTGACTATTAGAAAA GTATGAAACTGGTTGGGGTTTATTAAATATTTTAAATATA TTGAGAAGCATGGTCTG
59	ADXCRA D_BF9617 33_s_at	ST7L	AntiSense	suppression of tumorigenicity 7 like [Source:HGNC Symbol;Acc:18441]	59	AAATTCAAATATGGAACCTTGAGGCCAAAAAACAGAAAGT TACTCTCAATGCCATCC
60	ADXCRA D_CX8721 71_at	C12orf47	Sense	N/A	60	TATGTGCCAAATCTACTAGACATTGGAGAAACAGTAGGA ACAACACATGGTACCGGCACATGGATCTTTTCAGG

FIG. 7-15

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61	ADXCRH. 283.C1_at	OLFM4	AntiSense	olfactomedin 4 [Source:HGNC Symbol;Acc:17190]	61	AGTCTGGTTCTAATCTTCTGAGCTGCCTTTGGAAGGAAG TTATGAGGTAGAAGATTCTACTGACTTTTAGTAAGGTGG ACAATGAGAGAAAAGAAAAGCAGGTGCCTCATCTACA GATCCTTCTGGGATTTATTTGCCATGTACAAATTTAATGCA TAAAAAGGCCCTCTCTCCATAAAACTCAGCACTTTACAGA TGTAATATATAAGCATGCCAAATTTACTTATCTGTCCAC ATACAAAGCATCATCCAGGTGCTAGTGAGG
62	ADXCRP D.15298.C 1_at	GRHL2	Sense	grainyhead-like 2 (Drosophila) [Source:HGNC Symbol;Acc:2799]	62	GTAGCAGTAGGACAGTACACAGTAGAAGACAGTCTAGG ACAGTTCAGAGTACACAGTAGGACAGTTCACAGTAAGA CAGTTCACGGTACCCAGTAGGACAGTACACAGTAGAAC AGTTCACAGTGCANNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN AGTTCACAGTAAGACAGT
63	ADXCRSS .Hs#S191 8752_at	DEDD	Sense	death effector domain containing [Source:HGNC Symbol;Acc:2755]	63	GAAGCTGCCAGAGGGTAATTGGTTTCCAGAAAGTTCTT AAATTTGGGAGCTGTCTTGCCGCAAGCCATTGAGACTG GAAATTCTTGGAGTTGGTATTGTTTTGTAAATTGACTAA TAGAGAGTTAGGGAAGCCCTGGAGACTTGTGGGGGTGA GTTCTCTAAATGGTTTTAGGCTTGCTGTGTACTTTTGCA ACGAGATTGTCTAATTCTATGGGCTCTGAGGT
64	ADXCR D_BC0356 61_at	SMC5	Sense	structural maintenance of chromosomes 5 [Source:HGNC Symbol;Acc:20465]	64	TTCTTGTGCATTATTACATTTACTCATACCTCCAGGACAA TGTTGAAGAGAAAATGATGTATTAGTCCATTTTCACACTG CTATAAAGAACTGCCCTGTATTAGCCTAGCATGGTGGCG GACACCTGTAATCCCAGCTATGCAAGAGGGCTGAGACGA GAA

FIG. 7-16

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65	ADXCRA D_BX0966 75_s_at	HKR1	Sense	HKR1, GLI-Kruppel zinc finger family member [Source:HGNC Symbol;Acc:4928]	65	AACCCAAACCTTAAAGCTGAAGACAGTCCCGGCTAAATC CTCATACTGAATTGAGAACCTGTCTTCCCAATTTGGTGTG CTTTCCTCCGATTGATCCCAACCCCTCACCTATTTTACG TATACCTGCCCTTTCCTAATTGGTTTTTACACTGCTGTG CCACACCTTTTGAGTGGTGCCTTTGCATA
66	ADXCRA DRC.6154 .C1_at	N/A	No Genome match	N/A	66	TGGTGAAATTTTGTACCCCGGATGCAGTTGGCACTTT
67	ADXCRA D.80.C1_s _at	PLK4	Sense	polo-like kinase 4 (Drosophila) [Source:HGNC Symbol;Acc:11397]	67	AAAAATGTTGGTGGGCTACACAGTTAACTAGTGGAGCT GTGTGGGTTTCAGTTAATGATGGGTCCCAGTTGGTTGT GCAGGCAGGAGTGCTTCTATCAGTTATACCTCACCAAA TGGTCAAAACAACCTAGGTATGGA
68	ADXCRA G_BC027 959_at	LOC80054	Sense	Homo sapiens hypothetical LOC80054 (LOC80054), non- coding RNA.	68	TTGGAGATAAGGCTTTTAGGAAGTCATTAAAGTGAGATG
69	ADXCRA D_BQ440 009_s_at	FBXO45	Sense	F-box protein 45 [Source:HGNC Symbol;Acc:29148]	69	CAGGTTGTTTTGTTCTAGTTCTAATTTCTTAAAAACCAC ACATGGTTACAAATTGGAATAACATTTGGGACAACTG GGTTAACTACAAAGAGGAGGATTTTAAGAGGAGATGTGT TGATTGACTCATTTTGTATTATTTTGGCTTACAGTTCC CATAGCTGTTAGAGTCTGG

FIG. 7-17

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70	ADXCRP D.14045.C 1_at	AL031666.1 (Clone_based_ensembl_gene) /// ZMYND8	AntiSense	Known long non-coding RNA /// zinc finger, MYND-type containing 8 [Source:HGNC Symbol;Acc:9397]	70	GGCCAATGAGAACCCAGCCTTCAAATAAACAAAGCTTCT CATTGTTAACACAGGGTTCAAAGGCAGGGAGGTTGGAG GTGTTTGCAGGGTATCCAGAAATTCTGATCGCTGAATAC TTTAGGCAAGAGTAAGATTTCCACACCTCCCCCTAA ATCTTACAATTCCCTGATGAGGCAGGAACATGGGAAAAA AAAGATACAGGTTAAATTACAAAGCAGAAAAATATGCCC AGCTAGAAGCTAAAGACCTGGTCTCAAAACACTGAACC GAGGAGCACTGATT
71	ADXCRA G_NM_00 2146_s_at	HOXB3	Sense	homeobox B3 [Source:HGNC Symbol;Acc:5114]	71	CCCTGGCCTGAGAGGTTGCTTTTAAGTCTTCCACCCCTT GTTCCATCTGCCTGCCAACCCATCGGAAAGGAATCCAC ATCATATTGGAGATGACCCCATCAACCCAGGGCTCCA GCACTACCAAGTTGGAATTCACGCCCGGGAGTGGGT AGAGGAAGACGACAGACAGGACGAGGCAGAAAAAGCACAT TTTAAAAACCAGACAAGATGGCTAGGCCATCACCAACC AACGGACTTACCTTACATCTTTGTAG
72	ADXCRA G_BC058 002_at	MORC3	Sense	MORC family CW-type zinc finger 3 [Source:HGNC Symbol;Acc:23572]	72	TTTTTCTATCCCTGCCATTCCAGTCTCCATTAGCACTCTA TTCCTCTCATTTATCCACCCCGTCTTCC
73	ADXCRP D.14007.C 1_s_at	APBB2	AntiSense	amyloid beta (A4) precursor protein- binding, family B, member 2 [Source:HGNC Symbol;Acc:582]	73	GAAACACGTGTATTATGGGAACAACCTGAAAGGTCAGCC TGAAGACTTTGCCCTGTTGCTTTCTGAGAGTGCTGGAT ATGAGTCCCTGTCTCTGAAACTTCTAAAAATATGCACCC TTAACCAAGCTTCCACGAGGGGATAAGCCTTTGTCAATA CAAATGGTACAGTGAGCAGCAGA

FIG. 7-18

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74	ADXCRA G_BC012 165_s_at	RMND5A	Sense	required for meiotic nuclear division 5 homolog A (S. cerevisiae) [Source:HGNC Symbol;Acc:25850]	74	AGTCTGGCCCCATAGTGACTTTTGGCCCATGATTCTGCT TCACTGTTGGAATCCTCTTTGAAGTTCCCCCTCTCTTTG CTAAGCAGTGAAGGAAGAGAACAGAGACAAACTCTTT GGACTGTGAAAGAGAAGGTAGAGAATTCAGGCAACAG TCTGACCAAGGGGTAAACCAG
75	ADXCRA G_AF1099 07_at	NUMB	AntiSense	numb homolog (Drosophila) [Source:HGNC Symbol;Acc:8060]	75	GGGAGGGGAGATACACATATATAATATTAATAAATGT CATCTTCCACAGAAACACTGACTCTGCCCTCCAAAAGT CACAAGTACAGATGGAGTCCAAAGTTCAGGAGTGTGCC CAAACCCAGATACTCAAACCAAACCTGCAGAAACATTGAG GAAAAACAAGCCCAAGCCATTATTTTAGAAACACAACG CAAAACAATAAGATAAAATTAAGTAAAGGGAAGTAACA GATGGAATAAAACCACCAAGATATCACATTCCATAAAGGC AA
76	ADXCRA D.9554.C1 _at	ZHX2	AntiSense	zinc fingers and homeoboxes 2 [Source:HGNC Symbol;Acc:18513]	76	GTGGTGGTTATCGACAGGAATCTGTCAGAGAGCATACC CATGGAGCATTATAATTGGAGCCATTCCAGAATTCTG GTTTGCATACAACTCTTTAAAAAGCCAGTACCCCTGAAA TGACACTATCTGAGCTCTGCCCTTTCCTGTGATGAGTG ATGTTGGTCCCTGCTTCTAGTTCTGCTCTCAGTCTCCAC CATCGGCTTCTCAGATTTTCCTCCAGGACCAGCAGGC AGGTGGGTGTGTGACTTTGTGGCAGACACTGTGGCAG ATTAAAGGTGGTTGCAAAT

FIG. 7-19

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77	ADXCRP DRC.1009 0.C1_at	ELOVL5	Sense	ELOVL family member 5, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast) [Source:HGNC Symbol;Acc:21308]	77	ACCACCTGAAGGACCACCAAGAATGGGTCCATGGCTGCT GTGAATGGACACACCAACAGCTTTTACCCCTGGAAAA CAATGTGAAGCCAAAGGAGCTGCGGAAGGATGGAAGTC AAAGAAATTGAAACCCCTCCAAACCAACGTCATCTGATTGTA AGCACAAATATGAGTTGTGCCCAATGCTCGTTAACAGCT GCTGTAAC TAGTCTGGCCTACAA TAGTGTGATT CATGTA GGACTTCTTTC
78	ADXCRA G_AF3502 51_s_at	USP32	Sense	ubiquitin specific peptidase 32 [Source:HGNC Symbol;Acc:19143]	78	CTTG TAGCTGACATTTGGCAAAAGCGTCACTGAAAGGC AAGCTAAATG TAGTTATTTATCCTGTGGCCCTGAAGCA CAAAATAAAAAAT
79	ADXCRIH RC.3651. C1_s_at	TRIM31	Sense	Tripartite motif- containing 31 [Source:HGNC Symbol;Acc:16289]	79	GTTTACCGAAGGCACCAGTTCAGCCAGGAGTGAAATCC GGAGAGGAGCAACGCCAGCCTGGTCAAGTCCATCA AACCCCATGAGCCCGACCACTCTCGCTCTTCCCTTACATT CCCACGTCCCCCTTCTCTCCCAACCCCTCATATCAGCA AGGGAATTAATTAATGAGATTTGATAAATCAGTAGATA GAATGAGGTCCCCCTTTTGAATAATTTAGCAGACTGGAA CCCCCCCGCAAGCCTCTGTAGGGGTGGATGGAGACA CTTCTAACTTTAATAAA

FIG. 7-20

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80	ADXCRH. 1405.C1_s _at	CFB	Sense	Complement factor B Precursor (EC 3.4.21.47)(C3/C5 convertase)(Properdin factor B)(Glycine-rich beta glycoprotein)(GBG)(PB F2) [Contains Complement factor B Ba fragment; Complement factor B Bb fragment] [Source: UniProtKB/Swi ss-Prot; Acc: P00751]	80	CTGAGGAGTGAGTCCCTATGCTGACCCCAATACTTGC AGAGGTGA
81	ADXCRP D.17657.C 1_at	ARHGEF1	AntiSense	Rho guanine nucleotide exchange factor (GEF) 1 [Source: HGNC Symbol; Acc: 681]	81	GCATTACACATGTGCATGCTCACACAGAGACGGTTCT GGAGTTGTGGAGGGAAGCCTGCCCCGCCCTTCGGGCCC CACTCCCTGAACCTACAGCTCTCTCCATGGCCCCCCTC ACCTGCTCGGGCTGGCCCGGGCTTAGGGCGAGAGGC AGGGCAGGGACTTTCAGGGATCCGGCAGTCTCAGTG ATGAGAGCACACCAGCTGGGGAGAAAGGCCAAATCCCT GGCA

FIG. 7-21

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82	ADXCRP D.2812.C1 _x_at	CCND2	AntiSense	cyclin D2 [Source:HGNC Symbol;Acc:1583]	82	AGGATTCCCTTCTGTGTTTAAAGCAGAGAGCAGGCAGAAA AGCCTAACAAACCCCGTCTTTCCCATCGGCAGCCCCAC GCCCATCATCACACAAGGCCCAAGGATGGGAAAGAGA AAAGCTAGAAAGGACCCAGGGCCCTCGGACTACAGGA AGAGTGGAAAGTTACAGACTGTAAATAGAGTCGGGTAG GCTTGTGCCCTTCCTTATTGTCCGGTTCTTTCAATTGCT GCTTCTGTTTAAAGCTCAAGGTCAGTCACCATGAAATGA ATTGCAACCTCGGTTCTCTTTAGGCTCCA
83	ADXCRA G_X56774 _x_at	IGF1	Sense	insulin-like growth factor 1 (somatomedin C) [Source:HGNC Symbol;Acc:5464]	83	CTCAGAGAAGGAAAGGTTGGCCAAAGACACATCCAGGA GGGAACAGAAGGAGGGGACAGAAAGCAAGTCTGCAGA TCAGAGGAAAGAAAGAGAGCAGAGGAGGGAGATTGG AAGTAGAAATGCTGAATGCAGAGGCCAAAAAGGAAAT GAAGCACAGGAGGATTAAACAGACAGAGGCAAGGATGA TGAGAGAGGAGCAGACAGCAAGAATGAAAAGCAGAAAA TACAATAGAGGAAATGAAGAAAAAGTAGGCCTGCTGGAG CTAGATGATGATGT
84	ADXCRIH. 1727.C1_s _at	FLNB	Sense	filamin B, beta [Source:HGNC Symbol;Acc:3755]	84	GGCCCCATGGATTAAACGCCCCATCCCAAGGTCCGTCC CATGACATAACACTCCACACCCCGCCCGAGCCAACTTCA TGGTCACTTTTCTGGAAAAATAATGATCTGTACAGACA GGACAGAATGAAACTCCTGCGGCTCTTTGGCCTGAAAG TTGGGAATGTTGGGAGAGAGAAGGCAGCAGCTTATTGG TGGTCTTTTCACCATTTGGCAGAAACAG

FIG. 7-22

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85	ADXCRA D_BC0178 96_x_at	ARL17A /// ARL17B	AntiSense	ADP-ribosylation factor- like 17A [Source:HGNC Symbol;Acc:24096] /// ADP-ribosylation factor- like 17B [Source:HGNC Symbol;Acc:32387]	85	GGGAACTCTGTCACTACTGAAAAATACAAAAGTACAAA AAAAAATAAATTAGCTGGGCATGGTGTGCAAGCCT ATACTCCAGCTACTCAGGAGGCTGAATTTGGAGGATC CCTTGAGCCACAGGGGTTGAGGCTGCATTGAGGTATA ATTTGCCACTGTATTCAGCCTGGG
86	ADXCRA D_BP2959 13_s_at	CTSD	Sense	cathepsin D [Source:HGNC Symbol;Acc:2529]	86	GGCTCTGCCACCCCTACCTGTTCAGTGTCGCCGGCCCGT TGAGGATGAGGCCCGCTAGAGGCCCTGAGGATGAGCTGG AAGGAGTGAGAGGGGACAAAACCCACCCTTGTGGAGCC TGCAGGGTGGTGTCTGGGACTGAGCCAGTCCCAG
87	ADXCRP D.2812.C1 _at	CCND2	AntiSense	cyclin D2 [Source:HGNC Symbol;Acc:1583]	87	GGCCTCGGGACTACAGGAAGAGTGGAAAGTTACAGA CTGTAAATAGAGTCGGGTAGGCTTGTGCCCTTCCTTATT TGTCGGTCTTTTCATTTGCTGCTTCTGTTTAAAGCTCAA GGTCAGTCACCATGAAATGAATTTGCACCTCGGTTTCT CTTAGGCTCCA
88	ADXCRA D_NM_01 4630_s_at	ZNF592	Sense	zinc finger protein 592 [Source:HGNC Symbol;Acc:28986]	88	GAGAGCTCTGCCCTAGTCTGGTTTGGCAGGGCCCTTGA TCACCTTGCCCCCTCCTCCCTGTCTTCTCTGATTCTTTTC CCTCAAAATAGTCCTGAGAACTAATTGTCACAGACATTG GAATATTTGACTGCTCTCGTGCCATTTGAGAGGCTGCT GCCCCAGGCAGGCCAGCCCCCTACTCCTCTTGCGCTACAC TCATGTTGCTCAGACTATATTCA

FIG. 7-23

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89	ADXCRP DRC.3108 .C1_s_at	APOE	Sense	apolipoprotein E [Source:HGNC Symbol;Acc:613]	89	CTGGAACTGGCACTGGGTCGCTTTTGGGATTACCTGC GCTGGTGCAGACACTGTCTGAGCAGGTGCAGGAGGA GCTGCTCAGCTCCAGGTCAACCCAGGAACTGAGGGCG CTGATGACGAGACCATGAAGGAGTTGAAGGCCTACAA ATCGAACTGGAGGAACAACCTGACCCCGGTGGCGGAG GAGACGCGGGCACGGCTGTCCAAG
90	ADXCRA G_BC062 632_s_at	LRR37B2 /// AC005562.3 (Clone_based_ vega_gene)	AntiSense	leucine rich repeat containing 37, member B2 [Source:HGNC Symbol;Acc:25390] /// Known pseudogene.	90	GATGAAGAGGGCTGATTGTATCTTAACCTAGGGTCTTGCA TGCAGCTGGCACCTTAATGCATTTTATTGACTGTTTTAGC TAACATTCAATGGACA
91	ADXCRA G_BC016 467_s_at	FKBP10	Sense	FK506 binding protein 10, 65 kDa [Source:HGNC Symbol;Acc:18169]	91	GCCAGACTGGGCTGTAGTTAGCTTTTCATCCCTAAAGAA GGCTTTCCCTAAGGAACCATAGAGAGAGGAAGAAAC AAAGGCATGTGTGAGGGAAGCTGCTTGGGTGGGTGTT AGGGCTATGAAATCTTGGATTTGGGGCTGAGGGGTGGG AGGAGGGCAGAGCTCTGCACACTCAAAGGCTAAACTG GTGTCA
92	ADXCRP D.10820.C 1_at	NOL8	Sense	nucleolar protein 8 [Source:HGNC Symbol;Acc:23387]	92	AAGCTGAGAAACTACCTGAGGTGTCTAAAGAAATGTATT

FIG. 7-24

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93	ADXCRA D_AI8625 59_x_at	ANGPTL6	Sense	angiopoietin-like 6 [Source:HGNC Symbol;Acc:23140]	93	GGAAATTAAGGCTATTACTCTGAAGAAAGTTGGGGGCC AGGGCTCCTATTTTTTCTGCTGAGGAGATGGAAGATCAG GGCTTGATTCAATAAGAAATGGAGGGGCCAGGGGATG CCTGGCAAAAGCCTTGCACTGTGAGGTGCAGGTAGAGG CTTTTATTCTGGTGAGAGGACATGGACTCTCTCTCTCCC CTCAGGTAACGTGCCCCGTGA
94	ADXCRA D.3248.C1 _at	SLCO4A1	Sense	solute carrier organic anion transporter family, member 4A1 [Source:HGNC Symbol;Acc:10953]	94	ACTCCGCAGGGGCTGTGAATCCCACCTGGGAGGGCGC GGCCTGCAGCCCGAGGAAGGCTTGTGTCTCCTCAGTT AAACTGTGCATATCGAAATATATTTTGT
95	ADXCRA .Hs#S300 2165_at	SAMD4B	AntiSense	sterile alpha motif domain containing 4B [Source:HGNC Symbol;Acc:25492]	95	GGAGTTCTACGGGATCTGAGAGAAAAACCATGAGGAAA GTTTCAGGATCCTTAACAAATTTTGGAGCGTGTGATG TGGGGACTGGAAAAGATGTGGAGTATGTAAAAGGGAT TTTGGAAAGAGCTTTTGGAAATATGCTGAGAGTCCTC TGAGATTTTCAGGCAATTGCTGGAGATTTTGTAGATGAG TGGGGTGGGGAAGGGGATCCCGGTGAAGATCACTGG GCTACATGAGGGTGATCTCTA
96	ADXCRA D_CN408 490_x_at	CHAF1A	Sense	chromatin assembly factor 1, subunit A (p150) [Source:HGNC Symbol;Acc:1910]	96	GGAGCGCGCAAGGAGAGACACAGGAAGCCCTGGAGGCT AACTTGAGGAAAAAGGAAAAAGGAAAGAGAGAAACG GTTAAGAGAAAGAGAGAGCGCATTAAGCAGAGAGAGG CCGAAATCACGAGGTTCTTCCAGAAACCAAGACTCCA CAGG

FIG. 7-25

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97	ADXCRA D_CX8671 37_s_at	TMEM97	Sense	transmembrane protein 97 [Source:HGNC Symbol;Acc:28106]	97	TTAATTTTCATGTTGCGGAGCCCTACTACAAGTATGAA GAGAAAGAAAAAATAAGAGAAACAACCACTGGC CCAGGGTAGAGATGCCCTACAGGGTGGTTGTTGGA TACAATACAAGGAACACTGCTCAGAACCCACGCTTCA GCAGCATTTGAAACACTGGCAGCAATGCACAAGAGCAA GATGGTGTGAGGAACCATGTCAAACCCCTC
98	ADXCRA D_CX7847 58_s_at	PTK2	Sense	PTK2 protein tyrosine kinase 2 [Source:HGNC Symbol;Acc:9611]	98	TAAGCTTTTAAGCATCATGAAGAACAATTTATGTTACAT TAAGATACGTTCTAAAGGGGGATGGCCAAGGGTGACA TCTTAATTCCTAAACTACCTTAGCTGCATAGTGGAAGAG GA
99	ADXCRA D.6429.C1 _s_at	SULT2B1	Sense	sulfotransferase family, cytosolic, 2B, member 1 [Source:HGNC Symbol;Acc:11459]	99	GCCTGGAGCGTGAGCCCCAGACCCCACTCCAGCCCCAG CCCCAGCCCCGGCCAGGCCCTCTGAGACCCCGCACCCCA CGACCCTCATAATAAACACGTCGATTCTG
100	ADXCRA D_CX8721 71_x_at	C12orf47	Sense	N/A	100	TATGTGCCAAATCTACTAGACATTGGAGAAACAGTAGGA ACAACACATGTACCGGCACATGGATCTTTTCAGGAAAA CGAAGTAGGTAATAAACAGGAAAAAGCCCCGAGTCTGAT GCTAAGA
101	ADXCRA D_NM_02 2064_s_at	RNF123	Sense	ring finger protein 123 [Source:HGNC Symbol;Acc:21148]	101	CTGCCGTATCCTCATTTGGTGGAGCCCGCCATGGCC CTAATTGTGCGCTGAGCTTGACTTTTCAGTCAGGGCCACA GTGAGCATTAATTAAT
102	ADXCRIH. 3995.C1_s _at	TRIM5	Sense	tripartite motif- containing 5 [Source:HGNC Symbol;Acc:16276]	102	GGAGTTAAATGATGTCCTTCCAGGATAGTTCCCTTCCAT ACTCCTTCTGTTCCTTTCATTGTGCCCTCT

FIG. 7-26

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103	ADXCRA G_U91543 _s_at	CHD3	Sense	chromodomain helicase DNA binding protein 3 [Source:HGNC Symbol;Acc:1918]	103	CAGCCGTTTCCCTGCAGAATCAGCTCTGTCTCATGTGG AAGTGGAGAAATCAGCCTTGCCTGGCCTTTAGGAACCTTT GTGGGAAGAGAGCTTTGAAGAGAGAGGGGGACTTT AGAGAGGATGAAATAGCCCTGGGAGGAGGAAGG GACGAGGAGGGTGGCTGCATGTTACCGTCCCCTACCT CTCCCCACGTGGAGGTGGAGCAGTTATGAGGGAGGA AGTCAACTGCTG
104	ADXCRA D_4213.C1 _x_at	APOL6	Sense	apolipoprotein L, 6 [Source:HGNC Symbol;Acc:14870]	104	CAGGCATTCCCTTCTATCGATAATTACTCTTCAACCAAT TGCCAAATCAGAAAATTGTTATATCTACCTATAATCTAGAA GCCCCACATCAAGTTGTTTGGCCTTTCTGGACAGGAC CAATGTATATCTTAAATGATATTGATTGATCTCTCATGTC TCCCTAAAATGTATAAAACCACGCTGTTCCCGACCACC TGAGCACATGTTCTCAGGGTCTCCTGAGGCTGTGTC ACAGGCCATGTTCACTTACATTTGGCTCAGAATA
105	ADXCRA D_BE2959 38_x_at	RBBP4	Sense	retinoblastoma binding protein 4 [Source:HGNC Symbol;Acc:9887]	105	GGGTCAGAAAGATGCCCTCAGTTTTGGTCAGTGTCTAAA AGTTAAGTCTGTTTAGGCCAAGCATGGTGGCTCAGGCC TGAAATCCCAGCACCTTGGGAGGCCGAGGCAAGTGGA TCACAAGGTCAGGAGATGAGACCATCTTAGCCAAACATG GTGAAACCCCGTCTCTACTAAAATACAAAAAATTAGCC AGCGTGGGGTGGCTGCCTATAATCCCAGCTACTTGG GAGGCTGAGGCAGGGGAATCGCTTGAACNCGGGAGGC AGAGGTCACGCCATGGACTCCAGCC

FIG. 7-27

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106	ADXCRA D_NM_02 1651_at	EIF3K	Sense	eukaryotic translation initiation factor 3, subunit K [Source:HGNC Symbol;Acc:24656]	106	CGCACCAATTGCACTAGTGATAAGATCGAAACTCCAT
107	ADXCRA G_AJ4205 36_at	TPBG	Sense	trophoblast glycoprotein [Source:HGNC Symbol;Acc:12004]	107	TTTGAATCACCATGTCTGATAAAACATGCAATTGCTTT GGTGAATTTGTTTATTGTTGTTGTTGAGTGAAT GCTTCAGTTTGCTCTAGATTTTACITTTGTTGTTAAAAAT TACCATGTTTTAACCCCGAAACATTTAATGTTTTTGAA ATGATTTTTTCATAACAAATCTTATGAGTCTATTATAATA GGAAGTATTTTGAAATTTAATGGTGATATTCTTTGGAA AA
108	ADXCRESS .Hs#S191 8491_at	AXIN2	AntiSense	axin 2 [Source:HGNC Symbol;Acc:904]	108	TGTGCACAGGAGACTCAGGACAGTGGGGGGGAAAAGTC ACTTCTCCACATAAGAGGCTCAAATCCCAACGCCACCC TCCGTCAGACCCCTTTGGCCCCAGCTCCGACCCCTCCA GGGTTTACCAAGTTGGGCTTTCACAGCATGTCTGAGCA AACACGCAGCGACCTTTTACATAAATTGCAACCTCCTCCA GAGAGGAGAGAGGCCACATTCTCTCGGCC
109	ADXCRA D_BM702 062_at	TSKU	Sense	tsukushi small leucine rich proteoglycan homolog (Xenopus laevis) [Source:HGNC Symbol;Acc:28850]	109	TAACGGAGTGTCACTTTCAACCCGGCCTCCCCCTACCCCT GCTGCCCGGGATGGAGACATGTCATTTGTAAAAGCAG AAAAGGTTGCATTTGTTCACTTTTGTAATATTGTCCTGN GCCTGTGTTGGGTGTTGGGGGAAGCTGGGCATCAGT GGCCACATGGGCATCAGGGGCTGGCCCCACAGAGACC CCACAGGGCAGTGAGCTCTGTCTTCCCCCACCTGCCTA GCCCCATCATCTATCTAACCCGGTCTCTGATTTAATA

FIG. 7-28

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110	ADXCRESS .Hs#S373 0315_at	MUC6	Sense	mucin 6, oligomeric mucus/gel-forming [Source:HGNC Symbol;Acc:7517]	110	CATGCACAGATGGCCACATTCTGCCTCCATCCACTCAAT GCCAACAGGCACGATTCTCTCCACCGACAACGCTCAAGG CCACAGGGTCCACCCACACAGCGCCAACAATGACGCT GACCACCAGGGGACCAGCCAAAGCCCTGAGCTCATTTAA ACACAGCCAAACCTCTACATCCCTACATTACACACTT CCTCCACACACCATGCTGAAGCCACCTCAACTTCTACC ACCAACATCACCCCCCAACCCACCAGTACAGGAACCCC ACCAATGACAG
111	ADXCRA D_BM142 126_s_at	SAMD4B	Sense	sterile alpha motif domain containing 4B [Source:HGNC Symbol;Acc:25492]	111	CCCCATTATGTCATGACCTCACTTAAGTGGAACTATA TCATAACCCAGAGATTCTGTCGCCAGCCCCAGAGTCCGAC AGACTGTCTGTGTCCCTATTCTTAATGAGGG
112	ADXCRA D.9207.C1 _s_at	MUC3A	AntiSense	mucin 3A, cell surface associated [Source:HGNC Symbol;Acc:13384]	112	CACATCTGGCCTGACGTTCTCGTTGCATCAAGCCATCAT CCACCGGGCGCCCTGGACGCGCGTNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNAATGCTGACCCACT CAGTAGAGCAGGGGCCAGCCAGAGGGGGACGAAGTCA CCAATCCAGGCACCACTTCCCACATGTCCCTGCAACT TCTCTCTTCCAGTGTCTGAAGAAAGGAGGTGCCACC CCTCCTCCAGATAAATGGCCCCCAGAAAACGATCCAAAA AAATACCCAGGAGCGATTCTTATGTA
113	ADXCRA D_BM691 081_s_at	ARRB2	Sense	arrestin, beta 2 [Source:HGNC Symbol;Acc:712]	113	GATGATCAACTCTGCTAGGAAGCGGGTGGGAAGAAG GGAGGGGATGGGGTGGGAGAGGTGANGGCANGATTA AGATCCCCACTGTCAATGGGGATTGTCTCAGCCCCCTC TTCCTTCCCCCTCACCTGGAAGCTTCTTCAACCAATCCC TTCACA

FIG. 7-29

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114	ADXCRSS .Hs#S192 3930_s_at	IGLL5	Sense	immunoglobulin lambda-like polypeptide 5 [Source:HGNC Symbol;Acc:38476]	114	GCAGTCTCAGACACCAAGGAGGGGAGAGTGAAGTAA GAAACCTTCTTCAGAGACATAGGGATGGGAAGAA CTGCAGACTGAAGTGGGCAAGGACTGTAGACTTAA CCAGAGAGATTTGAGGGAGAGATGAGGCTGAGAGCCA GGGATCCTGCCATGTCCAGCATAAAACAGTACCTG ACACAGATAGGTGCTTGGGAAGCTGTTGTCGGATGAAT GAGTGGACA
115	ADXCRA G_AF3957 51_s_at	DCLRE1C	Sense	DNA cross-link repair 1C (PSO2 homolog, S. cerevisiae) [Source:HGNC Symbol;Acc:17642]	115	AAGCTGGCAACTGGTGAGAGTATAGCAGTCAAAAAAAG AAATGCTCAGTCTTAGATACCTAAGAATTCAAAGCGTT TCAACCTAGAGCAACCCTAAAAAACCTGCACAGAGAT GACAGTCAATATTACAATAGAG
116	ADXCRA G_AF0042 31_s_at	LILRB2	Sense	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 2 [Source:HGNC Symbol;Acc:6606]	116	AGCCCAGCAGATCCTACACACATTTTCACAAACTAACCC CAGAACAGGCTGCAAAACCTATACCAA
117	ADXCRA DRC.1452 8.C1_s_at	GALNT4	Sense	UDP-N-acetyl-alpha-D- galactosamine:polypept ide N- acetylgalactosaminyltra nsferase 4 (GalNAc-T4) [Source:HGNC Symbol;Acc:4126]	117	TCACTTTCCTGGATTGTCACTGTGAGTGTAAATCCGGTT GGCTGGAACCGCTTTTGGAAAGGATTGGGAGAGATGAA ACAGCAGTTGTGTCTCTGTTATAGACACAATTGATTGG AATACTTTGAATCTATATGCAGATAGGGAGGCCCATG ATTGGTGGGTTTGACTGGCGTTTAGCATTTTCAGTGGCAT TCTGTCCCCAAACAGGAAGGGACAGGCGGATATCAAG AATTGACCCCATCAGATCACCTACCATGGCTGGAGGA

FIG. 7-30

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118	ADXCRA D.16974.C 1_s_at	WWC2	Sense	WW and C2 domain containing 2 [Source:HGNC Symbol;Acc:24148]	118	TAGTGTGTTTGGCCCTAAATCTAAGGATGGTGCCTAGTGGT GGCCCTGTGTTCTGAGGACAGAGAGCTGGAGGGT GGAGGGGAATGCATCGGCACTCATTTGGTGTAAACCAAG AAGAGGGGGAAGATGTCCTTGATAGAAATCAAAGTTGCC AAAACAAAGAAGAGTCTATCAAGCAGATTTCTAACATT TAGCTAGAAACTACTTCATAGCTCTCATTTTTAG
119	ADXCRA D_AK0927 50_s_at	EHP1L1	Sense	EH domain binding protein 1-like 1 [Source:HGNC Symbol;Acc:30682]	119	CACTACCGCCCGCGCTGGCTTGGCCCTCCTGTTCTCCA GAGCAATAAAGTTGGACGAGACT
120	ADXCRA D_CF2721 04_at	HIST1H2AJ	Sense	histone cluster 1, H2aj [Source:HGNC Symbol;Acc:4727]	120	GAGAGCCACCACAAGACTAAGTAAAGACCGAGTTGA
121	ADXCRA D.1493.C1 _at	TNPO1	Sense	transportin 1 [Source:HGNC Symbol;Acc:6401]	121	GAATAAATGGGGTTGGGCATATCAAACATAAAGATG
122	ADXCRA D_BX1071 09_s_at	IGKJ3 /// IGKJ4	Sense	immunoglobulin kappa joining 3 [Source:HGNC Symbol;Acc:5721] /// immunoglobulin kappa joining 4 [Source:HGNC Symbol;Acc:5722]	122	TTCTCTGCATCGGTCAGGTTAGTGATATTAACAGCGAAA AGAGATTTTTGTTTAGGGAAAGTAAATTAAGTTAACACT GTGGATCACCTTCGGCCCAAGGGACACGACTGGAGATTA AACGTAAGTAATTTTTTCACTATTGCTTCTGAAATTTGGG TCTGATGGCCAGTATTGACTTTTAGAGGCTTTAAATAGGA GTTTGGTAAAGATTGGTAAATGAGGGCATTTAAGATTG CCATGGGTTGCAAAAGTTAAACTCAG

FIG. 7-31

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123	ADXCRA D_AA7747 60_at	EIF4G3	Sense	eukaryotic translation initiation factor 4 gamma, 3 [Source:HGNC Symbol;Acc:3298]	123	CAATATACAAAATGCCTCCAAAGCTCAAATAGCTATAAC TGACCAAGACATGGAAGAAACCAAAAGATCGGACCC GAACCACTGAAGAGATGTTAGAGGCAGAAATGGAGCTT AAAGCTGAAGAGGAGCTTTCCATTGACAAAAGTACTTGAA TCTGAACAAGATAAAATGAGCCAGGGGTTTCATCCTGAA AGAGACCCCTCTGACCTAAAAAAGTGAAGCTGTGGA AGAAAATGGAGAAGAGCTGAGCCAGTACGTAATGGTG CTGAGAGTGTTCCTGA
124	ADXCRA G_BC010 540_at	C11orf2	Sense	Protein fat-free homolog (Another new gene 2 protein) [Source:UniProtKB/Swi ss-Prot;Acc:Q9UID3]	124	CCGACGGCAGGTGTACAGGACCGGCCCTAATAAACATGTG T
125	ADXCRESS .Hs#S809 218_at	N/A	No Transcript match	N/A	125	AAATGTGACTGCTTTGTAAAACTCCAGAGTCAAGGACTC ATAGGCAGGAGGATGTCATAAAATTACAGGAAAGGATG AGAAATCTCCACTCCACTCCCTCCTCCCTCCCCTTGATCA CTCATTCCTCTCTTCCATTTCATTAAACCAACCCACTACAT GCCATGCCCTAAGGAAGCAGCTATCTAAGAAAGTCCCTG CCTGCAGGGGCTTTACAGACCAGGAGGAAGGCAACCC ATAGAGCCAGGATCCTGATAACCACTGCTGACTGCC
126	ADXCRA D_AL0394 47_x_at	KIF24	Sense	kinesin family member 24 [Source:HGNC Symbol;Acc:19916]	126	AAACCTGGAAGAACTTTTCACTTGAACCTCAACTTGACT GGNGTTCAGTCAACCANTCTCAGGGGAAGGGGGAAG CACTATCTCCACANCANCACTNANTCTGGCCTCCCCGC CCCATCTCCCCCAGCCCCCTCTCAGCAACTAGGCCAGGC TTCAGCT

FIG. 7-32

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127	ADXCRP D.8954.C1 _at	CDK11A /// CDC2L1	Sense	cyclin-dependent kinase 11A [Source:HGNC Symbol;Acc:1729]	127	GCAGGGCTGCCGGAGCGTCGAGGAGTTCCAGTGCCTG AACAGGATCGAGGAGGGCACCTATGGAGTGGTCTACAG AGCAAAAGACAAGAAACAGATGAAATTGTGGCTCTAA GCGGCTGAAGATGGAGAAGGAGAGAGGGGCTTCCCG ATCACGTCGCTGAGGGAGATCAACACCATCCTCAAGGC CCAGCATCCCAACATCGTCACCGTTAGAGAGATTGTGG TGGCACACATTATGGAGGGCGAGTCGCCCTACGCA
128	ADXCRSS .Hs#S301 0175_at	CDS2	Sense	CDP-diacylglycerol synthase (phosphatidate cytidyltransferase) 2 [Source:HGNC Symbol;Acc:1801]	128	AGGAGTCAGGAGAACAAAGTCAGGGATTAGGAGACAGC GGTTGGTTATTGTTATCCAG
129	ADXCRA D_AW297 731_at	PARP14	AntiSense	poly (ADP-ribose) polymerase family, member 14 [Source:HGNC Symbol;Acc:29232]	129	AATAATTCTCAATTTCTTAGTCTCTTAATTTCTTAAATTTAA AAAGGTTGTTCTTACCTTTTAAATTTTAAATAATTA TGTCAGTAATTTTGAATATAGTAACCTGATTCTACATT TCTCATGGGATAAATTCTAAGGTAAAAAATTGCAATA AATCTTAAACTTTATTAGTAGGTTTATTATTAGCAGCAG ATGTCTAGCCAGGGTAGATTACTTTTATCAGACCCAACTT CTCACCAACAACACTACTAGAAGAGCTA

FIG. 7-33

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130	ADXCRA D_AU1464 90_at	TAF15	Sense	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 68kDa [Source:HGNC Symbol;Acc:11547]	130	CTGGAAATCCAGTGTTTGTATGTAAAAATAAAGGTAA GTTAATTCTAGATTGAGGGGCAGAGGCTATTTCTTAATC TCCAATCTCCTTGGGAAGGGAAGTATTAGGAGGCAGT AATGGAGTAGAAA
131	ADXCRESS .Hs#S298 1341_at	N/A	No Genome match	N/A	131	GGTACACTGGGCACGCAATGCGCGTGTAGTAGCCAAA TAGTAAAAGGGCCGATTTTCAACAGCGACTCCAAGACA ACTGGCGTTGCCCATTTCTCAGTCTCCGGCCATCCTAC ACATCTAATACCCGGCTACAATATAAAGCTATAGTAAAG GTTACAGGGGCTTTTCGTCCCGTTGCGGGTAATCGGC ATCTTCACCGGATACATAATTTACCGAGCTCGCGGTTG AGACAGTGCCCGAGATCGTTACACCATTCGTGTATGGAC GGGCTCTG
132	ADXCRA G_NM_00 1988_at	EVPL	Sense	envoplakin [Source:HGNC Symbol;Acc:3503]	132	GGACAGCAGCCCACTCAGTTCTTCTCCACCTCCACCCA GTGATCCCAATAAACGAATTCTGTCTCCCCCGTG
133	ADXCRESS .Hs#S373 0315_x_at	MUC6	Sense	mucin 6, oligomeric mucus/gel-forming [Source:HGNC Symbol;Acc:7517]	133	ACAGATGGCCACATTCTGCCTCCATCCACTCAATGCCA ACAGGCACGATTCTCTCCACCGACAACGCTCAAGGCCAC AGGTCCACCCACACAGCGCCCAACAATGACGCTGACCA CCAGCGGGACCAAGCCCAAGCCCTGAGCTCATTAAACACA GCCAAAACCTCTACATCCCCTACATTACACACACTTCCTCC ACACACCATGCTGAGGCCACCTCAACTTCTACACCCAA CATCACCCCCAAACCCACCAGTACAGGAACCCCCACCAA TGACAGTGACCA

FIG. 7-34

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134	ADXCRA D_CN312 224_s_at	RPL32P3	Sense	ribosomal protein L32 pseudogene 3 [Source:HGNC Symbol;Acc:27024]	134	TAGTACCTGCCTCATTAGCTAACGTGAGGATCTAGAG CAGCATTTGCATAAATGACGCGTGGGGCAGAGCAGAG CTCAACACAGAGCAGCTTACGTTATGAGGCTTGGCAGG CTGGAGCTCCTGTCGGCCTCTCTCCTCAGCTCTGTGC CCACTGAGCTCGGCACAAAGGTTGGCCCATGACAGGT GTTTATTATGTGGAATAAATGAGAGGGGACAAGACATTT GCTGATTTC
135	ADXCRCR DRC.1404 5.C1_s_at	AL031666.1 (Clone-based (Ensembl)) /// ZMYND8	Sense	Known long non-coding RNA /// zinc finger, MYND-type containing 8 [Source:HGNC Symbol;Acc:9397]	135	GCCTCATCAGGGAATTGTAAGATTTAGGGGGAGGTGTG GGAAATCTTACTCTTTGCCCTAAAGTATTTCAGCGATCAG AATTCTGATACCCCTGC AAAACACCTCCACCTCCCTGC CTTTGAACCCCTGTGTTAACAAATGAGAAAGCTTGTTTATT GAAGCTGGGTTCTC
136	ADXCRIH. 2111.C1_a t	SNHG12	Sense	small nucleolar RNA, H/ACA box 44 [Source:HGNC Symbol;Acc:32637]	136	GGACAGATGAAGACTCTTAAGATGACAGAAAGGTGATTTT TCTGGTGATCGAGGACTTCCGGGGTAATGACAGTGATG AAATGCAGGGGACCTGTTGCCCCCAAGTTTCCTGGCA GTGTGTGATACTGAGGAGGTGAGCTTGTCTTCTGGAGCT GTGCTTTAAGATTTCATGTTACATGTAAAGCTGTCCTCAT TGTGACTATGGACCTATGGAGTTGGACAATCTCTATG GGAAGCAGAAAGGCAAGGACCCCGGTCATTTTAGGTAGA AACAAACAGCATGCTAATGCAAAA
137	ADXCRIH. 3648.C2_a t	NCAPD2	Sense	non-SMC condensin I complex, subunit D2 [Source:HGNC Symbol;Acc:24305]	137	AAGAGAGAAAGCTTCTGCACGCCAGAGGCCACCCAGTCC CACAGGCGCCTACCTGCCCCGGGATAAGAGGTTCCCTG CCATTTCTCTAGTCTCCCCCTTCAACAGCAGCACACCAAT AAGCCCAAGAAGATGACAGGAACCGTCCCGCCCAACTT CACACGAGTGCTAAGGCGAAGACAGGCCATCTTGGGCCT TCGGA

FIG. 7-35

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138	ADXCRA G_BC015 816_s_at	MAST2	Sense	microtubule associated serine/threonine kinase 2 [Source:HGNC Symbol;Acc:19035]	138	TGCTGATGCCTCAGGTACAGAAGGCAGGACGTTCCA TGCCGAGGCTGCCCCCTCACCCAGAAGTCTGAGCCCA GCCTCAGGAGGGCCCAAGAACCAGGGGCCATCAAAA GCATCGGGATTTGGCATTGGTTCCAGATGAGCTTTTAA GCAACATAGCAGTTGTTGCCATTTCTTGCACTCAGAC CTGTGTAATATA
139	ADXCRA D_BP2850 69_x_at	IFIT3	Sense	interferon-induced protein with tetraatricopeptide repeats 3 [Source:HGNC Symbol;Acc:5411]	139	GCCCCAACCTGGGATTGCTGAGCAGGGAAGCTTTTGCAT GTTGCTCTAAGGTACATTTTAAAGAGTTGTTTTTGGCC GGCGCAG
140	ADXCRA G_AF2740 48_s_at	UHRF1	Sense	ubiquitin-like with PHD and ring finger domains 1 [Source:HGNC Symbol;Acc:12556]	140	ACCAAAGTTTGCAGCCTATACCTCAATAAAACAGGGATA TTTTAAATCACATACCTGCAGACAAACTGGAGCAATGTT ATTTTAAAGGGTTTTTTCACCTCCTTATTCTTAGATTAT TAATGTATTAGGGAAGAATGAGACAATTTTGTGTAGGCT TTTTCTAAAGTCCAGTACTTTGTCCAGATTTTAGATTCTC A
141	ADXCRA D_CN291 160_at	SRGAP1	Sense	SLIT-ROBO Rho GTPase activating protein 1 [Source:HGNC Symbol;Acc:17382]	141	ATTGATTCTCGACCATAGCAGTGAGAGGCCATTTTTTGT GCAGGAAATGTGCTTAGGACTCAGTCTTGTTCGATTA TCCACCACAGAAACCTTGAGACACAGAGCAGCTTAGAA GTCTTACCCAGGCGTAATAGAGCTCCCTACTCCAGA CCACCTGCCACCCACCCTCCCAAGTTGAGAACAACAAGCT CCAGCTGGGCTGGAGAGTCAGGCTTGGTGCAGGGTGA CTTTGGCGAAGTTTTGTCCAGATCCATAAAGCAAACTGGA ATTGAGCTTTCACCTACCCTAGTATACG

FIG. 7-36

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142	ADXCRH. 1654.C3_s _at	CFTR	Sense	cystic fibrosis transmembrane conductance regulator (ATP-binding cassette sub-family C, member 7) [Source:HGNC Symbol;Acc:1884]	142	TTCTTTCCACAGAAGCTCCAGGTAGAGGGTGTGTAAGT AGATAGGCCATGGGCACTGTGGGTAGACACACATGAAG TCCAAGCATTTAGATGTATAGTTGATGGTGGTA
143	ADXCRP D.10513.C 1_s_at	NR3C2	Sense	nuclear receptor subfamily 3, group C, member 2 [Source:HGNC Symbol;Acc:7979]	143	TGAGTTGTTTGTTCACCAGTGATGCTATGTTATGCATTT GTTTACATCTCATTAACATGTGGTAAATATTTATGCAAGAT GGTAGCCAGACNNNNNNNNNNNNNNNNNNNNNNNNNN ANCCGTGAAATAGAGAATGCAGGGTGACCCATGTAAAC AGGCTAGAGATACATTTGAAAAAGATGAGGGTTAAAGA GTGTGTACATGTTGGCAGGTAAAGAGATAGCATCCTCTA GGGAGGATATTATCAGGAGTCAGAGTAATCTTGGTAAA
144	ADXCRH. 1055.C1_s _at	AC090937.2 (Clone_based_ vega_gene)	Sense	Novel processed transcript.	144	AATCATTGATTGACTTGCTGTGAACTTGAGGAACTGT TTCATAGTTTCATTACACAGAGTAAACTGTTTGCCATGC AAGGTATTTTGCATCTGCATTTAAGTG
145	ADXCRP D.3033.C1 _x_at	CTGF	Sense	connective tissue growth factor [Source:HGNC Symbol;Acc:2500]	145	GACATTAACATCATTAGACTGGAACCTTGAACGTATTCACA TCTCATTTTTCCGTAAAAATGATTTTCAGTAGCACAAGTTA TTTAAATCTGTTTTCTAACTGGGGGAAAAGATTCCAC CCAATTCAAACATTTGTCATGTCATGTCAAACAAATAGTCTA TCAACCCCGAGACACTGGTTTGAAGAAT

FIG. 7-37

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146	ADXCRA D_BI4946 81_at	C11orf35	Sense	collagen, type XXVII, alpha 1 [Source:HGNC Symbol;Acc:22986]	146	GTATGTGAAAGTCTCTATTTGTGTATTTCTCTCCTAAAGT TGTTCTCTTTGGGAATTGGATTGATTTTATTATTTAA TACCTACATTTGGCCCGTCCCCCTCCCAACACTTCTGT ATCTCGCCCTGCCGCCAGCCCTGGACGCTCTGCGT GGAAGTGC GTTTGTAGCAGCTCGGGCTCATCTCAG CGCTCGGATCCCTCCTGCTGCCAGAATCCACTGGCCTC TGCTCATTTCTGGG
147	ADXCRA G_NM_17 3542_s_at	PLBD2	Sense	phospholipase B domain containing 2 [Source:HGNC Symbol;Acc:27283]	147	TCCCTCAGGAAGCAGTCCCTCGTCTCCCTTTCTGGGC AGCTTCCTTGAGGACAGAAACTTGAAAAACAAACACAAAC CAAAGTTTCTGGCCATCTGTGGCTGGAGGTTCTGAAT GTCCTCTCTCCATGTGAGCAGAGGTGAGCCCCCATG CTTCTGCCTCAGGCCCCACCCACCCACCCAGGCC TGCCCTCACCTCAGGGCCATACCCACAGCGCCTGAT GGAGGAACCAAGACCGCAGGCTGTGCCACCAATTAACAA GAGCGGCTGTG
148	ADXCRA D_AW020 871_at	SVIL	Sense	supervillin [Source:HGNC Symbol;Acc:11480]	148	AAGGAGGCAGATGAGATTTTCATATCAAAAAGA
149	ADXCRA G_AL1174 66_s_at	LIMK2	Sense	LIM domain kinase 2 [Source:HGNC Symbol;Acc:6614]	149	TGACTTCTACCTCCCATGTTTGTCTCTCCCAACTCATTAG CTCCTGGGCAGCATCCTCCTGAGCCACATGTGCAGGTA CTGGAACCTCCATCTTGGCTCCAGAGCTCTAGGAA CTCTTCATCACAACTAGATTTGCCTCTTCTAAGTGTCTAT GAGCTTGCACCATATTTAA

FIG. 7-38

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150	ADXCRA D_CN309 527_s_at	HIST1H4J /// HIST1H4K	Sense	histone cluster 1, H4j [Source:HGNC Symbol;Acc:4785] /// histone cluster 1, H4k [Source:HGNC Symbol;Acc:4784]	150	CCACCGTAAAGTACTGCGCGACAATATCCAGGGCATC
151	ADXCRA D_W6818 0_at	EEF2K	AntiSense	eukaryotic elongation factor-2 kinase [Source:HGNC Symbol;Acc:24615]	151	GTGGAATAAGTTCTCTAGCTCAGAAGGATCTCAACCTC TTGCAAGTTACTTTTCACTTTTAAGGGCCCTTAAGAAG CATTGCTTAGCTCTGTATCCAGGCCATCTCTCCCTCCC CGAAGAGCAACAGACCAGCAACTGACATTAAAGGTCACA TGGTGGGTGGGAGTAGAATTGCGGGGTGACAGTT CCAGCCAATCCAGACACGAATCATGTTTGANGGACCCCG AGCCTCAAGGGTGATTCC
152	ADXCRA D_BI7535 34_at	KIAA0467	Sense	KIAA0467 [Source:HGNC Symbol;Acc:29040]	152	AGACATATGACAATGTTTCAGCAGGTTCATCTTTAATGCAG
153	ADXCRA G_NM_00 3376_at	VEGFA	Sense	vascular endothelial growth factor A [Source:HGNC Symbol;Acc:12680]	153	ACGAAAGCGCAAGAAATCCCGGTATAAGTCCTGGAGCG TTCCCTGTGGGCCCTT

FIG. 7-39

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154	ADXCRA D_BU5218 45_x_at	SMARCA4	Sense	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4 [Source:HGNC Symbol;Acc:11100]	154	CCTCGTGGATCATCAAGGACGACGCGGAGGTGGAGCG GCTGACCTGTGAGGAGGAGGAGAGAGATGTTCCGGC CGTGCTCCCGCCACCAGGAGGAGGTGGACTACAGCG ACTCACTGACGGAGAAGCAGTGGCTCAAGGCCATCGAG GAGGCACGCTGGAGGAGATCGAAGAGGAGGTCCGGC AGAAGAAATCATCACGGAAGCGCAAGCGA
155	ADXCRESS .Hs#S301 7684_x_at	RP11- 460N11.2 (Clone_based_ vega_gene)	AntiSense	Known pseudogene.	155	TAGGGTTTCTCTCCACTATGAATGATCTGATGTATAGTA AGGTTGGAAGACCACCTAAAAATTTGCCACAATCTTTG CATTGTAGGGTTTGTCTCCAGTATGAACATATGTTATGTT GAGTAAGGCCTGAGGAATAGTAAAAAGCTTTGCCACATT CTTCACATTTATAGGGTTTCTCTCAAGTATGAATCTTTT ATGTTCTTTCAGTTTGGAGGATTTCTAAAGGCTTTGCCA CATTCATCACATTTGTAGGGTTTCTCTCCCATATGAATAA
156	ADXCRA G_XM_29 0516_x_at	CDC42BPG	Sense	CDC42 binding protein kinase gamma (DMPK- like) [Source:HGNC Symbol;Acc:29829]	156	ACTGGAGGTCTCCGGGCACACTCTGGCCCTTCCCAGA AAGGGGTGTTTTCTCGAATCTTCAACCAGTTGTGTA TTGGAAACTAGGGCGCATTTTACTATTGATCACAGTCAT TATATTGTT
157	ADXCRA D.15527.C 1_at	SLC6A6	Sense	solute carrier family 6 (neurotransmitter transporter, taurine), member 6 [Source:HGNC Symbol;Acc:11052]	157	TTCGGAAATAGGGAAGACTGTCTCTGAAGAAGAGGAA GTGTAGCTTATGGGAGGCTGAGGAGTTTGAGGTTTCTC CTTGTGGAAAGGTGGAGCCATGGAGGCTGAAGACAG TTGTCCAACTCAGGGCATACAAATTGATGAGGAACTCA

FIG. 7-40

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158	ADXCRH. 895.C1_s_ at	LRR59	Sense	leucine rich repeat containing 59 [Source:HGNC Symbol;Acc:28817]	158	AGGACCTCAGAGATGAAGCATTTTAGCAGCCACACAAA ATCTCTGGCTATGAAAGGGACTTCATGACCATCCAGTCC AATATAACACTTGCAGACAGAGAAACTGAGGTCTTCCAT GACTTGCCTAGTCTCCAGCTAGTTTGAGGCAAAACTG GATCCCACTCTGGTATTCTTTCTTCTTCTTTACATCATTT TCCCTCCTTTAAATGTCTGAGAGACCAGAACTCACA
159	ADXCRA D_AA7091 48_s_at	CHD2	AntiSense	chromodomain helicase DNA binding protein 2 [Source:HGNC Symbol;Acc:1917]	159	ACTAAAGACATTAAAGCATTTGCACCTTAATTGGGTACTTC GGGAAAGAAAGTGTAGGTTGGCATTAAGGTACTTCTT ACACTGCATGTTCTGTAAGGACAGCAAAATACATCTATA TAGGTTCACTGTTAAATTCTCGAGGACTAATGGATCCGC ATGTGAAAAGTAA
160	ADXCRA D.15720.C 1_x_at	CHD1	Sense	chitinase domain containing 1 [Source:HGNC Symbol;Acc:28474]	160	TGAGCCCCGTGCCTGGCCTGGTCATTTTCTCTTGCTGTG CCCAACCTGCCATTATCCCATCCATCCTGAGCCCCGAC GTGGTCATTTCTCTCACCACCCAGCATACCGCCCCAACG TGGTCCTTT
161	ADXCRA D_AA8296 35_at	ZNF75A	AntiSense	zinc finger protein 75a [Source:HGNC Symbol;Acc:13146]	161	TAAGTACTTAAGTCCTGTCCTCTGGCCAAAGCCAGACTA GGCCCAACACCCCTCAATTACCCCTGGCTCCAAAGAGGG CAAAAGCAACTCTCTTTCTCTAAGGCCAGGGAAGTATCT ACCACAATCTCTGAAACCTGTGAACCTTTTCTGTGGCCT GTAGTTTCAAGTCCCACCTTAACCTGTCCTTAAAAA CCAAACAATGACCTACCTAATCCATCTAATTTCTCAACTA ACTGCCACCATCTCTACTATATCCACCTGCATCCTATTT
162	ADXCRA G_BC007 608_at	HMGB3	Sense	high-mobility group box 3 [Source:HGNC Symbol;Acc:5004]	162	TAGGCTTAGCTTGATTTTCTGGGCCCCACTGTCTGTGTTCT TAAGATGCCAACCT

FIG. 7-41

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163	ADXCRP DRC.1680 7.C1_s_at	LYPLA1	Sense	lysophospholipase I [Source:HGNC Symbol;Acc:6737]	163	TATGATGCACAGTTCGTGTCAACAGGAATGATGGATGT CAAGCAATTCATTGGTAAACTCCTACCTCCAATTGATTG ACGTCACTAAGAGGCCCTTGTGTAGAGTACACCAGCAT CATTGTAGTAGAGTGTAAACCCTTTTCCCATGCCCAAGTCT TCAAATTTCTAATG
164	ADXCRP D.5568.C1 _at	DDX27	Sense	DEAD (Asp-Glu-Ala- Asp) box polypeptide 27 [Source:HGNC Symbol;Acc:15837]	164	CAGCTGGCCCTGGCTGATGTCATGAGCCAACTCAAGA AGAAGAGGCGAGCCACTACATTAGATGAGAAGATTGAG AAAGTTCGAAAGAAAGGAAACACAGAGGATAAAGAACG CAAGTCTGGGAAGTTGAAAAGGTAGAAAGAACGCAAG GAAGGCTCTGAACCAAGGAGCAGGAAGACCTTCAAGA GAATGATGAGGAAGGCTCAGAAGATGAAGCCTCGGAGA CTGACTACTCATCAGCTGATGAGAATCATCCTC
165	ADXCRP D.16185.C 1_at	ITGA6	AntiSense	integrin, alpha 6 [Source:HGNC Symbol;Acc:6142]	165	AACCCACTCCAATTAGGCATTGCTCCCACCTCCTCCCAT CAGTGCTCTCACAAAGGTACCAAGTGGCTTCTACATTGC CAATCTAGCGATCAAAATCTCAGTAAGTGTCAATTTGATAT AACTGATCTTTCACTTCTCTTTTGAACCCCATCATGTG GTTTCCAGGACCAACACACTCCCTCCCTCTCCTCCTGCC ATGGGTGTCAGTCTCCAGGGCTCTCCCTAACCTCCCATG TGTAAGAA
166	ADXCRSS .Hs#S192 7899_at	ITGA6	AntiSense	integrin, alpha 6 [Source:HGNC Symbol;Acc:6142]	166	TGCCCCATTCTCCAAAAAGCACGTGCCCCAGCCCCCAATC CCCTCTATATCTCAGCTGAAGCATCACCTCCATTATGA AGCCTAGTCCCTTTCCCTGCCCTCGTGTGTTGCTTTGTTGCT GCTCACACCTTTAGACAAGACTTGCTGCCACTGACTCC CACCAGTCCCTGTTCCCTGGAAAGAAATCAAGGAAGCCC ACCTTGATCTCATTGAGCTCCTAATTTTACAGAAATAG GGACAAAGGTTCAAAGGAGGCCTCACAGGTGCGCATGGT GAACCAAGC

FIG. 7-42

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167	ADXCRA D_14605.C 1_s_at	NPIPL3	Sense	nuclear pore complex interacting protein-like 3 [Source:HGNC Symbol;Acc:28989]	167	AGCATCTGAAACTATATCCAGAATGACACTGGATTTTCA TAAAGTGTTGATCCTCACACCTCTTTATAGTCTTGCAC CTAGCACAGTGGAGTGAAACACTTTAAATAGCACTTGT CCTTGAGTATATATGGAAGAGTGAAGTATTGATAAGT GCTCAGCTAATATGAGCAGCATCTCAGGAGTCTCCAATT CTTGAATTACAGGGAGTA
168	ADXCRA D_CA4403 61_at	ROBO1	Sense	roundabout, axon guidance receptor, homolog 1 (Drosophila) [Source:HGNC Symbol;Acc:10249]	168	GGAGTTGGAGCCCACTCTGGGGAAACATGTTGAGATC TTGCCTCTGCAAAAATAAAGTAAAAATAAAATTTAAAAA GTAAAAAATAAAATCAGCTGAGCATGGTGACATGCACC TGTGGTACCAGCTACTTTGGAGGCTAAGTTGAGAGGCA CTGATGGGAGGATCATTTGACGGCCAGAGGTTGAGGC
169	ADXCRIH. 1552.C1_s _at	ATP2C2	Sense	ATPase, Ca++ transporting, type 2C, member 2 [Source:HGNC Symbol;Acc:29103]	169	GGCAGCTGGCGGTCAATTTACATCCCCCGCTGCAGAG GGTCTTCAGACGGAGAACCTGGAGCGCTTGATTTGC TGTTTTAACTGGATTGGCCTCATCCGCTTTCATTTGTC AGAGCTCCTCAAACATATGTGAAAAATACTGTTGCAGCCC CAAGAGAGTCCAGATGCACCCCTGAAGATGTGTAGTGGA CCGCACTCCGCGGCACCTTCCCTAATCATCTCGATCTG GTTGTGACTG
170	ADXCRA D_BM796 805_s_at	SLC39A7	Sense	solute carrier family 39 (zinc transporter), member 7 [Source:HGNC Symbol;Acc:4927]	170	ATAGTGTTGGGCACTGTCTGACCATGTTGCATTTGGAAG GCTAAATGGGGCCCATGAAGAAGGCTGGAAGGGACAGG TGGTATGGCAGCCTACCTGGTGTCCCTACCCACCT GTTCTCGGAGAACCAGTTGCTACACAGGAAGTTCTCC AAGGTCCAGTTTCTTCTCCACCAGTTGGTGGAGGC TTCAGGGAAGACCAGAGTCTGNACAGAGAGGGTAACA GGAGGAGTCGGGGATAAACATCAACATCAATCGTGTG TCCTGATTTGGGAGTGAT

FIG. 7-43

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171	ADXCRP D.11457.C 1_at	RNF43	Sense	ring finger protein 43 [Source:HGNC Symbol;Acc:18505]	171	GGCCCTCCGTGCTGGCAGAACAAAGAAATGAATGGAT GCATGGACAGATAGAGAGACTAATGCAGCTTGTGAGA CAGGGCTACAGCTTCACTGATGTAAGAACAACCTCCAC CCTCATGCCCCAGCCTTTTCTTGGGCGAGGGGCACAT GATAACCTTTCTCCACACTAAACC TTGCTCACTACCAG ACTAGTAGGCCTTAAACTCTGGGAGCAAGAATGGAAC CCTTCCTATCTCAACA
172	ADXCRP .Hs#S301 7684_at	RP11- 460N11.2 (Clone_based_ vega_gene)	AntiSense	Known pseudogene.	172	CTCCACTATGAATGATCTGATGTATAGTAAGTTCGAAG ACCACCTTAAAAATTTTGGCACAACTCTTGCATTTGTAGG GTTTGTCTCCAGTATGAAC TATGTTATGTTGAGTAAGGC CTGAGGAATAGTAAAAAGCTTTGCC
173	ADXCRP D.14252.C 1_s_at	LMTK2	AntiSense	lemur tyrosine kinase 2 [Source:HGNC Symbol;Acc:17880]	173	AACTAGTGGCTAGCATCGGCTTGACCTGCCTCATTCCC CTCGAATAACTGAAGATCCTGTACAACAATGGAGACTCT CGGAACATTTATCCACAGTGCAATTACAGAAAGCAGTTC GTGATTTCTCTAGAAATAATAAATATGGCTCACTGGTGA CCATTCCCCTCACGTGTCCTCTGTGGTCCCCACACGTG CGCCGGGATGTGCAGGCGTGGACGCGAGACGCCCCCT GTGGAAGCACACATGCGGTGCACAC
174	ADXCRP D.17881.C 1_s_at	C17orf88	AntiSense	chromosome 17 open reading frame 88 [Source:HGNC Symbol;Acc: 17505]	174	TGGAGGTGCCACAAAAATCATCTGGTAAATTGTTTAAAG TAATCCCAAATGCAACTCAAATCTACAGAATCCCAGGTG AAGCTCAGTAATCTGTATTTT

FIG. 7-44

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175	ADXCRA D_BM931 578_s_at	BCL9L	Sense	B-cell CLL/lymphoma 9- like [Source:HGNC Symbol;Acc:23688]	175	TGTCCTCGTGTCCGCATTGCTGGAGCTCCACCTCCC TCTTGTTTCTCCGACCCGCCCATTTCTTCTGTCTT TACCTGCTTCGTATCCTTTCCCTGCTGATGTGGCTGACC CCTCTCCACCCCTCCCTGCAGCGGCTGGCCAGGTG GGCAGGTGCCAGCCGGAGCTGTAATAGAGCGCTGCG CTTTGTGCTGTTGTGCGTGTGCTGATTCTGTG
176	ADXCRA D_BE2516 06_s_at	ERF	Sense	Ets2 repressor factor [Source:HGNC Symbol;Acc:3444]	176	CCATGGGCCACAAATCTCTACAAGTGCCTGCTATCCCT CTC
177	ADXCRESS .Hs#S191 3861_at	ACTN4	AntiSense	actinin, alpha 4 [Source:HGNC Symbol;Acc:166]	177	GTATCTGCTCAAGTAGAAGCTTCCGTCTCTCTGTAAACA GGTCAGTGCTTCAGTTACCACTGCCATTGAATTACCCAC TCGCTATCACCTTGCCCTCTTATTTCCATAAAAAAGAAAC GGAGGAAAAAAGTGTAAAGTTTACCTTGTTTAAAAAGTA ACACGAGTGCTTTTGTATTCTGTAACTAAATACATAAA TGAAGGCAAGGAAAGGAACTGAGGGAAGGGAACAAAA TGTGAGTGATGAAAAACACGGAGTTTCATTAAATGAA
178	ADXCRCR DRC.1045 0.C1_s_at	NCOR1	Sense	nuclear receptor corepressor 1 [Source:HGNC Symbol;Acc:7672]	178	GCAGGTCAAAAACCTGCCCTCCTGTGACTTATTCCTTG AGACTTTTCAGGAGAGCCAGCCACACAGATGATGAAGAA ATGATGGAAGTTTCATTTGGAGAGTCAAATGGNNNNNN NNNNNNNNNNCTGCCTTTGATACAGGCAATTCAGTG GACTATAATAATAGTGGAGGTTGAGATGATAGAGTTTTT

FIG. 7-45

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179	ADXC RP D.16001.C 1_x_at	KCNK1	AntiSense	potassium channel, subfamily K, member 1 [Source:HGNC Symbol;Acc:6272]	179	GTGCTATGGGAACCAGGTGCCAGGTGAGGCCAGGTGA AGACAGGTGAGGCCAGGTGAAGATAGGTGAGGCCAGG TGAAGACAGATGTTACGGGAACAGCAGGTAGAAAGCT AAGTGCTGTGGAGAAAGAGCGGGGAAGAAATGGAGGAG GTGTCTGGGACAACAGAACTTGAAAAGAACCTGCTTCT CAGTAGCCCCAAGTCCTGTGTGTG
180	ADXCRA D_BP3957 90_at	CMIP (Entrez)	Sense	C-Maf-inducing protein (c-Mip)/(Truncated c- Maf-inducing protein)/(Tc-Mip) [Source:UniProtKB/Swi ss-Prot;Acc:Q81Y22]	180	TGAAGAGCCTTCTGGGTACCTAGAGGTGCTGGGAAGGA GTTTGGATTTAATCTTGGCTGCTGTGACAGGGATTCTG GAGGCCATGGGGAGGGTTGAGCAGGGAGACAGGAGA CAGGCAAGAGGCGCTGTGAGAAGCGTGGGCTGAGTGA CCTGCTCCTTGGTGAGTGAGAAAGTCCTAGAACTGAGCA CCATGGCATGCACCTG
181	ADXC RP D.1872.C1 _at	AL008582.1 (Clone_based_ ensembl_gene)	Sense	Known long non-coding RNA	181	ATCCTTCCACAGTCTGCAAAACCAGTTCCTTCTGCAGTGT TTTCCTCTGGGAGTGTCTTGGGCTAAGCCACAGCGGTG TCACCCACACACACACTGCCCTGCAAAAGGACTGCC AATACCCCGAGCCCCATTCCCCAGCCTCACATATAATAA GGACTTGCAGCCCCAGAAATCACATCCAGAAGGGAAGTTT CACATGGCTTGGAAATCCTTTAAAAAGGACAGCAACCA AATNNNNNNNNNNNNCCCTCCCTACCCACACACATCC AGCCTGATCCCCGGGAATT

FIG. 7-46

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182	ADXCRP D.6804.C1 _s_at	SLC26A6	Sense	solute carrier family 26, member 6 [Source:HGNC Symbol;Acc:14472]	182	CGACAGCCCCTGTTTCGGTCACCAGACTCTGAACATGCT ACATCCTGCCCAAGACTGCACCTCTGAGGTGACGGC ACCTTGAGAAAGCCCTCACCCCTAGGCCGCTCCAGG TGCTACCCAGGAGTCCCTCCATGTACACACACACAAC TCAGGAAGGAGGTCTGGGACTCCAAGTTCAGCGCTC CAGGTCTGGGACAGGGCCTGCATGCAGTCAGGCTGGC AGTGGCGCGGTACAGGGAGGGAACCTGGTGCAATATTTA GCCTCAGGAATAAAGATTTGTCTGCTCAA
183	ADXCRSS .Hs#S191 7662_at	GCC2	Sense	GRIP and coiled-coil domain containing 2 [Source:HGNC Symbol;Acc:23218]	183	ATGAGTACTGAGACCTGACCACCTGCGTTAAGCAACATAG AGGTCAAGTGTCATGACATGCTGGAACAGAGCTTGATT GCAGTTGGTTCTAGAAAAAATGGGGAGGCAATGTTT GAGAGCATATATAGACAACTCTTTTCAAGGGATTGCTA TAGGGAGAAAAAAGCGATGGACAAAACTAGAGGGAC
184	ADXCRA D_BC0179 75_x_at	OSBP	Sense	oxysterol binding protein [Source:HGNC Symbol;Acc:8503]	184	GACCAGTTTAGGCAACATAGTGGAACCCCTGTGTACAA AAATAAAAAATTTAGCTGGGCATTTTGGCATATGCCTA TAGTCCCAGCTACTTGGAGGCTGAGGAGGGAGGATCA CTTGAGCCCCAGGAGGTCAAGTTTGCAGTGAACCTACGATT GCACCATTCGAT
185	ADXCRP D.13916.C 1_s_at	DLG3	Sense	discs, large homolog 3 (Drosophila) [Source:HGNC Symbol;Acc:2902]	185	GGGCACTCGCATTTGGTCATTCTCTTGAGAGCTAGGAG GGGTACGCTGAGCCCGGAGAGGAAGGCTTTTGCCT GGGGTGAGAGGGTGAGAGACTTGACCTGAAAGCAGCTC CTGCCCCCTGAGGTGCAANCCAGAGTCCTGTGTCCGGAC AGAGA

FIG. 7-47

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186	ADXCRIH. 2384.C1_s _at	PHF3	Sense	PHD finger protein 3 [Source:HGNC Symbol;Acc:8921]	186	AATTTTACTATTGGTCATTTGCAGAACAGTAAATTTCTGT GTGTTGGTACAGAGTGTCTGTACCAAGTGTCTCATCATC CCTTCTTCATACCAACGGTCCCTAGTTATAG
187	ADXCRA D_BX3960 33_s_at	DNAJC16	Sense	DnaJ (Hsp40) homolog, subfamily C, member 16 [Source:HGNC Symbol;Acc:29157]	187	TAGAGATGGGTTCTTCTGGTTGATACAGACTATGCATTG CGTCTAGCAGATGGGTAACCTGGCTAAACAAGTCT TTGCAGAATACATGCCAATTTCCAAAAA
188	ADXCRA D_BI8560 32_s_at	SMARCD1	Sense	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 1 [Source:HGNC Symbol;Acc:11106]	188	TCTCCCTGCCCTCAGAGATTGTGACTCCCCAGCCCCCTG CCCTCAAAGCTTCAGACCCCTCAGGTAGCAGCAGGACC TTGTGATCTTGGCCCCCTTGATCTGAGATGGTTTGCAT CTTCCAGGAGAGCCCTCACATTCTTCTCCAGGTTGTAT CACCCCGAGTTAGCATATCCCAGGCTCGCAGAC
189	ADXCRA D_BQ016 677_x_at	POLR3A	Sense	polymerase (RNA) III (DNA directed) polypeptide A, 155kDa [Source:HGNC Symbol;Acc:30074]	189	GGTAGCCATTGGTTCTTGGATCTGTGTTAGAATGAGTGC TTTCCCTTCCTACTGATGTGATTGTGGATTAGGAATTCG TGACCGAGTGATTTTGGCCAGTGGTTGGTTTAAATTT CTATTAAAATTTGTAGTTTGGGCTGGGTGCT
190	ADXCRA D_BC0405 27_at	CEP120	Sense	centrosomal protein 120kDa [Source:HGNC Symbol;Acc:26690]	190	GAAGGTTTGGACGATTATTTGACTCGCCTGATAGAAGAA AGGATACTTTGATGAGAACGGGTGTGTATAATCACGA GGATCGAATAATAAGTGAACCTCGACCCGACAGATCAGAG AGATTTTGGCAAAAAGCAATGCCAGTAATTAATAACATTT GGAAAAGCTTTATAGAGACTCTAAGTCTA

FIG. 7-48

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191	ADXCRA D_CF1468 55_x_at	VPS53	Sense	vacuolar protein sorting 53 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:25608]	191	TTGCCAGGCACGGGGCTCATGCCTGTAGTCGCAACAC TTTGGAGACCAAGCAGGAGGATCACTTGAGTCCAGG AGTTTGAGACCAGCCTGGGCAACATACAGATGTCTACA AAATAAAA
192	ADXCRA D.1793.C1 _at	FAM60A	AntiSense	family with sequence similarity 60, member A [Source:HGNC Symbol;Acc:30702]	192	TCATACAACAAATCCCATCTCTGTCCCCTGAAATTCCCC TAGTTTCATTATTAGAAAGGGGATTNNNNNNNNNNNG ACTTAAAGAGCACTTTACAGCAGCATTTCAGCTTTCCTAT GAAATACTCAGCATCTTAAATATTATATACAACCTCTTTT TTAGTAAGCTAGACACTGGCTTCAGAGTTCGTGGAGT GGGGAAATCAACCCATTCAAAACTACTCTAGAAATTGT CTTTGGCAGAAATAGCAGGTATCCAAGTTA
193	ADXCRA G_AL8320 08_at	FNIP1	Sense	folliculin interacting protein 1 [Source:HGNC Symbol;Acc:29418]	193	AGTTCTAGGGGATATTGTGCAATAAATACACATGTCAA CTTGAA
194	ADXCRA D.10387.C 1_at	RBM47	Sense	RNA binding motif protein 47 [Source:HGNC Symbol;Acc:30358]	194	AAAGCAGGTAGTTAGTTACCATTTGGAGAGGATTCCG GAACCTAGAGAGAGATGAGGCTGAAGAGCGCGGAAGA AACCAGATGGCAAGGACTTTGTCTCATGCGCAAAGCAT ATAATTTATAGA

FIG. 7-49

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195	ADXCRA D.10174.C 1_at	PEA15	Sense	phosphoprotein enriched in astrocytes 15 [Source:HGNC Symbol;Acc:8822]	195	AGAGGTAATATCCTTCCTATTCTTCCTTCACTTCTGCCCC TCCTCCACCTCTTCCAGCCTCCCTCACCTGACCTATT TAGGGGTGATGGATGAAAAGAAGAGAGTGAAGGATA TGTAATCAAGTGCAAAATACTGTGGTAAGTACAGAGAAT GAATAAGGTGGAAGGAAAGTGAAGAAGTGTGGGATGGT TAGGGCTTTAAGGACTTCCAGGAAATAGGATTCTGG
196	ADXCRA D_CF1267 72_s_at	TTYH3	Sense	twety homolog 3 (Drosophila) [Source:HGNC Symbol;Acc:22222]	196	GACCAGGGCCTCTCCTGTGGGATCTTTGTTTGTGTTTA ACCATAATGGTTGTGTACTGAACCACTTCATATTTGTTAT ATATAATATATATATATAATCTCCTTAAGACTCAGCCT CCTGGTTTACCCCCCGCCTGNGCATCTGACCTCCCC CACCCAGTGTGATTTAACATCCAGGAACTGAGGCCTG AA
197	ADXCRA D_CN272 025_at	PABPN1	Sense	poly(A) binding protein, nuclear 1 [Source:HGNC Symbol;Acc:8565]	197	TAAAGCTGTGGAGACTGAAAACCTGGATAAAAAGGGG GTCCCTTTCCCTTGCCCTGTCTCTCACTCAGATGCGCTT CTTTTCGCCACTGTTGGCAAAGTTTCTGTTAAGCCC CCCTCCCCCTGCCCAAGTTCTCCAGGTGCGTTACTATTT CTGGGATCATGGGTCAGTTTTAGGACACTTGAACACTT CTTTCCCCCTTCCCTTACAGTAACTGGGCAGGGG CCTACGGGGAGGGCTTGTAAGTGAACATCTAGTGATC ACGTTAACACCTAACTCTC
198	ADXCRIH RC.2093. C1_s_at	HSPD1	Sense	heat shock 60kDa protein 1 (chaperonin) [Source:HGNC Symbol;Acc:5261]	198	GGACTGCAGCTAAGTGTCCACTCCCCAAAGTCTTCCTAT TCCTAACTCCATGACAGCTCCTCAGTAGAGCTTTCCTCC TCAGAAGCAACTAGACAAATGCAGTTAACATTATTGGC CCCAACGGCGTTTACTGTGTATTTGGCTGAGATCTTTA GAAGCCCGAGGCCTAAACAATTAAGTGAAGAACATCTAA

FIG. 7-50

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199	RDCR243 _E10_s_at	GOSR1	Sense	golgi SNAP receptor complex member 1 [Source:HGNC Symbol;Acc:4430]	199	TTACTGAACACAGCCTGGTTTGTAGACTTCCTGTTTCT ACACTGCTGCTCTTCACCATTTGGAATTCACCTGTGGTATT TATATTACTGGCTTCAGTCCGAGCCACAGGTAATAAAAG GATATCATCTGTATTTCTCAACCATATCATGGTGTATAGA TGCTGTTATTACAGGCGAACTTGCTCATGGGTGGACTAA CACCTGGTTTGGTACAGA
200	ADXCRA D_AL8330 17_x_at	MACROD1	Sense	MACRO domain containing 1 [Source:HGNC Symbol;Acc:29598]	200	GAGCCATGATTGTGTTACTGCCTTCCAGCCTGGGCAAC AGAGTGAGACTCCATCTCAAAAAAAAAAAAAAGAAAGAA AGAAAAATCAGACTCTGAGGCTGCAGCGGTGGCTCACT CTTGTAATCCCAGCACCTTTGAGAGGCTGAGGCAGGAAG ATTGCTTGAGCCCGAGGAGTTTGAGAGCCAACTTGAGCAA CACAGTGGCACCCCTATCTCTACCTAAAAAA
201	ADXCRA G_XM_04 0265_s_at	LARP4B	Sense	La ribonucleoprotein domain family, member 4B [Source:HGNC Symbol;Acc:28987]	201	GGAGCCGCCACGGAAATTCGGAAGCCCCAGCTACGCAG AGATTTGTCAGAGAACGAGTAAAGAGCCTCCTTCTTCCC CATTGCAACCCCAAAAGAAACAAAAGCCAAACACTGTTG GTTGTGGGAAGGAGGAAAAGAAAGCTGGCAGAGCCCCGC AGAGAGATACCGGGAGCCCCCAGCCCTCAAGTCCACA CCTGGAGCCCCCAGAGACCCAGAGCGCGCCGGCGGGG GGCCGGCCCTCGCCCTCGGCCATGGGGAAGCGTCTCA GCCGAGAGCAGAGCAC

FIG. 7-51

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202	RDCR489 _A06_x_at	C17orf88 /// LRR37A /// LRR37A2	AntiSense	chromosome 17 open reading frame 88 [Source:HGNC Symbol; Acc:17505] /// leucine rich repeat containing 37A [Source:HGNC Symbol;Acc:29069] /// leucine rich repeat containing 37, member A2 [Source:HGNC Symbol;Acc:32404]	202	CGTGCTACCATCACAGCTGAATGCAATGAAAGCGGGTC CTCTGAGAGGAGCAGGGTGGAGATGCTAAAGTGGAGG CCCCGTCCCATTTGCTGATAGATCCTCATCTGGCATGCG CTCCACCCTCCCCATTCTCTGCTCCACAGTATCGTAGC CCCATCACAGAAGATGCGACATGGAAAAACGCACTGTG TCCACCCTA
203	ADXCRP D.15720.C 1_s_at	CHID1	Sense	chitinase domain containing 1 [Source:HGNC Symbol;Acc:28474]	203	GCTGTGCCCCAACCTGCCATTAATCCCATCCATCCTGAG CCCGACGTGGTC
204	ADXCRP D.252.C5_ s_at	WHSC1L1	Sense	Wolf-Hirschhorn syndrome candidate 1- like 1 [Source:HGNC Symbol;Acc:12767]	204	TTTGTAGCAACCAGCCCAGAGAGGGCGTGGTTTCATGAAA AACGGGTACGAGAGTATAAAGGTCATAAACAGTATGAA GAATTACTGGCTGAGGCAACCAACAAAGCCAGCAATCA CTCTGAGAAACAAGATTCTGGAAACCCCGACCTCAGA GAGAACGTGCTCAGTGGGATATTGGCATTGCCCATGCA GAGAAAGCATTGAAAATGACTCGAGAA
205	ADXCRP G_BC026 694_s_at	TMEM184A	Sense	transmembrane protein 184A [Source:HGNC Symbol;Acc:28797]	205	CCTCGTGGGCACGTGGAGAGGGGCCCCACGTGTCTCCA CACGCCAGCCACAGGGAGCCCTGGCCAGGCGCCCA GCCAGGGAGCGGTGTCCCTGGATGGGTACAGAACCC AGCGGGCACCTGTGAGGCTGGCCAGCACCGTGGGGCT GTGGGAATCGCTCTTATTATTTAAA

FIG. 7-52

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206	ADXCRP D.8832.C1 _at	GPT2	AntiSense	glutamic pyruvate transaminase (alanine aminotransferase) 2 [Source:HGNC Symbol;Acc:18062]	206	TTCCAAGTGCAGACCTCAAATGACAACCTTTCTCAGGTGGT GCCTGGATAGGAAGGACCCGGAACAGAAATCTGTAGAA AACCAACCTATCATGATCAGCATTCTACCCGACGTTA ACCTCCTAGACTAGCTGACCTTATTTATTTTGAAGCAA ATCAAGTGATACAGTCTCTTTTAAAAAACTGTGTAAAC GTTGTAAAGTTTTAGGGCTGTTTATAATCTGAAGATTT ATAAAAAATTACTGGACTTGTAGGACTAT
207	ADXCRP D.10116.C 1_s_at	OXR1	Sense	oxidative-stress responsive 1 [Source:HGNC Symbol;Acc:8508]	207	TGAGATGATCAGACACCGGAGTTCAACGTCCCAGCAGT CTTGGTAAAGGAGGAGCCCTACTAGCCAGGAGGA GAAAGAAGATTGACCAGCTTGCTAGAAAAATACTTAGC NNNNNNNNNNNNNNNGTGAGGGGGGACGGAGA GGAACAAGGATGGGAGGTAGGAATGAGGTATAGAAAA GAGATAGCATCTTCTTTGGCACAAAGACTAGTGGCT
208	ADXCRP D_BU1809 46_s_at	DOT1L	Sense	DOT1-like, histone H3 methyltransferase (S. cerevisiae) [Source:HGNC Symbol;Acc:24948]	208	CCCAGGATGCGTCAGTCTGTTTCAGTGGTCAGCAGGCC CCCACCCCCCGCGACTGCCCTCGCCATCGTGGTCAG ACCCCCCTCCCAACACACACGCTGCTGGTCTGTGTCA GCCTTTGTAACGTGGGAGGCTCTGCCGTGCTTCCGGG TGAACGTATTTGGATTGCGCGCAATTGTCACGGTCCG
209	ADXCRP D.11636.C 1_at	RUNX1	AntiSense	runt-related transcription factor 1 [Source:HGNC Symbol;Acc:10471]	209	ATAGGTAGCAAAGCTAAGGCCCCAGAAAGGTTAAGTAATT TTCCCAAAGTCACACAGCTTTGATATACAGCAAACTCA TATCCCTGAGCTTTCTACTCACTGTTCTTCCGGTTATTAT CCCTGAGGTCAATAATCTCCACCCGCCAAACCCCAATAGC ACCAGTACAAGAAATCTGGACTGGAGATACTTTATCCAC ACCTACCACTGCCCCCAAAAGTAAATCTGACTCTGTGA TTCTAATGTACCAATGGTAC

FIG. 7-53

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210	ADXCRA D_AL5562 40_s_at	NMD3	Sense	NMD3 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:24250]	210	ATTTTATTGCAGTAGGAGGAAATATATTTAAATATTG TAGATTTATAGCAAATAGAGACTCGTTATTTAAAGGTTAA ATAACAAATTTGTTCTTTTGTGTTTTGCCAGTTTAGGGC AGTAGCTGCTTTTGTCAATAATATCTTCTACCCACATC
211	ADXCRA D_BX1129 07_s_at	TICAM2 /// TMED7 /// TMED7- TICAM2	Sense	toll-like receptor adaptor molecule 2 [Source:HGNC Symbol;Acc:21354] /// transmembrane emp24 protein transport domain containing 7 [Source:HGNC Symbol;Acc:24253] /// TMED7-TICAM2 readthrough [Source:HGNC Symbol;Acc:33945]	211	CTTGAGTAAAGACATTTTGCTTAATTTCTTTTTCTTATT CCCACTTGATATCCCTACCACTACCGGATCTGCAC ACATCTTTTGCAGNTACCTCTTCATAGCCATGAACCAA AACGTTCTATGAGGAGC
212	ADXCRA D_BQ670 114_s_at	IGF2R	Sense	insulin-like growth factor 2 receptor [Source:HGNC Symbol;Acc:5467]	212	CCTTCCCTGATTGTTTACAGTCATTGGAATAAGGCATGGC TCAGATCGGCCACAGGGCGGTACCTTGTCGCCAGGGTT TTGCCCAAGTCCTCATTTAAAGCATAAGGCCGGACG CATCTCAAAACAGAGGGCTGCATTCGAAGAAACCCCTTG CTGCTTAGTCCCGATAGGGTATTTGACCCCGATATATT TTAGCATTTTAATTCTCTCCCCCTATTTATTGACTTTGAC AATTACTCAGGTTTGA

FIG. 7-54

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213	ADXCRA D_CN264 940_at	ID2	Sense	inhibitor of DNA binding 2, dominant negative helix-loop-helix protein [Source:HGNC Symbol;Acc:5361]	213	TCCTGTCTCTGCAGGTAAGACCTGCTCCGGGGTCCCCG CCCCGCCGCCGACACTCCCGGGTCTGCTGGGCTGT CACTAGGAGATCCGTAGCCAGACGGTGACTTTCGTAT GAGCTATTTAACTTTATTTCTTCAGAACTCTGCTGTAGAT TGAGCTGTGCGTGAAATTGCTAGTAAGTTCTGACATGTT AATGCGTCTGCTTTAAATCTGAATTGTTACCATAAACGT GTTTAATGGAACCTTGCTGGTCTGTGGA
214	ADXCRESS .Hs#S122 8858_x_at	AC004968.2 (Clone_based_ ensembl_gene)	Sense	Known long non-coding RNA	214	ACCTCATCCCCGAATAATAACTAAGCACTAGAGTGATGC TGGGATGCTGGGCTTGTTAGGTGGCTGGGAAG TTATCTTGAGGTGAGACTCCAGTGGACTCTGCGGATG GGTAAGGTCTCAGAGAGGTTGGGGAAGTTATCTTGGAG GTGAGACTCCAGTGGACTCTGCGGATTGGTAAGGTCTC AGAGAGGTTGAGGTTAAGAAGAGAGCATTCCAGACCAT TCCAAATCAGCACATAACACACATGGCTTGAAA
215	ADXCRRP D.6228.C1 _at	PTP4A1	AntiSense	protein tyrosine phosphatase type IVA, member 1 [Source:HGNC Symbol;Acc:9634]	215	GTTTCTACAGTTCACCTTGCTGTCATAGAGGTCGTGTGT GCCTGGCAGTAATCTCCACTGCCCTTCAGAAACTCCAT AAATGTGTGACCAAGAACAACACACAGAAATTGAGGAATATG TTTACTCATTGAAGATTGTGGCCTAATCATACAGCCGGT CCCGAG
216	ADXCRA D_AW963 267_s_at	NFIX	Sense	nuclear factor I/X (CCAAT-binding transcription factor) [Source:HGNC Symbol;Acc:7788]	216	ATGCAAGTAGGCAGCCAGCCCGTCTGTTCCCTCTCCGC CCCCCCCCCGCCCCCGCTCACTGCGCTTCTGTTAT ACCATCTTTGCCCTGACTCTCTACGGCTTCTCCATTGAAT GGCTAATGTGTATGTGAAAT

FIG. 7-55

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217	ADXCRA D.17288.C 1_at	BIRC6	Sense	baculoviral IAP repeat- containing 6 [Source:HGNC Symbol;Acc:13516]	217	TACACAAACTTTATTACAGGCACAAAATTATCAAAAATAC GGTATAAAATTACCTTAAGGCTATGTATATAAGGGATGT GTGTATGTGTGTATACACACAAAAATAAAATTTGTGTTTC CACTTGGATCCCTCCCTAAGATAACTCATTTGTGTACAT GCAAAATTAGAAAAATGCNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNCTATTTTATCACCAATTTTCATGCTG TATTAA
218	ADXCRA D.10737.C 1_s_at	ABR	Sense	active BCR-related gene [Source:HGNC Symbol;Acc:81]	218	AACTGCATGATGCACCTGCTCCGCTCCCTGCCCGACCC CAACCTCATCACCTTCCTCTTCCTGCTGGAACACTTGAA AAGGTTGCCGAGAAGGAGCCCCCATCAACAAAATGTCAC TTCACAACTGGCTACCGTGTGTTGGACCCACGTAACGT AGACCTCAGAAGTGGAGAGCAAAAGCACAACTCACCTC GGCTGCGGACATCTGGCCCCCATGACGTCATGGCGCGAG GTCCAGGTCTCCT
219	ADXCRA G_BC015 928_s_at	ARRDC3	Sense	arrestin domain containing 3 [Source:HGNC Symbol;Acc:29263]	219	GCTCATAACAAATATACCAGCATTCATGATAGCATTTCA GCATTTTCCAAGGTACCAAGTGACTTATTTTGTGTTGT TGTTGTTGTTGTTATTTTAGAAGGAATTCAGCTCTGATGTT TTTAAAGAAAACACAGCATCTCTGATGTTGCAACATACGT GTAATAATGGGTGTTACATCTATCTCTGCCATTTAACCCCA CAGTTAAT
220	ADXCRA G_AF1366 31_at	NRN1	Sense	neurtin 1 [Source:HGNC Symbol;Acc:17972]	220	TATCCAAACGGTATAGATCACAAAGGGGGGATGTTAAAT GTTAATCTAAAAATATAGCTAAAAAAAGATTTTGACATAAA AGAGCCTTGATTTTAA

FIG. 7-56

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221	ADXCRP D.8313.C1 _at	TSPAN1	Sense	tetraspanin 1 [Source:HGNC Symbol;Acc:20657]	221	GACAAAGCTCTAGGATGATGGCTGAGGGGTAGAGAAG GGCAAGGGAGACAGAGGTCTTGGAGATGACGCCCAT ATCTCTGGCATGAGCAACCCAGATGGCAGGGGTGGG GCCTGTTTGTGGGAAGGGTGTCCCACTAGCAGATGT GTACCCAGTGGAGTGCAGCTCAGATTGGAGCTGGCC ATGGGTATTTGAAAATCATGTGCCACAGGTAGCCACT GAAGCCATGGGAGTGAAAGAGAACACATTGGAAAGTGAA CTCTGGGAAA
222	ADXCRP D.8891.C1 _at	RNF213	Sense	ring finger protein 213 [Source:HGNC Symbol;Acc:14539]	222	TGGACCGTCCAAGAGGAGCTACATCAGAGGTTTTGGT AGATGCTGCTGTAGACCTCATATCCGATGAATGGGAAG CTGCTAATGCCATACCCAGCAGAGAGAAGAACGACGGA TGCAGCCCCGCTTGAGGCCGCCAGCGTGCCCTTCTGCA GACTGTGAGCAGAGCAA
223	ADXCRA D_BG709 217_s_at	FRYL	Sense	FRY-like [Source:HGNC Symbol;Acc:29127]	223	AGCTTTGCAGTTATAGGCTCTAACCTGGACATGTCAGAA GCCAACTACAAACTGATGGAACCTTAATCTGGAATAAGA GAGTCTCTACGCATGGTGCAATCATACCAACTTCTAGCA CAGGCCAAACCAAATGGAAATATGGTGAGCACTGGATT CTGAGACACTTCAGGCCCTTTTAGGAAAGAAACTAAACTG AAGATGATGAAGAATATTAACCAAGCACCTTTTAAATGGA CCCTTGCTTCACTGATAACTTTTCTGGCAGCATCTACTTT TTAGT

FIG. 7-57

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224	ADXCRP D.17672.C 1_at	BLCAP /// RP11-425M5.5 (Clone_based_ vega_gene)	AntiSense	bladder cancer associated protein [Source:HGNC Symbol;Acc:1055] /// Putative processed transcript.	224	AGGTCTAGGAGATGCCTGAGCCTCCACTGACCTCTGTG CATGTGCCCCACCAGTGCCCACTCTGTCCCTTTTGAAA CTGTCTCTGGCTTTCTAGGAACCCCATGTTTTTGGTCT TCTCCTCTGGCCCCCTCCTTCTCAGTCTCCTCAGCAGGA CTCTATTCTGTACCCATTCTCTAAATGTCACGAACTCG TTTCTGGCCTTGTCCTTCTTTGAGTGCACTCTCTGGTTCT TCATCTATCCCTGTTGAGATGCTCACCCCTTCTTTGGTGA GCTCCCAACCGGTACAGGTA
225	ADXCRP D.14904.C 1_at	RBM19	Sense	RNA binding motif protein 19 [Source:HGNC Symbol;Acc:29098]	225	AATTGTGCCTACCTCAGATAGACAGTGCCAGAAATTAAGT GAGTCAAGCCAAGTAAAGCCCCAGAGAAGA
226	ADXCRP D.12875.C 1_at	KANK1	AntiSense	KN motif and ankyrin repeat domains 1 [Source:HGNC Symbol;Acc:19309]	226	TCTTCACACAGACAAATTCGATCAGTCCCTCAGGCTTAA GTCACCTTCTCAAGAAATGCCGTACTTGCCCTAGGCTAGATT AGATCCTACTGTTACATGCTCCCTTTA
227	ADXCRH. 157.C4_s_ at	HMGB1	Sense	high-mobility group box 1 [Source:HGNC Symbol;Acc:4983]	227	TTTAGTAGGTACGTGATGACAACTACCATTTTTTTAAGAT GTTGAGAAATGGGAACAGTTTTTTTAGGGTTTATCTTGA CCACAGATCTTAAGAAAT
228	ADXCRH. 278.C1_s_ at	MRPL23	Sense	mitochondrial ribosomal protein L23 [Source:HGNC Symbol;Acc:10322]	228	GGCGGGTCCCCAGCTGGTTCGGGGTGTGACGGGGTG GCCAGCAGGGACGCGCCCCAGGTGGCAGCTGTGGCA GAGCAGCAGCCCGCGGGCGGCGCATCCCCAGCTG GTTCCGGCCGTGACGGGGCGGCCAGCAGGGACGCGC CCCAGGTGGCAGCTGTGGCAGAGCAGTCCCAGACACC TAAATAAAGTCTTGCTGCAGGA

FIG. 7-58

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229	ADXCRP D.14739.C 1_s_at	FANCD2	Sense	Fanconi anemia, complementation group D2 [Source:HGNC Symbol;Acc:3585]	229	AGATAAATTGTTGCCTGCTTCTGTGTCTCTGCCAGCCTG TGATCATATTGGGTTAGAGTTAGAAATCCGCTGTTTGCC TTTCTTACTGGTAGGATCCTT
230	ADXCRH. 481.CB1_ at	RP11-122C9.1 (Clone_based_ vega_gene)	AntiSense	Known pseudogene.	230	ATCCTGCCCATTCGAATTTTCAGTTCTGTACATCTGCCTA TATTCCTTGTGATAGTGCTTTTGCTTTTTCATAGATAAGCT TCCTCCTTGCCCTTTCGAAGCATCTTTTGGGCAAACTTCT TTCTCAGGGCGCTTGATCTTCAGCTCTGCG
231	ADXCRP D.5372.C1 _at	MGEA5	Sense	meningioma expressed antigen 5 (hyaluronidase) [Source:HGNC Symbol;Acc:7056]	231	AAACGAACTGTAAAAGACCATGCAAGAGGGCAAAATAAAA CTTGAAGTGAATGCTTAA
232	ADXCRP D.14347.C 1_x_at	TYRO3	Sense	TYRO3 protein tyrosine kinase [Source:HGNC Symbol;Acc:12446]	232	AGCACGCTACCAAAATCTCAAAAATATCCTAAGACTAACAC AAGGCAGCTGTGTCTGAGCCCCAACCCCTTCTAAACGGTG ACCTTTAGTGCCAACTTCCCTCTAACTGGACAGCCTCT TCTGTCCCACAGTCTCCACGAGAGAGAAATCAGGCCCTGAT GAGGGGAATTCTTGGAACTGGACCCAGCCCTTGGT GGGGAGCCCCCTCTGGAATGCATGGGGCGGGTCTAGC TGTTAGGGGACATTTCCAAGCTGTTAGTTGCTGTTTAAAA TA

FIG. 7-59

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233	ADXCRA D_BX5094 55_s_at	DECR1	Sense	2,4-dienoyl CoA reductase 1, mitochondrial [Source:HGNC Symbol;Acc:2753]	233	CATCATGTTTTTGTGGGCAAAATACAAAGTTGTTATAATTAA AACCCCTAATTTGAATATTTTTTTGTTACCAAGAACCAAGG CAAATGTTTAAATTTGTTATAAAACCCTGTTTGTGAAGTGCT GTGTTAAATTGTGCTGCTGGCTAATAGGCCTCATTTCAA TTTAATAAATATTTATTGAGGACTGGCTTTATGTCTGGCC CTGTGC
234	ADXCRA D.15787.C 1_s_at	SAPS2	Sense	SAPS domain family, member 2 [Source:HGNC Symbol;Acc:19253]	234	AGTATCTGATATGTGTGGAGGCAGCCATCTTTTCCCTG AAAGTCCTTTTAGGAATCATTATTTCTGGTCTCTGAAGT TTGCCGCTACCACTCATAAAATATCTATCCACACCCCTTA CAAGAAGAAATAGGAAGATCTTAAGACCTAGAAAGGAA
235	ADXCRA Hs#S298 4711_at	SH3GLB1	AntiSense	SH3-domain GRB2-like endophilin B1 [Source:HGNC Symbol;Acc:10833]	235	ACTTGACCTAGGCAGTGACCATTTCTCTCCACTTTTCACA CATGTTCACTTGACTTCCAGGCCATACTCTTAGTTTCCA TTTTACCTCACTGCCTCACTCGTTATCATCTTCTTGCCT CGTTCCCAACTCTCTATGCTAGAGTACTTCAGGGATCA GTCTTGATCCTCTCCTTTTCTCTATACTTACTCCTTTGA GGTTTATCTAGTCTCACAGATTTAAATATCTTTGATATG CTGACAACTCTCTAATTATCTAATTCACCCCTGCCC
236	ADXCRA D.9852.C1 _at	DNAJC10	AntiSense	DnaJ (Hsp40) homolog, subfamily C, member 10 [Source:HGNC Symbol;Acc:24637]	236	AAATTTCTCTTTGCTCTTTCTGTAGAAATAAAACTTAACA GTTGGATAGGCCCTGATCCCAGCTTTCTGGCATGTCTG AGCATAAGCCTGACAGTCTACTTTTCCAGCTTTCACCTT TCCTTTAATCATCTAGCCCAAGAGCTCAAAATCTTGAGC AAATTTCTGGCAAGGTCCACACCAAGGAGCATAGAAAT CAATCACCCAATGATTTTCCCTTGTAGAACCTTTTTCAC GAAAGTCTGAGGTGTTAGATCTGTGGATACTTGATCCC GGGAA

FIG. 7-60

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237	ADXCRP D.7174.C1_at	LRRC37B	AntiSense	leucine rich repeat containing 37B [Source:HGNC Symbol;Acc:29070]	237	GGCACACAATTTTGGAGACAATTAAAAATTTTATATCTAC ATAGTCTTCACCCCAACTCTTCCATTTCTAGATAATCTATG CTACAGGAATACTTGCCCACTAAGCNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNTGG GGTGACCCCTCTAAGTCTTAGGAAGGAAAGAAATTATGA AGTGAAAGAATATCATATAAGTGATACCATGAAGTGAAA GAA
238	ADXCRP D.2593.C1_x_at	MAVS	AntiSense	mitochondrial antiviral signaling protein [Source:HGNC Symbol;Acc:29233]	238	GGAGTAGCCAAGACTCCTGTTTCTCTGCATTTTTTCNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN TTGCCCAAGCATGCCTGGACCCCTCAACACTTAATAGTGAT AATAACATATATCCAACCCCTTGTTAAATGCCAGGACT
239	ADXCRP D.10843.C1_s_at	TSR2	Sense	TSR2, 20S rRNA accumulation, homolog (<i>S. cerevisiae</i>) [Source:HGNC Symbol;Acc:25455]	239	GGCCTTTAGTTAACATCCGAGTGACGAAAGCCGGGTCC CCAGTACAGCTGTCTTTGGGTGCGGTCAATTGTGAGGA AGGGGATGAGTGAGTGTGGGTGTGGCTGGAGGAGGAG CTAGATGCCGGTGGACAGTGGGCAGGTGGATTGGGG AGGAGAGGATCAGCAGCAGCAGAGTACTCAGTGATAG GGGGCTGGCTGGGTCAGGAATGGTGAGATGAACATGC AAGT

FIG. 7-61

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240	ADXCRA D_AL8322 50_s_at	SNRPN /// SNURF	Sense	small nuclear ribonucleoprotein polypeptide N [Source:HGNC Symbol;Acc:11164] /// SNRPN upstream reading frame [Source:HGNC Symbol;Acc:11171]	240	ACTTGAACCCCGAAGGCAGTGTTTGTGGTGAGCAGAAA TTGCTTCATTGCA
241	ADXCRA D_BQ187 449_s_at	SLC37A1	Sense	solute carrier family 37 (glycerol-3-phosphate transporter), member 1 [Source:HGNC Symbol;Acc:11024]	241	GGCCATGGCACTGCTGTTTCAGCTCAGGCACAGGGGC ACAGCAGAGGTTTGGGAAGCGGTCTCCCCACCGGCAC TGGGATTGGCGGTCCAAGCCAGCAACCGGCTTCGC TCCACAACACACACACACCTGGACTGTTTTTAATACA TAGCAACAGACTGGGTTATTTATTTAAGATGTGTATTGT GTCATATGAAGTTNAAGAGACATAAATGGCATTTTGTA TTTATTAAGACAAACTCCAATTGTTCTCTGGCTGTTTTT TCAGTTGTGTCTAGCAAAATACTTATCTGCCCT
242	ADXCRP D.12485.C 1_at	AC130352.2 (Clone_based_ ensembl_gene)	AntiSense	Novel miRNA.	242	AGACTGACTGCTAAACTGTATGAATGATGAGGGGATTG CACGTATAATCTTAACGTGTACATCAAATGTTAATTTTTTA TTTTATCCACTGTCTTTGAAAACCTAACTCTTGACTAAGA ACTGACTTTCCCTGTACTTGTGTTGACTCTAAGTAACTT CCAATTCACATAGTCCAAAGATGATGTCTGAGAAATC TCTCAAGGGAATAATGCTAAGAAATACAGGCAGAGTTATG CGGCAAAATTTGCAGAAATTAACACAATTGCACCTGTGAG TATGAAGCAC

FIG. 7-62

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243	ADXCRP D.15952.C 1_s_at	SPDYE2	AntiSense	speedy homolog E2 (Xenopus laevis) [Source:HGNC Symbol;Acc:33841]	243	ATGGACAGAACGGAGACTAGGTTCCGTAAGAGGGGACA GATTACGGGAAAGATCAGACCAGCCGTCACCCACC CCCAGAAATGAGCAGAGTCCCCAGCGGAGCACCT
244	ADXCRP D.3305.C1 _at	SMURF1	Sense	SMAD specific E3 ubiquitin protein ligase 1 [Source:HGNC Symbol;Acc:16807]	244	TTTGTACATATGCAATAAACTCAGGACTTTACATTT
245	ADXCRP D.5066.C1 _at	N/A	No Genome match	N/A	245	GGAAGTGGACGCAAAAGTGGATGCGGCAGCAGAAA
246	ADXCRA D_AL8331 74_x_at	C1orf21	Sense	Uncharacterized protein C1orf21 (Cell proliferation-inducing gene 13 protein) [Source:UniProtKB/Swi ss-Prot;Acc:Q9H246]	246	TGGCCATGCATGATGGCTTACACCCTGTAATCCAACACT TTGGAGTCTGAGGTGGAGGATTGCTTGGGTCCAGGA GTTTAAGACCAGCCTGGCCAACATGGTGAACCCCTGCC TCTACAAAAATACAAAAATTAGGCAGGCATGATGGTGT GCACCTGTGGTCCAGCTACTCAGGATGCTGAGGTGG GAGGATCATTGAGCCTGGGAGATGGAGTTGCAGTGA GCCGTGATCATGCCATTGCACCTCCAGCCTGGGTGACAG GGTAAGAAACTGTCTCAAAA
247	ADXCRP D.11335.C 1_at	RP11- 706O15.1 (Clone_based_ vega_gene)	AntiSense	HCG1981372, isoform CRA_cNovel protein ; [Source:UniProtKB/TrE MBL;Acc:B1B108]	247	TGGAGTGCATAGGTAGCAGTGCTTCTCCCCAAGGCTG GGCGGATGGAATCAGTTAGACTATTGAGGGCATCTGGA AGGGCATCTGTGTGTCAGGTTAGTCTCAGGGTATGGTG GCCAATGGGTTTCTTTTGGTTGACTGTTGACAAATGCGTT TGTTGAATGGCAGCCTGCACCTAGGTGACGCTGAAGCCA CAGAA

FIG. 7-63

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248	ADXCRA D_DN602 385_s_at	MAPK1IP1L	Sense	mitogen-activated protein kinase 1 interacting protein 1- like [Source:HGNC Symbol;Acc:19840]	248	TTCATTCCACAAAAACCTGAGGCAGCTCTTTTGCCC AGAGCGTTCCCTGTAGCCACCCACCCACCTTGCC CTTGTTCTTTAGAGGAGCACACATCCCTTGATTC CTCCCTGATGTGTAACCTGGCACACTCCAGGGTCT AAAACATAAAACAGTTGTGTTTAGGGAACCTTAAGTCA TGC
249	ADXCRA G_BC033 465_at	VDR	Sense	vitamin D (1,25- dihydroxyvitamin D3) receptor [Source:HGNC Symbol;Acc:12679]	249	ACAGAGGCTTCTTCAGATCAGTGCTTGAGTTTGGG
250	ADXCRA D.11659. C1_at	ARHGAP26	AntiSense	Rho GTPase activating protein 26 [Source:HGNC Symbol;Acc:17073]	250	ATTCTGCATGATTACGGACTAGGAGTCCCTGGTCAA AACTTCAAAAACCTAAGTGATGGGTCCCAAGTTACTCA GTGGCAGAAACCTTGATTCAGTAACATGTCAGCTTGTG GGCTTGAAAAGTCTTAAGTGCTCTCTACTTCTTCTATCC TTGTGCTTTCCCGGGACTTTACACAATCCCACCTCCC ACTGGACAATTGTCAAATCCCAGAGAGATATGGGAAGT CTGTTCACTCTGATCACCATAA
251	ADXCRA D_AA601 031_at	RP11- 761E20.1 (Clone_based _vega_gene)	Sense	Novel processed transcript.	251	GACGGTCCGCCGTGCCCAAGAGGAACGGGATGACAT TCAACTGGGACTTGCCCTCACCTTGGCTTGGGGACCT CGAGAGCGGTCCCGTGGGGGCAGTGTTACTCGTGGT GGTAGAAGTGGAGGCGGTGCCGGGTACTTGAGTTC ATGGGCATCTCTCCCGCCCTCTCAGCCTATCTGCA CCATGTCTACACGTTCAAGTTGCAGCTCTTACCGTTT GAAGCGCACGTGGGCAAGAAGTCTCTGGGCAGCACA AGAAAGTCAATCACGTTGAGACAGAG

FIG. 7-64

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252	ADXCRA G_BC015 773_s_at	PPP1R14C	Sense	protein phosphatase 1, regulatory (inhibitor) subunit 14C [Source:HGNC Symbol;Acc:14952]	252	GACTCTAGCCACAGCCTAACCAAGGATTATCAAAGGAG GTGGACACTCAAGGAAGGGCCACGCCAGGCTGCGTTT CCTGCAAGGACTCAGATGTTCAAGTACCTTATGATACAGG GAAGATAGTTTCTTACAAGTAGTTTGGTAATAATTTTTT TCTTAAGTTGTACATTGACTCAGCTGTCAAATTTCTCAC ACTTGATATATCTACACACAACCTAAGTTAAA
253	RDCR178 _E08_s_at	INSR	Sense	insulin receptor [Source:HGNC Symbol;Acc:6091]	253	GGGAACAGGGGAATGCCGATTTTATATACATGGTACACA GAGAGGGGTGTCACTTCACAAAATCTTCCAGCATGTTCT TCAGAAATATTAATTTATATGCGAGGTGAGGTGGGAATG AAAGAACAGGTCAGCACNNNNNNNNNNNCCTATAACAT ACAAAAGAACATGGTGGACTTTTCAGGGAGTGCAA
254	ADXCPR DRC.1444 4.C1_s_at	PRKDC	Sense	protein kinase, DNA- activated, catalytic polypeptide [Source:HGNC Symbol;Acc:9413]	254	GAGATTTTGTGGTCGGTGATTTCGAGAAATTCCTAAAT GGTCCATTAAAGCAAATAACACCACAGCAGCAGGAGAAG AGTCCAGTAAACACCAAATCGCTTTTCAAGCGACTTTAT AGCCTTGGCTTCACCCCAATGCTTTCAGAGGCTGGG AGCATCACTTGCCTTTAATAATAATCTACAGGAATTCAG GGAAGAAGAGTCTCTGGTGGAACAGTTTGTGTTGAAG CCTTGGTGATATACATGGAGAGTCTGGCCTTAGCACAT
255	ADXCPR D.1547.C1 _x_at	HCN3	Sense	hyperpolarization activated cyclic nucleotide-gated potassium channel 3 [Source:HGNC Symbol;Acc:19183]	255	TTCCCTTCTGAGTTTGCTGTTGGTGCAGGAATAAGGGAAA GGCCCAAGGTATCCAAGCCTGGGAAGGGCAGGCCAG CCAGCACCTCTGCCCTTCTCAGGACACAAGAGTAGTCCTT TACCACCCTCACTCTGCCCTGTCCCCTCTCCTACTCTACA GCATTAAAGACTGTGGACCCAGGACCCCTAAGTCTCCTT TCCTTCTGGGTGGGAGTTCTGGGGTTCTTGGTGTGTG GGAGAAGTTTTATAATTGCTTCCCAAACAGCTGGGTTTAA ATATA

FIG. 7-65

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256	ADXCRSS .Hs#S297 8040_at	CAMK1D	Sense	calcium/calmodulin- dependent protein kinase ID [Source:HGNC Symbol;Acc:19341]	256	TTCTGGATGTATCTTCAGGAGCATTAGCATTCCTCGGTA GGTTGAAGATGGCCAGTAAGGAAACAGAAAGGTCAA AGGTGATGCCAAGATTTTGGCCAAAGCACCTGAAAGAT GGAGTTGCCCATGACTAAGATGGGGAAGCACGGGGTC AGCACCGATTTGGGGGAAGATCAGGATTTTCATTTCTTG GATGTGCTGAGTTTGAACATCTGAGTCATATCCAAGTG AAGAGTTTGAATAGGCCGTTGGATATATTTAGGATAAAA GCCTGGGCTA
257	ADXCRA D_CX8722 80_s_at	P4HB	Sense	prolyl 4-hydroxylase, beta polypeptide [Source:HGNC Symbol;Acc:8548]	257	ACCAGCGCATCCTCGAGTTCTTTGGCCTGAAGAAGGAA GAGTGCCCGGCGGTGCGCCTCATCACCTGGAGGAGG AGATGACCAAGTACAAGCCCGAATCGGAGGAGCTGACG GCAGAGAGGATCACAGAGTTCTGCCACCGCTTCCTGGA GGCAAAATCAAGCCCCACCTGA
258	RDCR489 _A06_at	C17orf88 /// LRR37A /// LRR37A2	AntiSense	chromosome 17 open reading frame 88 [Source:HGNC Symbol;Acc:17505]/// leucine rich repeat containing 37A [Source:HGNC Symbol;Acc:29069] /// leucine rich repeat containing 37, member A2 [Source:HGNC Symbol;Acc:32404]	258	CGTGCTACCATCACAGCTGAATGCAATGAAAGCGGTC CTCTGAGAGGAGCAGGGTGGAGATGCTAAAGTGGAGG CCCCGTCCCATTTGCTGATAGATCCTCATCTGGCA

FIG. 7-66

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259	ADXCRP D.15527.C 1_x_at	SLC6A6	Sense	solute carrier family 6 (neurotransmitter transporter, taurine), member 6 [Source:HGNC Symbol;Acc:11052]	259	TGATCTAGAGGTCCCCCTTCGAAATAGGAAGACTGT CTCTGAAGAGGAGGAAAGTGTAGCTTATGGAGGCTGA GGAGTTTGGAGTTTCTCCTTGTGGAAAGTGGGAGCCCA TGGAGGCTGAAGACAGTTGTCCAACCTCAGGGCATACAA ATTGATGAGGAACTC
260	ADXCRP DRC.2992 .C1_s_at	TAPBP	Sense	TAP binding protein (tapasin) [Source:HGNC Symbol;Acc:11566]	260	CTGCCCCTCGAGTGAGACTGGGACAAGATGCTCTGCTG GACTTGAGCTTTGCCCTACATGCCCCCACCCTCCGAGGC CGCCTCATCTCTGGCTCCGGGTCCCCCTCCCTTTGGGC TAGAGTGGCGACGCCACGACCTGGGTAAGGGACATCT GCTC
261	ADXCRP D_AB0331 02_s_at	FAM184B	Sense	family with sequence similarity 184, member B [Source:HGNC Symbol;Acc:29235]	261	GTGAGCCAAAGTTCGAACCTCCTGCATTCCAACCAGCCT
262	ADXCRP D_BM264 147_s_at	CDK12	Sense	cyclin-dependent kinase 12 [Source:HGNC Symbol;Acc:24224]	262	GATGGGATAATTTGGGAGGCTTCTCATTCTGGCTTCTAT TTCTATGTGAGTACCAGCATATAGAGTGTTTTAAAAACA GATACATGTCATATAATTTATCTGCACAGACT
263	ADXCRP G_AK1603 79_at	SP100	Sense	SP100 nuclear antigen [Source:HGNC Symbol;Acc:11206]	263	ACCAAAATACCACAGGTTCTCAGTTGTGAGTGGGAGCTA AATGATGAGAACTCATGAACACAAATGAAGGGAACAGAC ACTAGGGTCTACTTGAGGGTGAAGATGGGAAGAGGGA GAGGAGCAGAAAAAGTACCTATTGGTGATGAAGTACTC TGTAACAACAACCCCGTGACAAGAGTTTCCCTATATAAC

FIG. 7-67

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264	ADXCRH. 3937.C1_a t	SH3D19	AntiSense	SH3 domain containing 19 [Source:HGNC Symbol;Acc:30418]	264	AACAGCTGCTTTTGGTATCAATACCCCTGTTGGTTATTAG TTTAAATTTTAGTCAATGATGCTTTTTTGGTGGGTGTGA AGGGGAAGAAAATCTTGAGCATGTAATGACTTAAATTG TTTCCAAATCAAAATTAATTTCTGGCCAGTATAAGACC TACACACTCACATTTCACAAGTGAGGGCATGGATGGGG GTAGGGCAGGCAGGAAAGGAGAAAAGAGGACAATC AGCACCCCTGAGGGCTGAACATAGGGGGCATCCAAA ACGTGCTTGCTGTGGGAAGAA
265	ADXCRP DRC.1366 3.C1_s_at	DYNC1H1	Sense	dynein, cytoplasmic 1, heavy chain 1 [Source:HGNC Symbol;Acc:2961]	265	CATTTTGGATGACGACACGATCATAACCACTCTGGAGAA CCTGAAGAGAGAGGCTGCAGAGGTCACCAGGAAAGTT GAGGAGACGGACATTGTCATGCAGGAGGTGGAGACCG TGTCGCCAGCAGTACCTCCCGCTCTCCACCCGCTGCAGC AGCATCTACTTCACCATGGAGTCCCTCAAGCAGATACA CTTCTTGTAACAGTACTCCCTCCAGTTTTCTCTGGACAT TTATCACAAACGTCCTATACGAGAACCCGAACCTGA
266	ADXCRP D.15326.C 1_s_at	ZNF69	Sense	zinc finger protein 69 [Source:HGNC Symbol;Acc:13138]	266	ATGACATACAGTGCAATGGCTCACAAATCCAGGAGATGA GGCAGCACAGCTGCAGAGCAACACAGAGTGGGGAGA ACATCCAGGATGCACATTCAACCAAGCAGGTGGGGAGCA AGACAGACAGGGACCTGTGGGCCAAAGCGTT
267	ADXCRP G_BC007 608_x_at	HMGB3	Sense	high-mobility group box 3 [Source:HGNC Symbol;Acc:5004]	267	TAGGCTTAGCTTGATTTCTGGGCCCACTGTCTGTGTTCT TAAGATGCCAACCTGTTGCTTTTTTTTTTTTTTTTCCCCC ATTTAAAGGATAGTACCTACTCCCTCTAACCACCTCAC CCCATTCTTGAATGACATTTTATCCTTCGGAAGAACA GGCTGTGATGTAGTACTATTGTCTGTCTCCTCTGTG TGCTGTCTCTGTGCACAAATGTAATTTGGGGACGTTGGAT GCATTCAATTTCT

FIG. 7-68

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268	ADXCRA D_CR747 486_s_at	PPPDE2	Sense	PPPDE peptidase domain containing 2 [Source:HGNC Symbol;Acc:24577]	268	GCCCCACTGTCACTAACTGTAAACTCAGGCTCAGGCTT CAACTGC
269	ADXCRA D_BE8322 79_s_at	PARP6	Sense	poly (ADP-ribose) polymerase family, member 6 [Source:HGNC Symbol;Acc:26921]	269	AAGATTCTTCTTTGTATATGAGGATGGTCAGGTGGGCGA TGCCAAACATTAACTACTCAGGACCCCAAGATACAGAAGG AAATCATGCGTGTGATCGGAACCTCAGGTTTACACAACT GAGGGGCCCCCAGCCCTCGTACCACCCCTGTTACCCC AGGATCCATCTGCCCTCATATAAAGTGTTCAGGTACAGCA GCTGAGGCTGCCCTGAGGAATCAAGGGGCCATTACCAA GGGCAGGAAAAGGATATGTAAGAGGTGGCCTTCA
270	ADXCRA D_CV5731 77_s_at	AC138866.2 (Clone_based_ ensembl_gene) /// AC146949.1 (Clone_based_ ensembl_gene) /// AC146944.2 (Clone_based_ ensembl_gene)	Sense	Novel long non-coding RNA /// Known non- coding long RNA /// Novel long non-coding RNA	270	TTGCAGCGAGTCAGGATCGCAGCACTACACTCC

FIG. 7-69

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271	ADXCRA D_BX0983 87_at	EFR3A	Sense	EFR3 homolog A (S. cerevisiae) [Source:HGNC Symbol;Acc:28970]	271	TTCACAGGAAGTAGGTAACACCCGAAATTTAGTCAGTGT CATTATTAGAGTTGTGCTTTCATATAAAGAATCTCTCAAG TGTGACAAGGCTAAATTAGAAAGAAGAGACTGGAGGTA GAGGCCAGTTAGGAGATCCTTTGTAATAATCCACAGTTGA TGGAAATGAGGATCTATAGTAGCCAGGCTGGAGGTAACA AAGAGGGACAGGAGGCGAGGAGTACTCTACTTTAAAGT AG
272	ADXCRA D_XM_37 4484_at	PCLO	Sense	piccolo (presynaptic cytomatrix protein) [Source:HGNC Symbol;Acc:13406]	272	AGTTGTTAAGTGTATCAGATGTGTTGGGCATGTGAATCT CCAAGTGCCCTGTGTAATAATA
273	ADXCRA D_AW957 273_s_at	APOL1	Sense	apolipoprotein L, 1 [Source:HGNC Symbol;Acc:618]	273	GTGGTTGTCATGTGATGGGTCCCCTCCAGGTTACTAAA GGGTGCATGTCCCCTGCTTGAACACTGAAGGCGCAGGTG GTGGGCCATGGCCATGTGCCCCAGCTGAGGAGCAGGT GTCCCTGAGAACCCTTCCCAGAGAGTATGTGAGA ACCAAC
274	ADXCRP D.15551.C 1_at	EPHB4	AntiSense	EPH receptor B4 [Source:HGNC Symbol;Acc:3395]	274	GGAGACATCGATCTCTTTTGCAAAATTCCTCACAGCCCTC ATTAGGGTCTTCATAAGTGAAGGGGTCGATGTAGACCTT AGTACCATGTCCGATGAGATACTGTCCGTGTTTGTCCGA ATATTCTGCTTCTCTCCCATTTGCTCTGCTTCTCTGAGGCA GAGAACTGCGACACACAATGACCACCAAGGAGGAGCC ACACCCACGACTGCCGTGCCCGCAATCAGGGCCAGCT GCTCCCGCCAGCCCTCGCTCTCATCCAGTTGGGTCCG GCTGTGATGTTCTCTGGCCGAAGGGCC

FIG. 7-70

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275	ADXCRPD _BX11171 _9_at	TAF15	Sense	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 68kDa [Source:HGNC Symbol;Acc:11547]	275	GGAGTTTGTGACTAGATGGGCAATATAGTAAGATGTCAT CTTTTAAAAATGAAAAAATTAGCTGGCCACTGTGGCACA CGCCTGTAGTCCAGCTACTTTGGGAAGCTGAGGTAGGA GGATTGCTTGAGCCAGGAGTTCAAGGCTGCAGTGAGC TATGATTGTGCTTATGAATAGCCACTGCACCTCCAGTCTG GGCAATAGTGAGTCGGTCAAATTCATTCCCCCTCCGC CCCATACCTCTTCAAATGTTT
276	ADXCRPD _14035.C1 _s_at	KCNE3	Sense	potassium voltage- gated channel, Isk- related family, member 3 [Source:HGNC Symbol;Acc:6243]	276	ACTGCATCAGGTCTCAGTGTCCCTATCTGTAAGATCAAC AAGAAACACGGTTAAGGGAGGTCGTCACTGGGTGGGA GAAGAGGGGCTGGTAGACCGAAGCCTTGTGCATAAGGA TTTTTCCCAGGAAAAGATAGACTTTTATAAACAGTGGA GCCCCATGAACAAACATATAAAAGTAGCAACAGATAATGA CC
277	ADXCRPD _8986.C1_ _at	HOXB8	AntiSense	homeobox B8 [Source:HGNC Symbol;Acc:5119]	277	TATTGTAACCTCTCCGCCCTTTTCAGGCGCAGACAACAG AACAAAGTATAGAGGAACAACAATAATATATATTAGCCC TCCCTCCCCCATAAAGCAATTACCGGATACAGAATAC ATTCTCTTACAGTAAACCTAAGAACACACTTGTAAACAATTG CCCACAGCGCGCATGCTAACTAAAGTAACCTCTTTTGA
278	ADXCRPD _10916.C1 _at	KLRAQ1	AntiSense	KLRAQ motif containing 1 [Source:HGNC Symbol;Acc:30595]	278	TACTGCTTGCATATCCTTTCCTCAGCTAACCGTCCCTCT GGGCCCTTCTGCTTCTGACCCCCCTCAGGACCTTAGGAC ATAATCACTCCCTGCTTCTATCTTTCAGTATCTCCTCATTA CAATAAAGCATTTGCTGCAGCTCATTTAACTCTTGTGTC CACAGTGAGTCTCTTCCATTACTTAATCACACTTAATTCT CTGTCCCTGACTCCTGTCCCCAGCCCTTTTCTTTTCACTTTG CCCGTCTGTGAGGCTCTCATGCTTCTCCATTGCGCAACT TCAGGAAGGTACGCGAGCTCCC

FIG. 7-71

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279	ADXCRA G_AY2067 18_s_at	PPARA	Sense	peroxisome proliferator- activated receptor alpha [Source:HGNC Symbol;Acc:9232]	279	GCCAGTCACCTGCGGATCGAGAGAGAGGGGTAGAGTC TTCCTCAATGGCAGTTTACTTCAATGGCAGATTTACAC AAGAGTTGGTATTATTTTACAATGGTTAGGTTGTTAAGT CTCCTTTGTATGTAAGGTAGTTTTTCAACATCTAAAATT TTTGTATAGCCTTCAAAACCAACTTACCAACCTCAGTC CAGCTGGGAAGGCAGCGTTGATTATGGTAGTTTGTCAA GAATATATGGACCTGGAACAC
280	ADXCRP D.9565.C1 _at	PKM2	Sense	pyruvate kinase, muscle [Source:HGNC Symbol;Acc:9021]	280	CACTGCTCAGGGTTGGAGGCTCAGTCCCTTTGCCCTGT CTGTTCCAGCTCTGGAGCTAACTCAGGGATCCCTGATC AGGGTTACATAGGTTTGGTAAATGAGTGTGGAATA ACTTCTCCAGTAGTCTTAGGTCATGCTCAGTGAACCTT AACTTTATCCAGATATGGTTTTCTTCAGCCTTTCTATT CCCTTTCTAGCCAGTGAAAGACCCGCTGC
281	ADXCRP D.12822.C 1_x_at	CDC42SE2	AntiSense	CDC42 small effector 2 [Source:HGNC Symbol;Acc:18547]	281	CGAGAGTATATCAGTTAAAGGTAAGAAATGTAGACCC CATATTTAATTCAGTAGCACCAAGTTCAAATCCAGTTATT CAGAAATTAACAAAGCAACTGTTGCTCAAAAAAATGCCAA TAACTCCCGAGCCAACTGAGAT
282	ADXCRP D.4113.C1 _s_at	FA2H	Sense	fatty acid 2-hydroxylase [Source:HGNC Symbol;Acc:21197]	282	ACCAAGGAGCTGGTCAGACGGCCCTTTCTAATCCCTACA TGTTGAGCTTATGTAAAAAATGTTGTTTCCCTCCTGTTTT GGTTCCTTTCTTACCCACAAACCATTACTACTTG
283	ADXCRA G_BC000 004_x_at	HSCB	Sense	HscB iron-sulfur cluster co-chaperone homolog (E. coli) [Source:HGNC Symbol;Acc:28913]	283	CAACAGAGTGAGACTTAATCTTGAAAAATAAATA

FIG. 7-72

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284	ADXCRP D.7428.C1 _at	EIF2S2	Sense	eukaryotic translation initiation factor 2, subunit 2 beta, 38kDa [Source:HGNC Symbol;Acc:3266]	284	AGTAGAGGGCCCTCAACCCACACACTGGCTGAAACTGC CACCAACTGCCACGATGAACCCAACTGCTGTTTATGCC CCCATTTTCCTTTTGTATCTACCCACACGATTCCC AATGTTGATATTTCTACATGAATAAGCAAGGATCAGT GCCTCTTATGT
285	ADXCRP D.240.C1_ s_at	TCEAL4	Sense	transcription elongation factor A (SII)-like 4 [Source:HGNC Symbol;Acc:26121]	285	AGGCCAAAACAGGAGATGAGGAAATGTTAAAGGATAAA GGAAAGCCAGAGAGTGAGGGAGAGGCCAAAGAGGAA AGNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNTGAAGGAGAGCCAGGGAGTGAAACAAGGG CTGCAGGAAAGCGCCAGCTGAGGATGATGTACCCAG GAAAGCCAAAAGAAAACATAAAGGGGCTGGCTCATT ACCTCAAGGAGTATAAGAGGCCATAC
286	ADXCRIH. 3436.C1_s _at	USP12	Sense	ubiquitin specific peptidase 12 [Source:HGNC Symbol;Acc:20485]	286	TGTGGGGTGACAGTTTTACATTTACTTTTCTTCTTAATG CAGCTGGATCTAAGTAAATGTTTTGAAGTTTATCAGAA ACTAAATGTACTTTTAAACGTATAGGTCAGGGTTGGG GGAAAATACAGGTATAGTAAGTAAGAAAAGTGACCCAT GAAGAAAGCATCGTGAGGTTGTATGTTGGTTGACTGTG ATTAAATGCGGGCTGGTGTAAGTTGTAAGTGGTGGC TGATTGCCGTGTACTATGTACATGATTGTTGGGATGGCT GTCC
287	ADXCRP D.10809.C 1_at	KANK1	AntiSense	KN motif and ankyrin repeat domains 1 [Source:HGNC Symbol;Acc:19309]	287	GAAAACCTATAACATGATGAGTAAGAGTTCTATGGTAGA GAGGTAGGAGAGGAAAGGTGAAAACTGCCACAAGCCAA ATGAGACTGCAGCAAAGTATGTAAAGGAGCCCTGTTCTCA GGTCCACCCACATCCAGCTATCACCCCTCTCTGACCGCC TTTTCCCATGAGCCTGAAAGGGTCACAGAC

FIG. 7-73

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288	ADXCRA D.8357.C1 _at	WSB1	AntiSense	WD repeat and SOCS box-containing 1 [Source:HGNC Symbol;Acc:19221]	288	GACGCACAACCTTCAACACTAATTGCCCTTTACTAAGCC GACCAGGGCTAGACACTAAGCCAGAAAAGCCTTTTCCA GAGTTTCTCTTCCGCACAAAAGCTTTCCCTTCTGTCACT CCACCAACCAACCCAGCTCCTCCCTTAAGTGTTTGAAA GATAATTCTAAAAGTCTCCTCCCCCGAACCGCTGCGTTT CTTAAGGCCACACCATTTTAAAAAATACTGTATTGCTTTTG CCAGGCTGTTGGGACCTCTTCCATCTCATTTCTATCTAA GAGTGGTTGGTACACACGAGGAC
289	ADXCRESS .Hs#S833 047_at	CD200	Sense	CD200 molecule [Source:HGNC Symbol;Acc:7203]	289	AAAGCAGATGGGTGTGTTTCAGACAAGATCTGGAAGCTG TGGCATGGCAGACAAAGGGAGATGGACCCCTTTTGGC ACTGGAGGAAGAGGCTTGAATCTTCTTGGAGCACTAAA AGTTCCAAAAGACCTAAGCAGAAAATGCTTCCGAAAGAG GAGGATCTGTATGGCAAGATGACTGTATCAGGCTCAT AAAAGTAAGACCTTACATAAATACAAAGTGAGGGGGAAG ACATTTTCATGTAGGAGGAATGGCTCAAGCAAAAATACCA AGCGGGGAAATTGCGTGGT
290	ADXCRA D_AW134 504_at	AL604028.2 (Clone_based_ ensembl_gene)	Sense	Known protein coding.	290	AGAAGTTTTGAGAAGCAGTTTGTGTTGGGTCAAGGGGTA CTTTCAAAATTACACTTATGAGTCAGTATCTATAAAAAGTT TCAGAAGTACCTACAAATTTAGCCCTCTACATCCAAGCAG TAGCTTTGCAG
291	ADXCRA D_BC0332 51_at	RHOQ	Sense	ras homolog gene family, member Q [Source:HGNC Symbol;Acc:17736]	291	CAGTGAGCTATAATAACAAGGCTTCATTGCACCTCAGCCT AGGCATTAGAGCGAGACCGGTGTTTATTTAA

FIG. 7-74

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292	ADXCRA D_CN297 218_at	CUL9	Sense	cullin 9 [Source:HGNC Symbol;Acc:15982]	292	GCAGATGCAGGAACACCTAGAGCAGCCCCAGAGTCA CGGGCTGAGGGGGGAGCTGCCCTGTCTATAGGG AGGGGATTCACAGCGTCTGTAGTCTTCTGTTTGTCT GAATAAGGTCTCTTTCTCACAC
293	ADXCRA D.9433.C1 _s_at	PAG1	Sense	phosphoprotein associated with glycosphingolipid microdomains 1 [Source:HGNC Symbol;Acc:30043]	293	CAGAAATGTTAGTGCCGTGCTCTAACCAAGTAAGCTTAG TGTTCCCCACAGTGATCTGTATCTGCCCTGAGTCTCCTC AAGCAGCAACCCCCACTGTCCAGCATGTGGAAGGTAGA TCCTTATGACAAACACAGACCCATAGTTACCAGGAAAGA A
294	ADXCRA D_BE0438 58_x_at	QPR1	AntiSense	quinolinate phosphoribosyltransfera se [Source:HGNC Symbol;Acc:9755]	294	GTGTTAAGGCGATTTACAGATGGGAAATAAGGTGCA GAGGCTAGAGAGATGGGCTCAAGGCTGTGTGCCAG TGACACTGGCTTCCCTGTGTGTTGCTCTTGTGAAC ATCAGCCACGCAGCAGCAGCAACAAAGATAAAGAACCA ATTCCAAACCGCGGTGTGGC
295	ADXCRA D_CN423 589_s_at	VPS26B	Sense	vacuolar protein sorting 26 homolog B (S. pombe) [Source:HGNC Symbol;Acc:28119]	295	GGCCGAGAAGATGCTGGGCACCCACCCAGACCCCCCA TCTACCAACACAGCGGCTGGGGCGGGCGGACCT TGTGAGGCTCAGTTGACCCGTTACTTGCAACCTGAAAA
296	ADXCRA D.17323.C 1_at	ANKS4B	Sense	ankyrin repeat and sterile alpha motif domain containing 4B [Source:HGNC Symbol;Acc:26795]	296	CAAGAACTCTGGCATTTCTCTTCAAGTTATCTTATATGTACA TATAANNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNGGAGATGAAGGTCTCAGTCTCTTACCCAC TGCACTCTAGCCCCAGCGGTAAGAGAGACTCCAT

FIG. 7-75

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297	ADXCRP D.8537.C1 _at	NCRNA00262	No Transcript match	non-protein coding RNA 262[Source:HGNC Symbol;Acc: 26785]	297	CCTCTACGCCAGAGAAGGAATGGAGAGGTCAGGCTG GCTAGAGAGTGGGTTGAGTCGTCCATGCCCTTGAATG CCAGGATGAGGGCTAAGAGAGTCAAATGGAATGGTGAC TTCATATGCAGAAGTTTTTACAAGAGAGAAGAACTCAGT TGGCCAAGAGAAAGTGGGTCGTCATGTGGTAATCAC GTAAACAGTGATCGTTCAGTCATGCGGAATGCTTTCAAG GTGTTGGACAC
298	ADXCRSS .Hs#S298 6790_at	RABGAP1	AntiSense	RAB GTPase activating protein 1 [Source:HGNC Symbol;Acc:17155]	298	CCTCTACGAGGTGTGCTATTCTCATCCTCATCTTATAGG CAAGTTAACTGAGGTATAAGGAGGTTGGTTATGTAACTT GACCAAAGTCACACAATAAGGGACTGGGAGATCTGGGA TTTGAGCCCTGGCAGATGGACTCCATCCAAAGTCCCTCA CTATCCTAGCACCTCTCTATCCCTCCCTTTCTCTCTC CTACCTTCTTCTGTGCTGCTTTCAAACAGACAGTTATCT CTACCCCTTAAACACACAGCTGTGCTGACTACTCTGCTTA GATGCCC
299	ADXCRIH. 2921.C1_s _at	CALM3	Sense	calmodulin 3 (phosphorylase kinase, delta) [Source:HGNC Symbol;Acc:1449]	299	CCTCTGGGACAAGTAAGTCAATGTGGCAGTTCAGTCG TCTGGGTTTTTCCCCCTTTCTGTTTCATTTTCATCTGGCTC NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNTGC TTCCCCCTCACTGCCCAGGTCGATCAAGTGG
300	ADXCRP D.15035.C 1_at	DLG5	Sense	discs, large homolog 5 (Drosophila) [Source:HGNC Symbol;Acc:2904]	300	TGGTCAAGAAAGGACTATGACGCCCTTCGGGAAGAGGTAC AGTG

FIG. 7-76

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301	ADXCRA D_15234.C 1_at	MACF1	AntiSense	microtubule-actin crosslinking factor 1 [Source:HGNC Symbol;Acc:13664]	301	AGAATAGCAACTGGCTCAGTCCTTTAGGTGTCTACACTA ATATCAAAGGAACAGGCCAGGCCCAAGGAGAGAGAGG GAATATGTTTCTGTGCTGATCCTTTCTCTAGATTTTATC TCAGTTGATGACATTGAAGCACCTGACTGAGCAATTGA GCATGATGTGTTCTCCTGACCATCCTTCTAAACCATTT TCCACCAGTTTCTACCTTCTGATGGCGCTTTAGTCACCT GCACCTACAAACAGGTGCCCAA
302	ADXCRA D_CN337 685_s_at	ZNF609	Sense	zinc finger protein 609 [Source:HGNC Symbol;Acc:29003]	302	GGCTCTGATGATGGACCCCTCAGTGATGGATGAAACAAG CAATGATGCCCTTTGATTCTTTAGAAAGGAAGTGATGGA AAAAGAAAAATGTAAAAAACCCCTCTAGTTTAAACCTGA AAAGATTCCCTTCCAAGAGCCTAAAGTCAGCCCCGTCCCA TTGCCCCCTGCCATCCCCCCACAGCAATCTACACCTTC CAGACAGCCACCTTCACAGCAGCGAGCCAGGCTCTTC CTCAGGCTTGACCGCCACAGTGGCACAAAGCCATGCCCA ACAGTC
303	ADXCRA D_AV7068 78_s_at	DDX17	Sense	DEAD (Asp-Glu-Ala- Asp) box polypeptide 17 [Source:HGNC Symbol;Acc:2740]	303	TTTTTCATGCAGATTAGTTAGAATTCAGTCCAGGTTTCTT CTGCCCCACCACAAAATGATCCAGTCTGGAATAACATTTTG

FIG. 7-77

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304	ADXCRA D_BQ325 790_s_at	MICA /// HCP5	Sense	MHC class I polypeptide-related sequence A [Source:HGNC Symbol;Acc:7090] /// HLA complex P5 (HCP5), mRNA [Source:RefSeq DNA;Acc:NM_006674]	304	GTAGGCTAGGGATCATGGGGGAATAGTTAGTAATGACA GGGATAGTTGAACCTTAAAAAAGTTTGTGAGGCTGAC AAAGATGAAACGGACACATTTCTGATCTTGGAGGGTTC ATAGGGTAGAAGATGGTAGAT
305	ADXCRIH. 1351.C1_s _at	SDC4	Sense	syndecan 4 [Source:HGNC Symbol;Acc:10661]	305	GATGGTGGGATATTTGTGCTGTGTTCTTATAATATATTA TTATTCCTTCCTGGTTCTAGAAAAATAGATAAATATATTT TTTCAGGAAATAGTGTGGTGTTCAGTTTGATGTTGCT GGGTGGTTGAGTGAGTGAATTTTCATGTGGCTGGGTGG GTT
306	ADXCRCR DRC.3995 .C1_s_at	IQSEC1	Sense	IQ motif and Sec7 domain 1 [Source:HGNC Symbol;Acc:29112]	306	GAAACAGCATGGGACCGTGTGATTGGGTCCAGGCTGG GCTGTCAGGGAAGCGCCCTGGTGTCTCCGACTCATCAA TTCTCGGGTCTTTTTTAAAGCCAGGCTCCCAAGCA CTCTTTGTCTCGCAATTTTGAGGAGGTTGTTCCGACCTG GAAGCGTTAAACTGCTGCATGTCATCTGGCGTCAGCTG TGAGGCTGCGCTCTGCGTGTGCGTTTGCAAAATGT ATTGGCGTGACTGTAAACACATCGTT

FIG. 7-78

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307	ADXCRP D.10961.C 1_at	RP11-86H7.1 (Clone_based_ vega_gene)	Sense	Novel processed transcript.	307	GTCAAGCTCAGTTGAGGGTTAATGATGAGGCAGGCTGA TGCGGGTCTTTGCCAGTCCCAGGGTTCCAAGAAGCC TTCTGGAGAGGGGCTTGAATGATGTTCAAGAT GAACAAGAAATGGCAAGATAGAGAAAGGTGGGAGGG CTTCCAGGCAGAGAGAGAGCATGGCTAAAGGGCTAG GGCATGAAGCAGCAGGGGACCCCCAGCCATGTAGTA TCACTGGAGGATGAGAAATAAGGGGGAGAGGGGAG GGAGAGAGGTATACTTCTGAGGGCA
308	ADXCRSS .Hs#S192 3995_at	N/A	No Transcript match	N/A	308	AGTTCAGGGCTATAGTGCCTATGTTGATCTGGTGTTC TGCTAAGTTCGCATCAATATGGTGACTTCTAGGGAGTG GGGACCACCAAGTTGCCCTAAGGAGGGGTGAACCTGC CTACGTTGGAAATAGAGCTGGTCAAACTCCTGTGCTCA TCAGTAGTAGAATAGCACCTGTGAATA
309	ADXCRSS .Hs#S374 4180_at	CHD2	Sense	chromodomain helicase DNA binding protein 2 [Source:HGNC Symbol;Acc:1917]	309	GACAGCTTGAAGGAAGGATTGACCATGGGTGATTCC ATGGAGGTAGAGAGCAAGAGAGACCTGATGATTACAA TGATGGCTAAGTGTAGTATGCCCCATTAGGATTGAATTGA ATTAGGGGAATTTGTGAAGTGTGTTGGAAGGAAGCAAT ATTGTGTGATTAGCTCCAAAGCTGCCACTGGTAGAAG TTGTTTCAATGGAAGAACCAAGGATGGAATTGAGTGGGC CAGAGAGCCCTAGATTAATGGGT
310	ADXCRP D.1981.C1 _s_at	MRPS10	Sense	mitochondrial ribosomal protein S10 [Source:HGNC Symbol;Acc:14502]	310	TATTCAGCGAAACTTACCTGAAGGGGTGCCATGGAAG TAACAAAGACACAATTAGAACAGTTACCAGAACACATCA AGGAGCCAATCTGGGAAACACATATCAGAAGAAAAAGA AGAAAGCTAGTCATAAAGCCTCAGGGAGGCCATTTTTC CCTAAA

FIG. 7-79

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311	ADXCRA D.10195.C 1_at	SLK	Sense	STE20-like kinase (yeast) [Source:HGNC Symbol;Acc:11088]	311	CAAATGCGAGATCTTCAGTTGCAGTGTGAAGCCAATGT CCCGAACTGCATCAGCTGCAGAAATGAAAAATGCCACT TGTTGGTTGAGCATGAGACTCAGAAACTGAAGGAGTTA GATGAGAAACATAGCCAAGAAATTAAGGAGTGGAGAGA GAAATTGAGACCTAGGAGAAAGGCACCTGGAAGAAGAGT TTGCCAGGAAACTACAGGAACAGGAAGTATTATATAAAA TGACTGGGGAGTCTGAAATGCCTTAACACATCAACCCCG GA
312	ADXCRA G_AF1321 97_x_at	CYFIP2	Sense	cytoplasmic FMR1 interacting protein 2 [Source:HGNC Symbol;Acc:13760]	312	TTTCAGAACTGTCAAATGTACCATATTTGTATTAAGAGT TGTTGGGAATTTTGTACAATGAATTTACATTTATTTATG GTGACATATTTACGCTTGATGATCAATAATGATGTTAAAT TCTTAAATCATATTTGCTATGCAGCTGAAGATGATATTTT GATTTGATTTTGGGGTACCTGTGTTGAGTTGATAAAC ATTTCCATCTTCATTAAAACTGCTTCCAAACTAAA
313	ADXCRA D_CR749 083_at	SSR1	Sense	signal sequence receptor, alpha [Source:HGNC Symbol;Acc:11323]	313	TAAAGCATGGATCTCGCTTTGGTTGTAAAAAA
314	ADXCRA G_BC051 650_s_at	TOM1L2	Sense	target of myb1-like 2 (chicken) [Source:HGNC Symbol;Acc:11984]	314	ATGGTGGGGGTCTCTCACCTTCTTGACCCCTCTCTCCATC ATTCAGCTGCCAGCCAGGCTTCACACCCCAAGCTGGCT CAGCAGCCGAGCCTGGCACCGAGGTCCTCGCAGGCT CCCTGGGCAGGAGAGGGCCCAAGGACAATTGGGAGGG CAGCAGGCAGCCCCGAGATGGTGGCCATGTGGCACGC TGCTGAGACGACACTACCAATAAACCAAACTGC

FIG. 7-80

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315	ADXCRA D_CN256 682_s_at	TRAPPC6A	Sense	trafficking protein particle complex 6A [Source:HGNC Symbol;Acc:23069]	315	CTGCCCGTCTGTAAAGTTCCAGGTGGTGATTCCGAAATC CTAAGCCTGCCTCGACCTGCTGAGCCGCACTGCTGCC CCTGGCCTCACCGGCTCAGGAGACGGTGGGGCCGCT GCATTTCCGGGTGGTCTTGGGAATCCAGGCCCTAGG GGTCACATTTGCTCAGGAAGTGGGTATCAAATTGAGGT GGGGGTGTCAGAGGAGGCAAGGGTCCCAGCTGCCG TCAGGACTGTGGT
316	ADXCRA D_BC0406 47_x_at	OAF	Sense	OAF homolog (Drosophila) [Source:HGNC Symbol;Acc:28752]	316	CCTGGGTGACGGAATAAGACTCGGTCTCCAAAAGAA
317	ADXCRA D_BX4213 36_s_at	PPIF	Sense	peptidylprolyl isomerase F [Source:HGNC Symbol;Acc:9259]	317	AAGGCTGCTAGGGATGTTAGACCTCGGCCAGGACCCAC CACATTGCTTCCTAATACCCACCCCTTCCTCACGACCTCA TTTTCTGGGCA
318	ADXCRA D_NM_14 5809_x_at	AC107983.1 (Clone_based_ vega_gene)	Sense	TL132 protein (LOC220594), non- coding RNA [Source:RefSeq DNA;Acc:NR_003554]	318	TACCTGTTTATCTGTAACGTGTTATCCAAACAAATTAAATA CTGTGGATGCCTTTAAAAA

FIG. 7-81

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319	ADXCRP D.11050.C 1_at	GALNT5	Sense	UDP-N-acetyl-alpha-D- galactosamine:polypept ide N- acetyl-galactosaminyltra nsferase 5 (GalNAc-T5) [Source:HGNC Symbol;Acc:4127]	319	GACAGTGGATAACTTTCAAAGAGGCATCTTTGTGTGGC CCATGAACCTTTGGTTGGAGAACAAATTCCTCCAGATGTCA CTGCAAAAAACAGAAATTAAGAAACTGATACAATAAGG TGCCCTGTGCTGCTGGTGGATTGTTTCTACTGACAAA AGTTACTTTTTTGAACCTTGAACATACGACCCCTGGCCTT GATGTTTGGGTGGGAAAATATGGAGCTCTCATTTCAA GGTGTGGATGTGTGGTGGTGAATTTGAGATCATTTCCCT GCTCCCGAGTGGGCCATATATTCAGAAAT
320	ADXCRP D.15212.C 1_s_at	CHD3	Sense	chromodomain helicase DNA binding protein 3 [Source:HGNC Symbol;Acc:1918]	320	ATGAGTATCTCAGCTCCTTCAAGGTGGCACAGTACGTC GTGCGGAAGAAAGACAAGATTGAGGAAATTGAGCGAGA GATCATCAAGCAGGAGGAGAAATGTGACCCCTGACTACT GGGAGAAAGCTGCTGAGGCATCCTATGAGCAACAGCAG GAAGACCTAGCCCCGAATCTAGGCAAGGCAAGCGGG TTCGCAAGCAAGTTAACTACAATGATGCTGCTCAGGAAG ACCAAGACAACCCAGTCAGAGTACTCGGTGGGT
321	ADXCRA G_AF1722 69_s_at	TNIK	Sense	TRAF2 and NCK interacting kinase [Source:HGNC Symbol;Acc:30765]	321	CTATGGCCGGATAACTAAGGATGTGGTGCTCCAATGGG GAGAAATGCCACGCTCTGTGGCCTACATTCAATCCAAATC AGATAATGGGCTGGGGCGAGAAAGCTATTGAGATCCGG TCAGTGAAACAGGAC
322	ADXCRP D.17448.C 1_at	CAPS	Sense	calcyphosine [Source:HGNC Symbol;Acc:1487]	322	CCACCATTCGGGGTCCCCCAGGAAGCCAGGTGACCCC AGGTGGGAGGCTGTGTGTGGAGGCCATCCTGGAAAGGA AGTTTAGACCTGCCACAGGTGTGAGCGAGGGGCACAG GGGCATCCTAACCTCAGAAACTGAAA

FIG. 7-82

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323	ADXCRP D.12030.C 1_at	POSTN	AntiSense	periostin, osteoblast specific factor [Source:HGNC Symbol;Acc:16953]	323	AGCAAAGTGATTCTCCATCTGGCCTCAGAGCAGATGC CAAGCCTAATTGGCCACAGATCCGTGAAGGTGGTTT GCTGTTTTCCAGCCAGCTCAATAACTTGTGTTGGCAGAAT CAGGAATTAGGACCTGATCAATCAATGATGATCACACCAT TAGTTGGTCACAATATCCTTTGTTGTTACCATTTTGATT CCATTTACTGTTATACTGTCACCGTCACATCCTATCTCA ATTGTATTTCTTCCAGCGTCTCAAGACTGCTACTCCCA TAATA
324	ADXCRA G_AF1769 12_at	CLCF1	Sense	cardiotrophin-like cytokine factor 1 [Source:HGNC Symbol;Acc:17412]	324	GCTTGCCCCAGAACTTAGTCTCTTTGCCCAGCCTCACCC CCTCCTGGTGCTCATCAGACTCTTGCCACCCCTGGCTC CCACTCCCTGCTTGCCTCTGGTGGAGCTGCACAGAGCT CTGGGAAGAGGCCCTCTTCTCCCGCAGCTGGGGCGA TGGCGCACCTCAGACTTACCCACTGCTGCTGCCACCA CCAACCCCTTGATCCCTCAGTCCCTCCCACACAGCTTCT GTCCACCCCGAGTTTCCCTCACCCACCTTTTGCTAAGT CTTCCT
325	ADXCRP DRC.1274 6.C1_at	FAT1	Sense	FAT tumor suppressor homolog 1 (Drosophila) [Source:HGNC Symbol;Acc:3595]	325	GCCCTGCTGCCAAGTGGAGTCCGAGGTCATGATGAGT GACTATGAGAGCGGGGACGACGGTCACCTCGAAGAGG TGACGATCCCGCCCTGGATTCCAGCAGCACACGGAA GTCTGACTCTCAACTCCCCCAAGTGCCCTGACTTTAGT GAACCTAGAGGTGATGTGCGTCATCCGCGCTGTTCTTT GCAGCAGTGCTTCCAAAGCTTTTGGGTGAGCCGAA

FIG. 7-83

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326	ADXCRA D_3213.C1 _at	ARHGEF2///R P11-336K24.6 (Clone_based_ vega_gene)	Sense	Rho/Rac guanine nucleotide exchange factor (GEF) 2 [Source:HGNC Symbol;Acc:682] /// Known nncoding transcript with no ORF.	326	AGAAGCAACACGATGATGGGCCCCCAGTTTGAATTC AGACAGTGGAGGAGGAATATTGCTAGGAG
327	ADXCRIH. 2217.C1_s _at	ADIPOR2	Sense	adiponectin receptor 2 [Source:HGNC Symbol;Acc:24041]	327	TACTCTCAGCAGTCAGAGGCTTGCTTGCTCTGTGCAGA TTTTTAATTTCTTTTTTGGCCCTAGGCTGGTTGGACCT CTACAGCTTCATTCTTTCACCATTAATAAGTGGCCTTTT CAGTATTTCCCTCTTCCCTTTTATAAATTATGCTAAAGC CACAAAGCACATTTTGGGATCATAGAAAGTTGGGT TCCAGAAAGGCATCTGTGTGATGTTCCATTGATGTGG GATTTCCCTACTTGCTGTATTCTCAGTTTCTAATAAAA
328	ADXCRA D_CN390 037_s_at	C15orf42	Sense	Treslin (TopBP1- interacting, replication- stimulating protein)(TopBP1- interacting checkpoint and replication regulator) [Source:UniProtKB/Swi ss-Prot;Acc:Q7Z2Z1]	328	AAGGACTGTCCAAGAGCCAGCCAGTTCAGGGCTCAGG CCTCACCCATTGCCACTCCTGGGGAGACCACATCACCTG GCTCATCGTTTCCACCAAGAGTGCCCCACAGGAGTGCC CCACAGACCCGCTGGACCAAGCCTGCTGCGGTCCTGG CCAGGGTCTGGCTAACGGTGAGGGCTGACTCTGAAC GTCTCTCAGTCTCCAGAAAGTGTCAAGCCTGTTGTGT CCCAAATCTGATTCTCCTATTGCTTGTAAATCAAACCTC TAAGTGAAAACCTTCCCAT

FIG. 7-84

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329	ADXCRSS .Hs#S192 3663_at	SOD2	AntiSense	superoxide dismutase 2, mitochondrial [Source:HGNC Symbol;Acc:11180]	329	GAAGTCTAACAGTTTCAACAATAGCCAGGGAAGTTA GAGTACCTAGAGACATCCTTAACACGTGCCCTGAGC TACTTTTCAGAAACCCAGACCCCCACCAATGGATTAC ACAGACGTAGATAAGGGGAACACACAGGACTAACT CTGACCTCCATTCTTTGCTCTCAGTTTCTTCCTGAGGGG CCTGGCCAGACCTTAATGTTCTTTCTGCGGACCCCAA
330	ADXCRP DRC.1111 8.C1_s_at	TNS1	Sense	tensin 1 [Source:HGNC Symbol;Acc:11973]	330	CACCTGCACCTAGTGACCCTGGGTGCCCGCAGACCCCT TCTCTTCTACAAAGACCCAGCAGGAGTGGGAGGGTCT GCAATGGCATCGCCCTGTCCTGCCTTGGCCAGAGCCT GGAGCTTTGGTTGAGGAGGTAGAGATATGTGTATCCAT AGGAAGAGATCTGTCAGAACAGGCAGCTGTTGAGCTCG GGGTGCTTCTCAAGGCATGTGGCTCAGCAGCAAGAA AGGCAAGTTGCTCCTGCTGGGGCCCTGGACTCTGCCTT AGCTCC
331	ADXCRH. 3717.C1_s _at	GABARAP	Sense	GABA(A) receptor- associated protein [Source:HGNC Symbol;Acc:4067]	331	TCTCTCCAGCCTCTCTTAGGAGGGTAATGGTGGAGTT GGCATCTTGTAACCTCTCCTTTCTCCTTTCTCCCTTTCT CTGCCCGCCTTTCCCATCCTGCTGTAGACTTCTTGATTG TCAGTCTGTGTACAT

FIG. 7-85

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332	ADXCRA D.9610.C1 _x_at	GMS	Sense	GDP-mannose 4,6- dehydratase [Source:HGNC Symbol; Acc:4369]	332	ATCCACGGCCGCTTAGAAAGAGGGTGCACGCTGCC GCCGAGGTAGAGGGTCCCGAGTCCTGGGGCTCGC ACCCACAGCCCGAGTCCCTTCCCGCGGAAGGACT CGTGCTGTGGTAGAGACGCGCTTGGCGGGCCA GCCCTGCAGGCAGGAGCTGAGCGGCGCAGGGACACG GGCAGCTGGAGGGGCGCTGGTGATTACTCACTTCC CTCTAGCCAGAGAGTGCAGCAATCCAAACAGTTCT CATAGGAGCGTCCCTGACAACTTCATGTTATA
333	ADXCRA D.11405.C 1_x_at	NAA50	AntiSense	N(alpha)- acetyltransferase 50, NatE catalytic subunit [Source:HGNC Symbol; Acc:29533]	333	GTACCACAAACACACTCAACTTGTCTATGAATTAGAGAA CAAGATACTGCTGCTCTCTTTTGTACTTTTGAATATA CAATGTTTGTAGGCTCTGCCCTTCAATGTGAAAGCAGG ACATTAAATTTGAAATTTATTTGACAAATTAATGTTTAGGA CCATCTAACTTCAACTGCAAAACTAAACAGATCTACCTT GTCCTTCCTTCAAA
334	ADXCRA G_AF1388 61_s_at	AL138478.1 (Clone_based_ ensembl_gene)	Sense	Known long non-coding RNA.	334	GGTTCATTTTAGTTTCAGATAGATGGCTTCAACCAAGAA CTCTTGAAAGAATACTGATTAGGGAGGGCAGGGAAGT AGGAGCTTATGGTATATTATAAGGCTGGGAAAAATCTAT GATGCAAAACCCTTCCACATAGTACT
335	ADXCRA D_R42604 _at	SNTB2	AntiSense	syntrophin, beta 2 (dystrophin-associated protein A1, 59kDa, basic component 2) [Source:HGNC Symbol; Acc:11169]	335	ACTCATTCTTAACCTAATCACCTAAAATAATTCTTATCAT CTATTCTTCTTCAGGNAAAAATGGNGCCCTGGGTGTAT TTTAACGACTTGCCATCCTTCCCTGTTTGTAGAGTNTCTTT GTTAACTGGGGGCATACCTTCGNGACCCCGGCTCCTACCT TCCTCATTCAGACCTGTGCTGTTTCATTGCTGTATTCCCA GTCCCTTAAAAA

FIG. 7-86

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336	ADXCRS .Hs#S273 2484_at	MEF2A	Sense	myocyte enhancer factor 2A [Source:HGNC Symbol;Acc:6993]	336	ATATCTGACAGATGTGTAAACCAAGTTACCAGCATGGTG TGGAATCGTAGTTCCTCAAGTCATATAATACCAGACATTCA AGAAACTAGTGCCCTGTTAACTGGGGGAAGCAAAATTTA TATCCTTTTGGAAAGAAAGTCACCTTATTCTGTGTATCAG AAATCTCTTTCAAAATAACCTTTTCAGAACTATAGAGCATCA TACAAAGATGACCAAGCATACAAGAAAAACAA
337	ADXCRP D.2240.C1 _s_at	RSRC1	Sense	arginine/serine-rich coiled-coil 1 [Source:HGNC Symbol;Acc:24152]	337	AACATCAAAGCTGGATTAGAACATCTGCCACCAGCTGA ACAGGCCAAAGGCAGACTACAGCTGGTTCTTTGAAGCTG CTGCAAAAGCTGATGAAGCATTGAA
338	ADXCRP D.8064.C1 _s_at	CYP3A5	Sense	cytochrome P450, family 3, subfamily A, polypeptide 5 [Source:HGNC Symbol;Acc:2638]	338	AGCCTTAGCAAAAATGCCTCCTCACCACCTCCCAGGAG AATTTTATAAAAAGCATAATCACTGATTCTTCACTGAC ATAATGTAGGAAGCCCTCTGAGGAGAAAAACAAAGGGAG AAACATAGAGAACGGTTGCTACTGGCAGAAAGCATAAGA TCTTTGTACAAATATTGCTGGCCCTGGTTCACCTGTTTAC TGTTATCACATAATGCTA
339	ADXCRA D_CB1624 48_s_at	CREBL2	Sense	cAMP responsive element binding protein-like 2 [Source:HGNC Symbol;Acc:2350]	339	ACAGAGTCATTTGAGCTTTCTCCCTCCCCTAGTATCT TTACAGGAGCAGGGAAGAGCAGTAGAGGATGTATAATT TTGGGCGAAGTTAAATTACAATTTATTTGAGGTTATTCCT AAACCTATTTATTTGGTGTGTTTGGAGGAGATCACACACT AAGAGAACGTTGATTGCCCTCGGCTATTGTCTGGCTGG ACACTTTGGTCACTTTTGAAGCATGTTAATAAATGTCACT G

FIG. 7-87

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340	ADXCRP 1113.C1_x _at	IGFBP2	Sense	insulin-like growth factor binding protein 2, 36kDa [Source:HGNC Symbol;Acc:5471]	340	TCAAACACCGGAGAAACGGAGAGTGCTTGGGTGGT GGGTGCTGGAGATTTCCAGTTCTGACACACGTATTTA TATTTGGAAGAGACAGCACCAGCTCGGCACCTCCC CGGCTCTCTCTTCCAGCTGCAGATGCCACACCTGCT CCTTCTTGCTTTCCCGGGGAGGAAAGGGGTTGTGGT CGGGGAGCTGGGTACAGGTTTGGGAGGGGGAAGAG AAATTTTATTTTGAACCCCTGTGTCCCTTTTGCATAAG ATT
341	ADXCRP D.6986.C1 _x_at	GRB7	Sense	growth factor receptor- bound protein 7 [Source:HGNC Symbol;Acc:4567]	341	TGAGGAGCGGGAGGGTCCGCCACTCCAGTTTCTCCT CTGCTTCTTTGCTCCCTCAGATAGAAACAGCCCCCA CTCAGTCCACTCCTGACCCCTCTCCTCAAGGGAAGGC CTTGGGTGCCCCCTCTCCTTCTCCTAGCTCTGGAGGT GCTGCTAGGGCAGGGAATTATGGAGAAGTGGGG CAGCCCAGGCGGTTTACGCCCCCACACTTTGTACAGAC CGAGAGGCCAGTTGATCTGCTCTGTTTTATACTAGTGAC AATA
342	ADXCRP D.17978.C 1_at	U6 (RFAM)	Sense	U6 spliceosomal RNA [Source:RFAM;Acc:RF 00026]	342	AAAGACTCATATAAGGGTCCTTCCCTCTTTTCTATCCTC CCTCCATATTCAGTTGCTAAGTCTCAACTACTTTGCTCC CATCAAGATTCTCTTTACTATTTCTTCTATCCAGACCTTC CTCTTTATTCCTATTGTCATTGCTTATTTTAGGTTCTCAT CATCTTTCACATAAGATAACTACAACAGCTTCGTGACCAG CGTAGGCAA

FIG. 7-88

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343	ADXCRA D_AA7747 60_s_at	EIF4G3	Sense	eukaryotic translation initiation factor 4 gamma, 3 [Source:HGNC Symbol;Acc:3298]	343	GCTCAAATAGCTATAACTGTACCAAGACATGGAAGAAA CCAAAAGATCGACCCGAACCACTGAAGAGATGTTAGA GGCAGAAATTGGAGCTTAAAGCTGAAGAGGAGCTTTCCA TTGACAAAGTACTTGAATCTGAACAAGATAAAATGAGCC AGGGTTTCATCCTGAAAGAGACCCCTCTGACCTA
344	ADXCRA D.12198.C 1_at	DSP	AntiSense	desmoplakin [Source:HGNC Symbol;Acc:3052]	344	TGCGAATCTTCTGCAGCTCCATCAGCATCCATGTATCTT GCTTGTCATTTTCTCTGTGGTTACAATTACTTTATTATG GTTGACATCTTGGCAGGTTCCATGATGAGTGATTTTCAGT AGTGGTCACTGTCTGCTGGTGGGATAGCCAGGGAGCT GAATGACCAGGGTCTGTAATGCTTCTGGGCATCGGTG AACTGAGACTGTATTTCCGCTTGTCATCATCTCCAAC ATCTCTAAGCCTTGGCTATTTCTGATGAACCTCTTGGCAC TGTAACCAAGGTCGGATAT
345	ADXCRA D_CF2721 04_x_at	HIST1H2AJ	Sense	histone cluster 1, H2aj [Source:HGNC Symbol;Acc:4727]	345	CAACTATCGGAGCGGGTCTGGTCTGGAGCGCCGGTG TACCTGGCGCGGTGCTGGAGTACCTGACCCGCCGAGA TCCTGGAGCTGGCTGGCAACGCGGCCCGCGACAACAA GAAGACTCGCATCATCCCCTGCTCACCTCCAGCTGGCCA TCCGCAACGATGAGGAGCTCAACAAGCTTCTGGGCAAA GTCACCATCGCACAGGTGGCGTCTGCCCAACATCCA GGCCGTGCTGCTGCCAAAGAAACTGAGAGCCACCACA AGACTAAGTAAAGACCGAGTTGA

FIG. 7-89

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346	ADXCRP D.15112.C 1_s_at	KIF21A	Sense	kinesin family member 21A [Source:HGNC Symbol;Acc:19349]	346	CATATTTACGGGATCATCAACTTTTTCTCCTACCATACT ATCCTCAGACAAAGAACCATTTGAAATTATAGACCTAGC NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNGTGGCTGGTAAAGAGGATAATAC AGACACTGACCAAGAGAGAAAGAAAGAAAGGGTGT CGAAAGAGAAAAACAATGAATTAGAAAGTGGAAGAAAGT CAAGAAGTGAGTGATCA
347	ADXCRP D.1233.C1 _s_at	MRPL52	Sense	mitochondrial ribosomal protein L52 [Source:HGNC Symbol;Acc:16655]	347	TGCTCTTAAACCCAAAGGGGCTTCACTGAAGAGCCCCAC TTCCAAGTCAATAAAAA
348	ADXCRP DRC.462. C7_at	NCRNA00188	AntiSense	small nucleolar RNA, C/D box 65 [Source:HGNC Symbol;Acc:32726]	348	CTTCTCTTGGGCTGAGATGCTGCTGCCAGCTCTAAAC AGCACTCTGTTCTCAAACCTCATGGCAGGCTCCTGGC TCCAATACTCAGCTGCCAAACATGATGCTGATTCTTCAC GAATTTGCAACCCAGTTCTCTCGGGTTTGCACACCCCC ACTGTGGCCCGGGAAACCGGGTCCCGGCCCTTCGCAGA CTCCAGGCTCTGGCAGATGTGGCCCTCCATAACAACGG GAATGAAAAGGTCACACCTTATGTGCGCCAGGCCCTTA AGGAGTCGGAATATCCCAATCCTCC
349	ADXCRP G_AB0825 33_at	SGK269 (Entrez)	Sense	Tyrosine-protein kinase Sgk269 (EC 2.7.10.2)(Sugen kinase 269) [Source:UniProtKB/Swi ss-Prot;Acc:Q9H792]	349	TGCTGTGGTACTTTTGCTGTGTACTCCGTGGCATCATGTT ACTGTGTA

FIG. 7-90

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350	ADXCRA D_BX1117 19_x_at	TAF15	Sense	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 68kDa [Source:HGNC Symbol;Acc:11547]	350	GGAGTTTGTGACTAGATGGGCAATATAGTAAGATGTCAT CTTTTAAAAATGAAAAAATTAGCTGGCCACTGTGGCACA CGCCTGTAGTCCAGCTACTTGGGAAGCTGAGGTAGGA GGATTGCTTGAGCCAGGAGTTCAAGGCTGCAGTGAGC TATGATTGTGCTTATGAATAGCCACTGCACCTCCAGTCTG GGCAATAGTGAGTCGGTCAAAATTCATTTCCCCCTCCG CCCCATACCTCTTCAAAATGTTTAA
351	ADXCRA D_BU1925 98_s_at	ICAM1	Sense	intercellular adhesion molecule 1 [Source:HGNC Symbol;Acc:5344]	351	CACCTCCTGACGGATGCCAGCTTGGGCACCTGCTGCTA CTGACCCCAACCCCTTGATGATATGTATTTATTCATTTGTT ATTTTACCAGCTATTTATTGAGTGCTCTTTTATGTAGGCTA AATGAACATAGTCTCTGGCCTCACGG
352	ADXCRA G_BX6471 67_s_at	ANXA4	Sense	annexin A4 [Source:HGNC Symbol;Acc:542]	352	AGCCTAGGCAATGCAGCGAGGCCCTTGCTAGAAAATTT AAAAAAAATAAAAAAATTAGCTGGCGTGGTGGCAGC TACCTGTAGTTCAGCTACTCGGGAGGCTGAGGCGGCA GGATCTCTTGAGCTAAGTAGTTCGAGGCTGAAAGTGA
353	ADXCRA D_AK0927 50_x_at	EHBP1L1	Sense	EH domain binding protein 1-like 1 [Source:HGNC Symbol;Acc:30682]	353	TTAGCCAAAGTATGGTGGCACGCGCCTGTAATCCCAGCA ACTTGGAAGGCTGAGGCAGGAGAAATCGCTTGAACCTGG GAGGCAGAGGTTGCAGTGAGCCAAAGATCAGACCCTAC CGCCCCGCGCTGGCTTGCCCTCCTGTTCTCCAGAGCAA TAAAGTTGGACGAGACTACCC
354	ADXCRIH. 1053.C1_a t	PIGR	Sense	polymeric immunoglobulin receptor [Source:HGNC Symbol;Acc:8968]	354	CACAGCTCTTCTTGGCGTATTTTACTCACTGAGTCTTA ACTTTTCAACCAGGGTGCTCACCTCTGCCCCATTGGG AGAGGTCATAAAATGTCTCGAGTCCTAAGGCCCTTAGGG GTCATGTATGATGAGCATACACACAGGTAATTATAAACC CACATTCTTACCATTTCACACATA

FIG. 7-91

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355	ADXCRP D.16386.C 1_x_at	RHBDD1	Sense	rhomboid domain containing 1 [Source:HGNC Symbol;Acc:23081]	355	GGATGGACCATGTTTGAGAGGCTACAGAGGAGACCCA GAGCCAGTAGCAAGACATAGAGTTTATAGAGGAGACT TACAGCATAGTCCAGTGGCAGCGGGCTAGACAGGAGAA CCGCAATGGCTTGAAAAAGCACGAAAGTATAAAGCGTTG AGCTCAACGGTTTATACTTCAGAGAACTCAACAATCAA CTGAAGGCACTAACTGAGAAAAACAAGAACTTGAAATG GCTCAGGATCGCAATATGCCATTGAGAGCCCAATTACA AGACCAAGGAAGCATCAGAAGCTGA
356	ADXCRH. 2179.C1_a t	NBN	AntiSense	nibrin [Source:HGNC Symbol;Acc:7652]	356	ATTTCTTTAGCTGACCATAGTGAGTCTTCCTTGAGTTCA CGTTTCTTCCCAATTTCAATTTCTTGAGATATTTTGCTAC TTTCTGGTACTGCTTCATCACTGAAAGTGTCATTTGTTTC TATATCCATCCTTGGCCTTTTCTAACATTGACATCTTCC TCCTGTTTTTGAACCTTTCACATCAATTTCTAACTCTGGTT TTGTGTCCTTGAATAACTGTTCCAATACTTCATCTTCTAT GGCCACATCATCCATT
357	ADXCRA D_CN311 761_s_at	ZNF655	Sense	zinc finger protein 655 [Source:HGNC Symbol;Acc:30899]	357	GTATCAAATTCACGCCATGCAAAAAGATTATAAATGTAAT AAGCATGTATGTGTGTGAGGAGATTTCAGTCATAACCCAA CGCTCATTCAACATCAAGAATTTATACCTAAGAGAAGT TATTTGGGTAGTAAATGGCAGATCTTTCAATAGGAGT TTAACTAGTCTTTGTATATATCAGAATATCCATAGTAGACA AGAATTTGATGTAACGCAAAATGGAAAAACTCGACACCCAC ATTTCAGGCTTTACCCAACATCGAAATAAT

FIG. 7-92

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358	ADXCRA D_BE4676 88_s_at	CCND2	Sense	cyclin D2 [Source:HGNC Symbol;Acc:1583]	358	CGTTCAGTACAAACATTTATGCGGTAGGCTCAGATGTTG TAATTTGCACTTAGGTACCAGGTGTCAGGAAACAGACTA AAAAGAATTCACACAGGCTGTTTGAGATCCTCATCTTG GAGCTTTTTCAAAAGCGGNGCTTCATCTGCAAGGGCC CTTTCATCTTGAAAGTTTTTCCCTCCGTCCTTCCCTCC CCTGGCATGGACACCTTGTTTGGATCATCTCTGCAA GTTTCCTAGGCTGAACTCTGCGAGTAGATGAACCTGCA
359	ADXCRA D.11405.C 1_at	NAA50	AntiSense	N(alpha)- acetyltransferase 50, NatE catalytic subunit [Source:HGNC Symbol;Acc:29533]	359	GTACCACAAACACACTCAACTTGCTATGAATTAGAGAA CAAGATACTGCTGCTGCTTCTTTTGACTTTTGAAATATA CAATGTTTGTAGGCTCTGCCCTTCAATGTGAAAGCAGG ACATTAAATTTGAAATTTATTGACAAATTAATGTTTAGGA CCATCTAACTTCAACTGCAAAACTAAACAGATCTACCTT GTCCTTC
360	ADXCRA Hs#S812 597_at	RP11- 1415C14.3 (Clone_based_ vega_gene)	AntiSense	glucuronidase, beta pseudogene (LOC653391), non- coding RNA [Source:RefSeq DNA;Acc:NR_029426]	360	ATTACAGTTATAGCTCTCTCAAGCAAAAAACAGCAGAG AAAAACTTAGTTACCTTAGGGGCTATTTATTACTTAGG GATTTGTTAAAAGGTCGAATGGGTGCACACAGAATACTA AGAAGAGCTGTTCAACCCAGGCCTCACTAAGAACTCTTC TTCATTCAAGTAGCTGTATAGTAACATGAC
361	ADXCRIH. 949.C1_at	N/A	No Genome match	N/A	361	CTTAGTAGTTTCTCGTCAGTCCCGCAGCCACCGCAGC CGGGTCCCCCTCGTG

FIG. 7-93

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362	ADXCRP D.4532.C1 _at	DUOXA2	Sense	dual oxidase maturation factor 2 [Source:HGNC Symbol;Acc:32698]	362	AGAGAGGGGGCTACCTCTTATCCTCGGGGACCCACTG CACAAGCAGGCCGCTCTCCAGACTTAAATGTATCAC CACTAACCTGTGAGGGGACCCAATCTGGACTCCTTCC CCGCTTGGACATCGAGGCCGCGGAGCAGTGCCCG CCAGCCTGGCCAGGAGAGCTCCAGGAAGGGCACTG AGCGTGTGGCGGAGGCCCTCGGACATCCGCAGGCA CCAGGAAAGTCTCCTGGGCGATCTGTAAATAAAC
363	ADXCRP D.13185.C 1_s_at	GNL1	Sense	guanine nucleotide binding protein-like 1 [Source:HGNC Symbol;Acc:4413] /// Guanine nucleotide- binding protein-like 1 (GTP-binding protein HSR1) [Source:UniProtKB/Swi ss-Prot;Acc:P36915]	363	CTGAATGGGCAGAGCTGGATTTTACAGGGTTGGGATTT TGCCAGGTGAGTAAGATAGAGGGGAGAAAGTGGGACCA GGAAGTCCAGGTCTGTGAACGGCCTGGCTGAGGAG CTGGATCATGAAATCTCGAGTCAAGTAAGAAGGAAATTG AGGACACGAGTTGGGTATTGCATAGTGTACTGTGTTAA GGTCAGGGGTCAAAGACTTACTGGCATGGAGTAACCCAG AGTAAGTG
364	ADXCRA D_CN481 679_s_at	MARS	Sense	methionyl-tRNA synthetase [Source:HGNC Symbol;Acc:6898]	364	CAGGCAAAAACGTCCCCGAAGCCAGCAGTTGTAGAGAC TGTTACAACAGCCAAAGCCACAGCAGATACAAGCGCTGA TGGATGAAGTGACAAAACAAGGAAACATTGTCCGAAA CTGAAAGCACAAAAGGCAGACACAAGAACGAGGTTGCTGC GGAGGTGGCGAAACTCTTGGATCTAAA

FIG. 7-94

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365	ADXCRA D_BX1168 94_x_at	EIF2C2	Sense	eukaryotic translation initiation factor 2C, 2 [Source:HGNC Symbol;Acc:3263]	365	CAGAGTCCCGTGTCTCCTAAAAATCTCCTAAAAACCAGTC TATGAACTCAGGGCTTTAAACATTTTTAATTTATTTGGT CATTCAATTTACTTGTTTTAAATACATGATTCTCTATGAAA TTGATGGGCTCAAAC TAGCTGTGAATCTTCTGAGAGTGA AAGCAACA
366	ADXCRIH. 179.C1_at	NET1	AntiSense	neuroepithelial cell transforming 1 [Source:HGNC Symbol;Acc:14592]	366	TATAAAGTAACCCATATGATGCTCCCTTACGAGAAAAACA AACTGTACACATTTATAACAAACAGTCTCTCCCATCA GTTAACACACAGAGCCTTCTCTACACCAAAGTCTCTTTC CGTTGCCACCAGAAAGGGCTTTGTCCCTCGCTCTTCG GATGCCGGGCTGTCTGGTGTGTCTTTAAGCTCTTGC TGCTCTTGCCATCTGCATGCCAGAGCCACATCTGTAA GCGTTTTCATCAACTTCTACCTGAGTAACACTGGAAACT GTCCTCGTGC
367	ADXCRA D_BG772 667_s_at	C11orf35	AntiSense	Uncharacterized protein C11orf35 [Source:UniProtKB/Swi ss-Prot;Acc:Q8IXW0]	367	ACAGCTCCTTTGACCTCAGTGACAGGGCACTCACCTACC TGACCCCCAAACTGAAGCCTCACTTTTCCAGCCGTGT CCACACCTCTGGGCTACCCCATTTACCATGACAAGTATT CCCTCTGCTCCAGGAGAAAAGCCAGGTCCAGACCTGA CCCATTAAACCCAATCATTTCCA
368	ADXCRA D_BE1385 16_at	ATL2	AntiSense	atlastin GTPase 2 [Source:HGNC Symbol;Acc:24047]	368	GACCAGGAAGTCTCTATAAAGAAATTATATTTCTATAGAATT AAAAATGCAGTTCTGTGCAGCCTGGACAAC

FIG. 7-95

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369	ADXCRA D.14668.C 1_s_at	TBL1XR1	AntiSense	transducin (beta)-like 1 X-linked receptor 1 [Source:HGNC Symbol;Acc:29529]	369	ATAAGAACTTATGGGATTTCCCTACACGGAGACAAAAA GATATTCCTTTATGTNGTTTAAAAAGTGGCAGCTGCTCTT TCTTTATCCATTTTAAATCAATGAGTATTGATTCAGTTTT CCTTTCTATTTTCCCTTATGATAAGTTTCTTACAGTAGCT TATACAACAACAATAGCATAGAAAAAACTACTGGATTCA AT
370	ADXCRA D.11100.C 1_x_at	N/A	Sense	non-protein coding RNA 152 (NCRNA00152), transcript variant 2, non-coding RNA [Source:RefSeq DNA;Acc:NR_024205]	370	ACAGGTAACCTTCTCACTAAGTGGGGTGTCTGAGGCC AGGAGAGCTCTACTCATTTCCCTGTGTGATCCCAGCA GTGAGCATAGAGCAGGTGCCCTGCAATGTTAAGC
371	ADXCRA D_CB0552 15_at	BMP2	Sense	bone morphogenetic protein 2 [Source:HGNC Symbol;Acc:1069]	371	AGAAAGAATAAGCAGGATCCATAGAAAATAATTAGGAAA ACGATGAACCTGCAGGAAAGTGAATGATGTTTGTGTT CTTCTTCCCTAAATTAGTGATCCCTTCAAAGGGGCTGAT CTGGCCAAAGTATTCAATAAACGTAAGATTCTTCATT
372	ADXCRA D_BP2850 69_at	IFIT3	Sense	interferon-induced protein with tetrapeptide repeats 3 [Source:HGNC Symbol;Acc:5411]	372	GATTGCTGAGCAGGGAAGCTTTGCATGTTGCTCTAAGG TACATTTTAA

FIG. 7-96

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373	ADXCRA D_BE6446 66_at	BMIPR1A	AntiSense	bone morphogenetic protein receptor, type IA [Source:HGNC Symbol;Acc:1076]	373	CACCCCATGCACTGTACAAATACTGCAAAACACTATAGTT GCATTCATAGGACCATTAATAAAAAA
374	ADXCRA D_AW979 272_s_at	BICD1	Sense	bicaudal D homolog 1 (Drosophila) [Source:HGNC Symbol;Acc:1049]	374	TTCTGAGGGACTGCTTCTTGAGCGCGCCCTCTTGTGTG ATTGAATTAGTCAGTGATGGTTCTCAGGACTAGATTAGA TTGTTACTCTTAAATAA
375	ADXCRA D.2443.C1 _s_at	TCEB3	Sense	transcription elongation factor B (SIII), polypeptide 3 (110kDa, elongin A) [Source:HGNC Symbol;Acc:11620]	375	GGCCGCTTCAGACAACCACCTGAAAAAGCCAAAGCACA GAGACCCAGAGAAAGCCAAATTGGACAAAGCAAGCAA GGTCTGGACAGCTTTGACACAGAGAAAGGAGCAGGAGA CCTGTTGCCCCAAGGTAAAGAGAGAGGGTTCTAACAAACC TAAAGACTCCAGAAAGGAAAGTCAAAACTAATTTGGATA GAAAGTCACTGGCTCCCTCCCTAAAGTTGAGGAGACA GATATGGAGGATGAATTCGAGCAGCCCAACCATGTCTTTT GAATCCTACCTCAGCTATGACCA
376	ADXCRA D_AL1575 11_at	SNAPC3	Sense	small nuclear RNA activating complex, polypeptide 3, 50kDa [Source:HGNC Symbol;Acc:11136]	376	ACAACTGGAAATTAGGATTTTCTCCTGATGAAGGAAAAA AGACATTAAAGTCTGCATTATATTTTAAACCCATGAAAAG ACTGAAACCAACCAACAAAGAAAGAAACCTTGACTTGTTA TTAGAACAGTCATTATATTTTTTTTCTTCTTCAAAACTGT TATTTTACCATGTTGTATCTTCTTCCCAAGTAATATGCA GATGAAGCAAAATAACTCAGCAAAAGTGCATGGACCAA GCCCTTCCCATCATTTCTAGCATTAAGTGAA

FIG. 7-97

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377	ADXCRP .Hs#S186 2874_at	SND1	Sense	staphylococcal nuclease and tudor domain containing 1 [Source:HGNC Symbol;Acc:30646]	377	TGATGTGTTGCTGTGGCCAAAGAAGATGAGAAGGAG CGAATTTGGCAGTGGACCTCCAGGCAGCCCTTACAGT TTTCAGTTGGGAGTGAGATGAGACCTGGAATTTAGGG GTCTGTAGTTAAACCATGCGGTGTACAAGATTGCC AGATTGAGTATGTGAAGGTGTGATGGGAGGAGAGAG AGTGTAGGAAGTGTGGGGTCTGCCATCTGAGAACA GGAGCCAGAGGCAGCATATGCAGCCCCGAAAGGAGAG AATCCATGCTGAGGGTCGTGAATAC
378	ADXCRP DRC.7243 .C1_x_at	ECE1	Sense	endothelin converting enzyme 1 [Source:HGNC Symbol;Acc:3146]	378	GAGAAACAGCTGTCACCTCCCCGCAGACCCCTAATCCTCT CTCGC
379	ADXCRP G_BC039 833_at	RNF44	Sense	ring finger protein 44 [Source:HGNC Symbol;Acc:19180]	379	AATATTGTTGCTGATTTCAGAGGGATATTCACTAATAAAT GTAT
380	ADXCRP D.12441.C 1_s_at	CCDC55	Sense	coiled-coil domain containing 55 [Source:HGNC Symbol;Acc:25305]	380	ATTCTGAATCATCACTGGGAGCAAAACACAGACTCACAA GAGGAAGGCAAGAGAGGGTAAAGAAACAAGAGAGAC CACCTGAGGCAGTGAGCAAGTTTGCAAAGCGGAACAAT GAAGAACTGTAAATGTCAGCTAGAGACAGGTACTTGGC CAGGCAGATGGCGGGTTAATGCAAAGACCTATA
381	ADXCRP DRC.1049 3.C1_at	PPFIBP1	Sense	PTPRF interacting protein, binding protein 1 (liprin beta 1) [Source:HGNC Symbol;Acc:9249]	381	ATTGCTTGAACCTGGGTAAGTATTGATGTAATGCCAA AGGAGAAGGAGTAAAGGAAATGACATAGAGTCTGAG CTAGAGTAACAGGGACAGTATTAAATTAATAACCCAA TATCAATAAGAACAATTAAGAGACGAGGCCACCATG

FIG. 7-98

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382	ADXCRPD .14444.C1 _at	PRKDC	AntiSense	protein kinase, DNA- activated, catalytic polypeptide [Source:HGNC Symbol;Acc:9413]	382	CTGCTGTGGTGTTATTTGCTTAATGGACCATTTAAGGAA TTCTCGAATACACCGACCACACAAAATCTCTTAAAGTACT GTCAACAGGGTCCACAATCCATCCCAATATAGCTTCTAG TAAGGCAACAGTATCCTGACTTTCAAATTTCTTGTGTTA GTGAACCAGTGAATCAGCTGCATAACTAGTGGCTCATAC AGTTGCCCTTGTCACCTGATCAACATCACACGCAAGTCGA AGCAGCACAGGAAACGTCCTTATAGAGCTGGTACA
383	ADXCRA _NM_1944 28_at	DHX34	Sense	DEAH (Asp-Glu-Ala- His) box polypeptide 34 [Source:HGNC Symbol;Acc:16719]	383	CTGAATTTGCCCATCCACCTGGTGCACCTTGAGAGTTGT GCAGGGGGCTGGAGCACTGGTGTTCACGTGGGACC ACAGGCTGCACCATTAAGACCCCACTCACAAATAAAAAATA AAAGGCCGAGCCGGGCATGTTGCTCACTCCCGTAATA AAAAATAAAGAACAGGCTGAGCCGGGAAA
384	ADXCRA _BE64466 6_x_at	BMPR1A	AntiSense	bone morphogenetic protein receptor, type IA [Source:HGNC Symbol;Acc:1076]	384	CCAGAAAAAGCACCCCATGCACGTGTACAAATACTGCAAA CACTATAGTTGCATTATAGGACCATTAAAAAAAAGAG CCAAATTACAAAACAATCTATATTTACAAAACATTTCACT TGGGTTCTTAAGCTAAGATATTACTGTTTACTTTGGTAC GATAACTAGAAAACACAAACATTATGCTCCAGA
385	ADXCRESS .Hs#S3018 206_at	MYO10	Sense	myosin X [Source:HGNC Symbol;Acc:7593]	385	TCTTTGTCCTGGTCGCTTGGTAAATGTGTAGTCGCGTA TCTGAGACATAGATTGTGCTTTATTCGGTGCTGTGGAGA GTAGAACTAGCAGCAGTACCTGGAAAGGGCCCTGAT CTGCGGGTGTGGATGAGTAGAGACTCTTCAGTTGAGAT TTAGCTCTAGTGAGGGTTGGGTGCAACAAATGTAGGAAA GAGTGAAGAGATGAGCAGCTCATGTCTGAGTTTATTCTG TTTCTGTTACTGTGTACACAGACCAGCCTCAGATCATAGT TCATGAT

FIG. 7-99

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386	ADXCRA D_BF5155 92_x_at	YPEL5	AntiSense	yippee-like 5 (Drosophila) [Source:HGNC Symbol;Acc:18329]	386	GCTCATTGCTGACTGTTTTCCCTTAAAGCTGGGAAGGCT GTGGTCAATTACGCTCGCCACCTGTTTCTGTACTGCC CACAAGCTGAGAAATGAAATTTGTACTTTTTAAATGGTTGG GGGAGGGGAGAATATTTTCTGACACAAGATATATGAC ATTCACACTTGAGTGTCAAAGTTTTTAGGAACACAGCCA CGCCCATTTGTTTACACTTTACTCCTCCACTTTACAATG AAGAGGTATGAGGAGCTGCTACAGAAACCTTCTGGCTT GCAAGTTTA
387	ADXCRA G_BC015 944_s_at	TIA1	Sense	TIA1 cytotoxic granule- associated RNA binding protein [Source:HGNC Symbol;Acc:11802]	387	ATTTTGGAGAAAAATACGCTAGATTTTAAATGTTAGAGCT GTTCCCGGAGACTTATTGCAGAAATAGATGAGAAGCAA ATCAAGACTACTATTTC
388	ADXCRESS .Hs#S218 3619_at	SIPA1L3	Sense	signal-induced proliferation-associated 1 like 3 [Source:HGNC Symbol;Acc:23801]	388	GCTGACAGTGAGTACTGATGGCCTGGATGTAGGGTGA GAGAAAGAGAGGGGGCTAGGATGACCCCTGAGGTTTGG GCCTGGACACCAAGCTGAGGGGTGAAGATACTGCATTGA GGACCCCAAGGTCGGGTTTGACAGGAGTGGCCAGA AGCCCTTGTAAGAATCAGAGACGTGGCTGAGTCTGTT CGGTGCTGGGTGCCCCGTCAGACAGCTGCGTGAGATGG CAAGGAGACAGTTGGATACGCATACCTGAAGTTGAGAG AG

FIG. 7-100

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389	ADXCRP D.2761.C1 _s_at	SMARCC1	Sense	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1 [Source:HGNC Symbol;Acc:11104]	389	ACTGCCTGGCAGAACATACCACCTGAACCTAGTATGTGCTA GAGGAGGCACAAACATCCGCTCCTCCCTAGGCCTGC TGGCTCTGTTTTCTATGCAGATGATTCATTGGATTGGG GGTGAGTGTTTTGTTTTCTGGGGCAGTGTGAGCTTTG AGGGTTGGAATATTGGGAGGCATTCCCTTAGTTTCCTCAA CTAGCCTGGAAAGTTAGGAGTCTAGGGTAATTACCCCC CAATGAGTCTAGCCCTACTATTCACTGCTT
390	ADXCRA D_BX1040 39_s_at	CYP1B1	Sense	cytochrome P450, family 1, subfamily B, polypeptide 1 [Source:HGNC Symbol;Acc:2597]	390	AAAGCTGTGTTTTATATGGAAGAAAGTAAGTGCTTGGAG TTTACCTGGCTTATTTAATATGCTTATAACCTAGTTAAAG AAAGGAAAAGAAAACAAAACGAATGAAAATAACTGAA TTTGGAGGCTGGAGTAATCAGATTACTGCTTTAATCAGA AACCCCTCATTGTGTTTCTACCGGAGAGAGAATGTATT
391	ADXCRP D.12476.C 1_x_at	ASPH	AntiSense	aspartate beta- hydroxylase [Source:HGNC Symbol;Acc:757]	391	AAAGAACTTCTATCCAGAATGCATAAAGAAATTACCGCTC AGCAACAAAAAACAAATAAAATTAGAAATGGGCAAAAAAG AAACTTCACTAAAGATAATGGGTGTAGCCCAATAAGCACA AGAAAAAGTGCTTGACATCATTTATTCATCAGGGAATTGC AAATGTAACCTACAGTAAGAAAGCCACGGCATACCCACC AGAATGGCTAAAATTAAAAAGACTGACACCCACCAAATGT TGGTACATATGTAGAAACAACCAATTCCACACATAG

FIG. 7-101

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392	ADXCRA D_AL8335 13_at	EEA1	Sense	early endosome antigen 1 [Source:HGNC Symbol;Acc:3185]	392	TTTTATAGCGTGTAGTTGACCCCTTGAACAATTTGAGTGC CAACCTCCTGTGCAGCTGAAATTCATGTATAAATTTTGA CTCCCCAAAAATTTAACTACTAATAGCCCTATTGTTGACC AGAAGCCTTACCTATAATAAAGACAGTTGATTCACACAT ATTTTGCAATGTTATATATATATATATACAGTATTCCTTTT TCTTTGCACATTAAAAAAGACATTTATTCTGCATCATGA TCAGACTTACATTTAGCAATCAACA
393	ADXCRA G_BC017 424_s_at	KIAA1217	Sense	KIAA1217 [Source:HGNC Symbol;Acc:25428]	393	GAGGTGCATGATATTGTTAGCCAAAAGGGAGAAGACAT ACAGACGGTTAATATCGATGCCAGAAAAAGAGATGACCC CCGACAAGAAGGACTGACAATGAGGATCCAGTCGTG TGCTTGGACAAGAAACCAAGTATCATCATTTTCGATGAG CCCATGGACATCCGGTCTGCCTATAAGAGACTTTCAACT ATCTTTGAGGA
394	ADXCRA D.6743.C1 _at	INPP4B	Sense	inositol polyphosphate- 4-phosphatase, type II, 105kDa [Source:HGNC Symbol;Acc:6075]	394	GAGGAGTCGAACATGATCTTGAGGACTCTACTCTTGGA GGCTTAAAGGAATGTGTTGTCTGTAAATGTCACAGGAA TCAGGAAGGAAGAGCCAGTTAGGGTCAAGCGTTAGAAT ATGTTAAGCTTAATAGGCTTTGACACTCAGATGTGCCCA TCAAGCAGTTAGGAATTGGATTATTTTGTGGAAGAGG TCAGAACTAGTCAAGAGATTTTCATAGTCTTGGTAAA
395	RDCR342 _D10_x_at	GFPT1	AntiSense	glutamine--fructose-6- phosphate transaminase 1 [Source:HGNC Symbol;Acc:4241]	395	CAGAAATTCATGCTTCTCTGGCAACAACAATAACTATTA GAAAATCTTAACCTCACCCAGAAAGTTNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN TGTGCTAAATAGCTTATCTTCACAATTTAAAGTAAAAAC CTTTGAAAAAAGAGGACTTCACCAAAAAACAACACACTC TCCCTATAGCCCTGAAGATCTGGCCAGAAAAAGCTCCAT TAA

FIG. 7-102

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396	ADXCRP D.8154.C1 _s_at	RP11-294O2.2 (Clone_based_ vega_gene)	Sense	Novel processed transcript.	396	GATAATAACCTTTAATGAACTCAATACTCGGGAAGGCT TCACATTTCTGGACTCAGCATTATCCAAAATATCTATTA AGAGCCATACACCAATTCTAGCTGCAATTGATTATACAAA AAAAANGACCAAAGTGGTTACAATAATAAATAGAACAC AGAGAAAGAAAGAAACTACATGTGTTACAATTTGGTAAG ATAACAAACAAACAAACAAATTAATCACCTTTTTTTGGT CCTGTGACACACATGATAATTTTGTCTTAATTCCTCTAA CAAATGA
397	ADXCRP D_AI8200 50_at	MMP25	Sense	matrix metalloproteinase 25 [Source:HGNC Symbol; Acc: 14246]	397	CGCAGGGTCCCTGGATCACCAAGGACCCTTGAAAGCATG TGAAGACTTTGATCAATGGGGAATCATTAAAGGGTTT TGCATTCGGAATAATCATCAGCTTCAGCGGGGGCAG GGGTAGGATAGAGGAGGAGGAGGAGGAGGAGTTCTCGC AGGTCCAGGCAAGAGATGTGGAGTGTGGTCTCTGGG GAAGGGGAGTGGACGATCTGAGGAGGTTCAAGT AGGATGGGCAAGGATTGAGATCTGGCTGGATCC
398	ADXCRP D_CD672 976_at	ARHGEF2	Sense	Rho/Rac guanine nucleotide exchange factor (GEF) 2 [Source:HGNC Symbol; Acc: 682]	398	GGGACATCCGAAAGCTACACCACAGATGCCAGTGGTTC ATGCCCTTCTCCGCAACTTAGGAAAATTTATTTATTTA TTGTTTATTAGTTATGGGGGAGAGGGGAGATTTAAAG GACCAGGGACATGGGAACCAAGCCATAGGGATCAGAG GGCCTTGCTCTTGAACACTACTGGGGTATATTCAGGCT CATCCACGCAG

FIG. 7-103

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399	ADXCRA D_BX0928 82_at	MSX1	Sense	msh homeobox 1 [Source:HGNC Symbol;Acc:7391]	399	CAGGCAAGAAAGCGCAGAGAAATCGGTGTCTGACGAT TTTGGAAATGAGAACAATCTCAAAAAAAGAAAAA AAAAAAGAAAGAAAGAGAAAAAAGACTAGCCAG CCAGGAAGATGAATCCTAGCTTCTTCCATTGGAAATTT AAGACAAAGNTCAACAACAAAAACATTTGCTCTGGGGGC AGGAAAAACACAGATGTGTTGCCAAAGGTAGTTGAAGG GACCTCTCTCTTACCAGTACCAGAAA
400	ADXCRIH. 2218.C1_a t	CAPN12	Sense	calpain 12 [Source:HGNC Symbol;Acc:13249]	400	AGAGCAGGAGAGACGGCAGAGATATGTTGCTAGGTGAA TATATATTTATATAATAAATCCGTAAGTTAATAAGTAAAT AGTAATTCTCTG
401	ADXCRA G_NM_02 5168_s_at	LRRC1	Sense	leucine rich repeat containing 1 [Source:HGNC Symbol;Acc:14307]	401	GTATGGACTGAGAGGCATTTAAATTTCTGGCAAGGGAGG TGGAATGCTGACAAATGAGGAGGAAGCTTATAGTGGGT CAACAAAGGAGGTGCTCTAGTGTGTTGTTAAAAAAGAAGG CTTACAAATTAGCCAGGC
402	ADXCRP DRC.1038 0.C1_s_at	WHSC1	Sense	Wolf-Hirschhorn syndrome candidate 1 [Source:HGNC Symbol;Acc:12766]	402	TCCCAAGGGTCGCTAGAACTCGTCTTCGCCGTTGCCCC CTTTCTGGCTCTCAGCGCCGTCGCCACTCGGGAGAGG CTGGGTAGGGCCCGTGTGAGGACTGACCCCTGGATTCCT CGAAACTGCCATTGTGATCATTAATCTGCTCTCTTTGGAAA TGGCTG

FIG. 7-104

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403	ADXCRA G_BC015 714_s_at	PHF21A	Sense	PHD finger protein 21A [Source:HGNC Symbol;Acc:24156]	403	GTTACATGAAATAGTGCCAGCTGGAGGTTCTTTGCCAG CACCATGCCAAGTGAAATAATATATTTACTCTCTCTATTA TACACCAGTGTGTGCTGCAGCAGCCTCCACAGCCACG ATGGTTTGTCTGTTTTCTTGGGTGGGAGCAGGGA CGGGCGGAGGAGAGAGCAGGTTTCAGATCCTTACTT GCCGAGCCGTTTGTAGGTAGAGAACAGTCCAAA GAGTGTGTGGGCTTTCCTGTTTCTAAACTTTTCGCTACTA TA
404	ADXCRA DRC.1379 6.C1_at	SH3D19	Sense	SH3 domain containing 19 [Source:HGNC Symbol;Acc:30418]	404	TGTCTGTGCTCATGGAATTGCCAATGAAGATATTGTCT CTCAAAACCCCGAGAACTCTCTTGTAAAGCGTGGGGAT
405	ADXCRA G_BC064 577_at	CPNE7	Sense	copine VII [Source:HGNC Symbol;Acc:2320]	405	CCCTGTGCTTTTGGCGTGGGCTCTGCACCTGGGTC CATGGGTCTGCGGGTCTGCGGGTCTGCCCTGGCCT GTGGTTCTGCCGGTGGGCTTCAGGAGTAATAAAGTG TCACCCCTATCCTTGTA
406	ADXCRA D.14989.C 1_s_at	IGF2	Sense	insulin-like growth factor 2 (somatomedin A) [Source:HGNC Symbol;Acc:5466]	406	GGCCATCCGAAAAATAGCAACAAACCCAGACTGGCTCCTC ACTCCCTTTTCCATCACTAAAAATCACAGAGCAGTCAGA GGGACCCAGTAAGACCAAGAGGAGGGGAGGACAGAGCA TGAAAAACCAAAATCCATGCAAAATGAAATGTAATTGGCAC GACCCCTACCCCCCAAATCTTACATCTCAATTCCTCCT AAAAAGCACTCATCTTTATGCATCCCCCGCAGCT

FIG. 7-105

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407	ADXCRA D_14930.C 1_at	DHRS11	AntiSense	dehydrogenase/reductase (SDR family) member 11 [Source:HGNC Symbol;Acc:28639]	407	GATATTTGCTCTATGAACAGTAGCACAGACCCCTCTAATTC CATAGGGAATCATTTCCATGACTTCCCCCAATACCCCTA CTCTTCTCTATCTCTGTGACAGTCTCTGGCCCTGCTCCC TCCTAACTGCTCAAAATCCTTACCAAAATGGCTTACAA ATCTCTCTCCTCCGG
408	ADXCRA G_AK0914 65_at	LARP1	Sense	La ribonucleoprotein domain family, member 1 [Source:HGNC Symbol;Acc:29531]	408	CCCTGTGGATCCCAACCAAGGAGTTCTCTCTGGCCAC CTCGGTTCCAGCAAGTTCTACGGATGCCCCGGCCAAAC AAGTTGTTGGTGCTCCTGAGCCCTCCACCATCGCCCG CTCTTACCAACCACCTGTCCAGAGTCAACCAACTACC GCAACACCAAGGACCCCTCGCACTCCCCGGACACCACA GCTCAAAGACTCAAGCCAGACATCAGGTTTACCCAG TGGTAAAGAAGGACGGACACTGGATGCCAAGATGCCT C
409	ADXCRA D_AA7021 87_at	ZXDC	AntiSense	ZXD family zinc finger C [Source:HGNC Symbol;Acc:28160]	409	TATAGTTCTGTTGTAGGTACACATGAACAGCAACCAAA AAGAGGAAAAATCTTTGTCCCCCATGCTTTTTCCTTG AATTCTGCACTTTTCATATTAAACATTAGCCCTTGCTTTGT GATTTGCCCTTGCTTTATTTTACCCTGTCTTAATCTTAAC CTTCCCAAAATATTTCCATACAGGGTGCACCTCTCCTAGA CAACACACAGCGGAGAGTGTGCTTCCCATGTATTCAAT CTTCGCTCTTTGAAAGGAGAGGTGCCCTCATTACACTTC ACTGTGACACAGGATACCCCTTGTTT

FIG. 7-106

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410	ADXCRA D.8783.C1 _at	NOTCH2 /// NOTCH2NL	Sense	Notch homolog 2 (Drosophila) [Source:HGNC Symbol;Acc:7882] /// Notch homolog 2 (Drosophila) N-terminal like [Source:HGNC Symbol;Acc:31862]	410	ATGGAAGAAGACACGATGAGAAATTAGACACTGGAATA TGATGTGTGGTTAATAAAGTGCTTTAA
411	ADXCRA D_CR740 197_s_at	BBS4	Sense	Bardet-Biedl syndrome 4 [Source:HGNC Symbol;Acc:969]	411	TCAGGTTGTGAGGTTTATTAGTCCCCAAGGCAACACAA ATATTAGATTAATAATCCAACCTTTAATAGTATACATTTAA AGAAAAAACAAGCCCTGGAAAGTTGAGGCCAAGCC TGCTGAGTATTGAGCTGCATTTGCCCAAGGGAATCC AGAACAAAGTCCCTCCCTGTATTTTGTCTTGAGAGGGGT CAGCTAGAAAGCTAGATCCTATCAGGATGAGGAGCAGC AGCCCAGGGCTTGTCTGGATCAGCACCAACGATTTTAA AGA
412	ADXCRA D_AL0440 78_at	HNRNPL	AntiSense	heterogeneous nuclear ribonucleoprotein L [Source:HGNC Symbol;Acc:5045]	412	GTGGTGTCTTGATGTAGTGAGCTCAAGTCTGCGGCTG TTTCTGGGACGTGGTGAGGCTGCATGTTCTGTTCTC TCCAGGAAGAGCTAGTGTTTCTACCTGTGTGTTGGT GAGCAATGTGCAGAGGCAGAGCCGCTGAAGTATGGTTC CTGAGGGTGGCGAAGCACCGCCCTCACTCCAGGTCA CCTCATCAGCCCTCGTTTTTTTTTGGCCCCCACCCTGGG GCTTGCCAAACTGAGAGGCATTCAAAACCATGGCAC

FIG. 7-107

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413	ADXCRA D_CF1274 03_at	TMEM53	Sense	transmembrane protein 53 [Source:HGNC Symbol;Acc:26186]	413	AGGACGCGGGCTCTCGCTGCCCCGAGCTCTACCTCTA CTCAGAGGCTGACGAAGTAGTCTCTGGCCAGAGACATAG AACGCATGTGGAGGCACGCCTGGCACGCCGGGTCTT GGCGCGTT
414	ADXCRIH. 766.C1_s_ at	CLPTM1L	Sense	CLPTM1-like [Source:HGNC Symbol;Acc:24308]	414	GAAGCATTTGGAGGAATTCCTAGACATTGCGTTTCTGT GTTGCCAAAATCCCTTCGACATTTCTCAGACATCTCCC AAGTTCCCATCACGTCAGATTTGG
415	ADXCRA G_NM_19 4428_x_at	DHX34	Sense	DEAH (Asp-Glu-Ala- His) box polypeptide 34 [Source:HGNC Symbol;Acc:16719]	415	ATGTCTCCAGATTCCAGGTGCAGGTTCTTAGCACCTCC GCAGCCGCTCTCTCTTGAGTCCATCCTCAGTCTCTCCTA CCCCTTGAAGTAGGGGACCCTGAATTTGCCCATCCAC CTGGGTCACTTTGAGAGTTGTGCAGGGGGGCTGGGAG CACTGGTGTTCACGTGGGACCACAGGCTGCACCATAAAG ACCCACTCACAAATAAAAAATAAAAGGCCGAGCCGGGC ATGGTTGCTCACTCCCGTAATAAAAAATAAAAGAACAG GCTGAGCCCGGAAA
416	ADXCRA D_BG696 656_s_at	FCGBP	Sense	Fc fragment of IgG binding protein [Source:HGNC Symbol;Acc:13572]	416	TGTGATTGTCAGCAATGACCATGCTGGGAAACTGTGTG GGGCCTGTGGAAACTTTGACGGGGACCAGACCAATGAT TGGCATGACTCCAGGAGAACGCCAGCGATGGAGAAATG GAGAGCGCAGGACTTCTCCCCATGTTATGGCTGATCAG TCATCCACCAGGAACGAAGATTTCTGAAGAAGACCTG GTCCCTCTGGAGGTTGCGGTGGCTGAAGGATGCATCAT GTGCTCCTACCCCTGCTCTACCCGCTTTTCTGGGTCACA

FIG. 7-108

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417	RDCR333_A08_s_at	C1orf27	Sense	Protein odr-4 homolog (hODR-4)(Transactivated by transforming growth factor beta protein 1)(LAG1-interacting protein) [Source:UniProtKB/Swiss-Prot;Acc:Q5SWX8]	417	ACATTGGAAAGTTAAGAGAGTTCGAGGGGAAGAAATTATAA AGACTAGGAGTCCCTAGAAAAGAGAAAAATTTAGAGAATAAA AGGAGAGGCAGTACTTGAAAGATAACACAATTTTACAA ATTTGTTGGAAAAACATGAATTCATAAATTCAGGAAGCA CAATATATACCCCAACATATATTTAAATAAAATCCAGGCCT AGACTCA
418	ADXCR1H.2331.C1_x_at	G3BP2	Sense	GTPase activating protein (SH3 domain) binding protein 2 [Source:HGNC Symbol;Acc:30291]	418	TTCCCCCTTTGAATGAGGTCTTCCATGTTTGAGGGAAAG TCTTGCACTATTGCATATATTTGGGACACAGATTTTCA TAGTTCCATTTTGGGGGCTTAAGGANNNNNNNNN NCTGTTTGAACAGTTTATACTTTCTGATATAGTACTTG AAATTCCTACCAGAAAATTACTTTGGAGTTTTGAAGCCTT TATTAATACTACTTTTAAAGAAGCAGTTGTTTTATTGTCA ATGTTTTTTTCCCCCAGCATAATTTTCTTGATTTTC
419	ADXCRA_D_AL583362_s_at	BUB3	Sense	budding uninhibited by benzimidazoles 3 homolog (yeast) [Source:HGNC Symbol;Acc:1151]	419	TGAGATGTTTGATGTTTGCTGCATTAAAGGTATTTGG GCAAAACAAAATTGGAGGGCAAGTGACTGCAGT

FIG. 7-109

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420	ADXCRESS .Hs#S775 346_at	NR6A1	AntiSense	nuclear receptor subfamily 6, group A, member 1 [Source:HGNC Symbol;Acc:7985]	420	TACTAACTTTCCTGCACATAAACCAACCAAGTCTGTCTCCT CTGCAATGTAGTTCCTGATGGCTCCGGTTTTTCCCCC CACCTTTTATTTGAAGCCTGACTTGCAGGAGATACCC CTCTAACTGTATAGCTTCTACTCTCAATTAAGATTAGTCA GAGATGGTAATCAACCCACCTGAGCTCTTTCACTACCTG CTGCTGCAACTATGTGAGGATAAGGGGAGCACACTCA CACTTCAGGCCTTCAAGTCTGTTCAGTTACTTTT
421	ADXCRA G_NM_00 2526_at	NT5E	Sense	5'-nucleotidase, ecto (CD73) [Source:HGNC Symbol;Acc:8021]	421	CTTTGAACCCACTTTTGCAATTGTAGATTCCCAACAATAAA ATTGAAGA
422	ADXCRA G_NM_14 5754_s_at	KIFC2	Sense	kinesin family member C2 [Source:HGNC Symbol;Acc:29530]	422	GGACTAGGAAGGCTATTCAGGGCTCAGCCCTGCTCCT GCAGCTTTGCCGCTGAGTGTAGGAAAAACAGGCATGAC AGACCAGGTGAGGTTGTGCCCCAGCTGGCCACGGC CATGCGTGGGTGGCCCAATAAACACCCGTGGACTCC
423	ADXCRA D.7912.C1 _x_at	MTA2	Sense	metastasis associated 1 family, member 2 [Source:HGNC Symbol;Acc:7411]	423	TTTCTCTTTCTGTCCGGTGTCCGGACTTTCCTAATTGGA GTTTGAGGCCCTAAGCTGGCATCAACCCCAAGCCACG CTCGCTCTTCTCCCTCCCTCCCTCCCTCTGCTTTTG TACGCCAGTTCTCAGAAATAAAGATCTTTGTCCGTTTTT TTAACCTCGGATTCTGTAATTGTTCTTA
424	ADXCRA D.11100.C 1_at	AC068491.1 (Clone_based_ vega_gene)	Sense	non-protein coding RNA 152 (NCRNA00152), transcript variant 2, non-coding RNA [Source:RefSeq DNA;Acc:NR_024205]	424	CCACAGGTAACTTCTCATAAGTGGGGGTGTCTGAGG CCAGGGAGAGCTCTACTCATTCCTGTGTGATCCCAG CAGTGAGCATAGAGCAGGTGCCCTGCAAT

FIG. 7-110

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425	RDCR269 _G02_at	PPP2R2D	Sense	protein phosphatase 2, regulatory subunit B, delta isoform [Source:HGNC Symbol;Acc:23732]	425	CCCCATGCCCTGTGGAGATGGAGGTGTGTGCTGATCC CTCGTCCCCCTGTGGAGATAGAGGTGTGTACTGATCCC CTGTTCCCCCTATCTAGATGAAGGTGTGTACTGCTGATCC CCCGTCC
426	ADXCRP D.15397.C 1_at	THBD	Sense	thrombomodulin [Source:HGNC Symbol;Acc:11784]	426	TTTTGACAGTGTTGAAAATGTTCAGAAAGGTGCTCTAG ATTGAGAGAAAGAGACAAACACCTCCCAGGAGACAGTTC AAGAAAGCTTCAAACCTGCATGATTCATGCCAATTAGCAA TTGACTGTCACGTTCCTTGTCACTGGTAGACCAAATA AAACCAGCTCTACTGCTTGTGGAATTGGAGCTTGG GAATGGATCCTGGAGGATGCCCAATTAGGGCCTAGCCT TAATCAGTCCCTCAGAGATTTCTTC
427	ADXCRP D.7988.C1 _s_at	AL354822.1 (Clone_based_ensembl_gene) /// AC145212.2 (Clone_based_ensembl_gene)	Sense	Putative uncharacterized protein ENSP00000383640 [Source:UniProtKB/TrE MBL;Acc:B7WNX9] /// Known protein coding.	427	CCCACCTGTGTAGTCTTAACTTATTTCTTAACTCAC CATTAACTAAATAATAGTCAAAATTTAGGGGGCTGTAT TTGTCTTACTCGAGTCTTCTACCATAGTTGAAACTGTCG TACCCAAACGAGTTACAGAGAAATGCCACACTTTGAGA CGAATTCAGGAGTCCCTTTATTAGCTGGTGAAGAGAGA CGGCTAACACAGAGAAATACTCTCGGCCCTAAAGAAATGG GCTA

FIG. 7-111

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428	ADXCRAG_X81197_at	ARCN1	Sense	archain 1 [Source:HGNC Symbol;Acc:649]	428	GAAGACGCCAATGATGGCTGAAGAGTTTTTCCAGATTT ACAAGCCACTGGAGACCCCTTTTCTGATACAAATGCAC GATTCTCTGCGCGCAAGGACCCCTCGACTCACCCCATG TTTCAGTGTACAGAGACATTCCTTTGATAAGGAAATGGC ACAAACATAAAGGGAAAGGCTGCTAATTTCTTTGGCAG ATTGATTGGCCAGCAGGAAAGCAAGCTCTCCAGAGAA TGCCCCCAGTTAAATACCTCCTCTACCTTTACCTAAGTT GCTC
429	ADXCRH.2554.C1_s_at	CPEB2	Sense	cytoplasmic polyadenylation element binding protein 2 [Source:HGNC Symbol;Acc:21745]	429	TGATCTGGTCAGTAGTGGAAATTCGATTTTATGCAGACTG GATGTAATATTTGTAATCCCTGTGCAATTTTGTGACGTG CGGTTCTAATTTCATGTGCAGTGATATAGTATAGATAAAA GAATGAGTAAAGAAAATACAAGAAATTCATAAGAAAAGTT GGTTTAGCCCCCTTTGATAGTCCATGGTTAAGACATCCT TTATAAACCAAAGATGGCCAGCACACTG
430	ADXCRPD.5.C1_at	WBP11	Sense	WW domain binding protein 11 [Source:HGNC Symbol;Acc:16461]	430	CAGAAAGAGGGCTCAACTTAGCCAAATATTTTGATGCTGTC AAGAATGCTCAGCATGTGGAAGTGGAGAGTATTCCTTT GCCAGATATGCCACATGCTCCTTCCCAACATTTTGATCCA GGACATTCACACTTCCTGGGTGCCAGCCACCCCTCTATC CTAAAGAAAACCTCAGCCTATGGACCTCCCAACTCGGG CCAGTTTCTATCCTTCCCTCCTTCCCTGGACATGGGGGT TTCCACCCTTTGCCCCCTTGGCAGAAAAACCTCCCTGG GCCT

FIG. 7-112

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431	ADXCRA D_11028.C 1_at	MMP1	AntiSense	matrix metalloproteinase 1 (interstitial collagenase) [Source:HGNC Symbol;Acc:7155]	431	GAGTCCAAGAGAAATGGCCGAGTTTCATGAGCTGCACACG ATGTAAGTTGTACTCTCTGAAATTGTTGGTCCACCTTTC ATCTTCATCAAAATGAGCATCCCCCTCCAAATACCTGG
432	ADXCRA D_BG258 265_at	DOK3	Sense	docking protein 3 [Source:HGNC Symbol;Acc:24583]	432	GAGTCACGAACCTTATTCTCCAAAACAAAAGCAACAAGG ACTTTGACTTCTCAGCAGCACTCAGCTCTGGTTCTTGAA ACACCCCGTTACTTGCTATTCTCCTACCTCATAACAA TCTCCTTCCCAGCCTCTACTGCTGCCCTTCTCTGAGTTCT TCCAGGGTCCCTAGGCTCAGATGTAGTGTAGCTCAACC CTGCTACACAAAGAAATCTTCTGAAAGCCTGTAAAAATGT CCATGCATGTTCTGTGAGTGATCTACCAA
433	ADXCRA D_BQ016 677_at	POLR3A	Sense	polymerase (RNA) III (DNA directed) polypeptide A, 155kDa [Source:HGNC Symbol;Acc:30074]	433	CCGGGGTAGCCATTGGTTCTTGGATCTGTGTTAGAATG AGTGCTTTCCCTTCCCTACTGATGTGATTGTGGATTAGGA ATTCGTGACCGAGTGATTTTGGCCAGTGGTTGGGTTTA AAATTCTATTAAAAATTTGTAGTTTGGGCTGGGTGCT
434	ADXCRA D_BP3766 05_s_at	GLUL	Sense	glutamate-ammonia ligase [Source:HGNC Symbol;Acc:4341]	434	GTGGAGGCCCCATTACCGGGCCCTGCTTGTATGCTGGAGT CAAGATTGCGGGGACTAATGCCGAGGTGATGCCTGCC AGTGGGAATTCAGATTGGACCT

FIG. 7-113

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435	ADXCRP D.11491.C 1_at	ATP2B4	Sense	ATPase, Ca++ transporting, plasma membrane 4 [Source:HGNC Symbol;Acc:817]	435	TTCATTTTCTTCCCCCTCTGCTAGTTTGGAAAGTTATATTA TACCAAGTTTTTTAGTATTAGCCTAGAAATCTTAACATAA AGACTTCTAATAAGCAATATCTTTAATTTTTTTTNCCTAC CCAATACTAGATCATGAGCATTTTCCCACATCATAAAGA ATTGGTCACAAAGTCAGCCCCCAACATAGTCCAGTGGAA TCCAATGATA
436	ADXCRP D.11413.C 1_s_at	C8orf38	Sense	UPF0551 protein C8orf38, mitochondrial Precursor (Putative phytoene synthase) [Source:UniProtKB/Swi ss-Prot;Acc:Q330K2]	436	AAGGCAACACCTTCTGTCAGTAGAATTGCTTTGGATTGTA AATATGTTTTACTTCAGAGGAAATCAGTCAGAGTGGATGG CTCAGCAAAACCCATCACAACTGCGGAAAAAGGAAAGTG ACTGGCTAGAGGTAAGGAAATAGATTTTCTCTAAGTTAA CTGGCCTACGTGTGAATCGAACCCCTGCACCCTGGCCTC ATTAGCACCAACACTGTGAAGAACAGCTGTGCGCAGAGA
437	ADXCRA G_AB0825 33_x_at	SGK269 (Entrez)	Sense	Tyrosine-protein kinase SgK269 (EC 2.7.10.2)(Sugen kinase 269) [Source:UniProtKB/Swi ss-Prot;Acc:Q9H792]	437	TTCACCCCTCTACTTACATATTGTAAAGTTGTATAAATCT ATCATTGAAAGTCCCTCTGCCAGCAGTGTGCCACC CTTTGGTTTGCTGTGGTACTTTGCTGTGTACTCCGTGGC ATCATGTTACTGTGTA
438	ADXCRP D.7912.C1 _at	MTA2	Sense	metastasis associated 1 family, member 2 [Source:HGNC Symbol;Acc:7411]	438	TTTCTCTTTCTGTCCGGTGTCCGGACTTTCCTAATTGGA GTTTGAGGCCCTTAAGCTGGCATCAAC

FIG. 7-114

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439	ADXCRP Hs#S192 4022_at	N/A	No Genome match	N/A	439	TACAAAGAGTACCACGAGACACGAGAAACC TTGTGGGA ACACAGGGGACACCCCTAAGGCTAAATACTACTTG GTGACCGATAGCGAACAGTACCGTGAGGGAAGGTGA AAAGAACCCCGAGAGGGAGTGAAAAAGAAATCTGAAAC CTAGTGTTTACAAAGCAGCGAAAAATGCCACAAGCCATGA ATCGTGTACTTTTTGTAGAACGGGCCAGCGAGTTATGAC AAAA
440	ADXCRP D.11083.C 1_at	DSP	Sense	desmoplakin [Source:HGNC Symbol; Acc:3052]	440	TCTCTCCGAGGTCGAGGCCCTGAGCGGCAGTTACTC CAGGAACAGGAAAGTGTCAAACAAGCTCAGTTGAGGAA TGAGCATTTCCAGAAAGCGATAGAAATATAAAGCAGAA GCTTAAGTGAAAGCAAAATACGAAATTGAGAGGCTGCA GTCTCTCACAGAGAACCTGACCAAGGAGCAGCTTGATGT TAGAAGAAGAACTGCGGAACCTGAGGCTGGAGTACGAT GACCTGAGGAGAGACGAAACGAGCCCCACAGC
441	ADXCRP DRC.1676 1.C1_at	PER1	Sense	period homolog 1 (Drosophila) [Source:HGNC Symbol; Acc:8845]	441	CATAGCCAAGGCTTCAAGCTCTCAGGACTTGGCTATGG AGGAGGACGAAGAAGCGAGAGCTCATCCAGTCCAGC CTTACCTACAGCAGGAAACTGCACCAGCTAGACTCCAT TCTGGGACCATCTCCAGGAGTCCATGAGAGGCTTTCCT CTCCTATGTCCCAATTCTCAGAACTCAGATGTGGCTAGA CCAACCCCTGGGAAACTGCCCCAGCTTCTCCCACCATA GGGGCCGGACCCCCATCACCAGCCTAGATCCAGGGCT GCCTC

FIG. 7-115

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442	ADXCRP DRC.3805 .C1_s_at	JUN	Sense	jun oncogene [Source:HGNC Symbol;Acc:6204]	442	AAC TTGTGCGCGCAGCCAAACTAACCTCACGTGAAGT GACGACTGTTCTATGACTGCAAGATGAAACGACCT TCTATGACGATGCCCTCAACGCCCTCGTTCCTCCCGTCC GAGAGCGGACCTTATGGCTACAGTAACCCCAAGATCCT GAAA
443	ADXCRA D_BQ673 982_s_at	C9orf3	Sense	Aminopeptidase O (AP- O)(EC 3.4.11.-) [Source:UniProtKB/Swi ss-Prot;Acc:Q8N6M6]	443	GTTTGGAGATCATACACTGTTACAGAGAAAGAGAGGAG GCATATTATNAACGTGTGGACTTCAGTGTATTCCCTTCT CTTCAAAATGATGTTCCAGGTGTCTA
444	ADXCRP D.9576.C1 _x_at	PICK1	Sense	protein interacting with PRKCA 1 [Source:HGNC Symbol;Acc:9394]	444	CTCGGCGGCCCTTTATTATTCTGTTCCCCAGCTCGGC CACTTCTCTGAAGGAGGGCTGGGTTCTGGGCCTGTATC GAATAAACACACAAACCTGGATGGCGC
445	ADXCRP D.18146.C 1_s_at	SERPINE1	Sense	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1 [Source:HGNC Symbol;Acc:8583]	445	GGAGGATGTCAGGCGTCACCAACAACCCCATCACCCA GTAACAAGAACCTTGACTCTCGTCAGTCCCTCTGCATCA AGACACTTACCCATTTCACACCTCATGCCTGCTAACTTG AATGAAACAATCGCTGGGAAAGCATTAA

FIG. 7-116

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446	ADXCRESS .Hs#S297 8758_at	FND3B	Sense	fibronectin type III domain containing 3B [Source:HGNC Symbol;Acc:24670]	446	ATGTGAGAGTGCTTTGCAGTTGGAAAGTGCTGTAGGAA CCCTGAATTCATCTGAAACTGTAGCTTAGTGTTAAATG ATGCTGTTATTACTTTTTTGAATAGTCTGGAGTGCTTGT TAAAGAAAAAATTATTCTGTGATATTTGTTGAATGAAGCA CAGTGAGGAAGACTTTACTCAGGGCCCTTGTAATAGCT ATAGGACCACCTGCAATAGGGTCTTGCAGTGGGGAGA GAGAAATAGGCTCAATTCTGAATACATCATCATGGGCAAG TGGG
447	ADXCRA D_BX0942 82_at	GGCX	Sense	gamma-glutamyl carboxylase [Source:HGNC Symbol;Acc:4247]	447	TCTAAAGCTGTTTTTAACTCCGAGATTACAACCTTAGAGG AACCAAGGA
448	ADXCRA D_AA1795 10_at	N/A	No Transcript match	N/A	448	AAATTGAAGGATTTGCTGTTATTCTACCTGCATTGGAC TTGACCTGGGTGTTGGTGAGTAGCAATCTGTTACTGTT TCTCTATGTGGACGATGAGGAAAGGGTTGAGAAATCCA GCGAAAGGACACTTCTGTTAATAGCTCAATCTGCTGCC ATGGTTGGGAAA
449	ADXCRA G_AJ2707 78_s_at	TCF7L2	Sense	transcription factor 7- like 2 (T-cell specific, HMG-box) [Source:HGNC Symbol;Acc:11641]	449	TTTTTCTGTATGAAACCCAGATGTCACCAATGGACATT AATAGTTGCATTAAGGATCAGTAGCATTAAACAAAAGTTG CTTTAAAGCCATTATGTAAATCAAGACTTGAAAATGAGT GAGGGAATTTAGCGACACTGTCTGAGCA

FIG. 7-117

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450	ADXCRA D_AW771 618_at	PRPF40A	AntiSense	PRP40 pre-mRNA processing factor 40 homolog A (S. cerevisiae) [Source:HGNC Symbol;Acc:16463]	450	TGAATCCCAACTTCCGAGATGTTGTTTAAATGAGACTC ACCCTTATTTTCAATTCTTCCTTCATTTCTCCCTCTTA ACTGGTTTCCTCTTACCCAAGAAAAGCCTTTCTCTTAAC TGCAAGCTTATTTGAATTTTACCTTATTGAATATCTTTCA ACTATTTGGCAGACCTTTAACTTTCCCTACCATGCCAAT GGTCACTAAACACCTTAAATGCCACTCTTAACACCTTAA ATGCCACCCTTAACAGTATTCTTTTCAGTCCTCATTTC
451	ADXCRA D_BQ898 896_s_at	ARHGAP4	Sense	Rho GTPase activating protein 4 [Source:HGNC Symbol;Acc:674]	451	TGTCCAGCAAGTGCAGGGTGCCTGCACCTTCACCCCTGTG CAGAGAGGTGGATGGGCCCGTGCACACAGGGATGCC CGCTCCACATCCTGCCTGCCCTCAGCCCTGGCCAG GCCCCTTTGGAGGCAGCTGAGGAAGGATGCTGGGGA AAGCCCTCTTCTGCAGCTTTGTGAAGGCTGATCAGTG GCTGCTGGTGCGGGTACCCCTTGTCTCAGATGCCTGG CAGGGCTGGGTGGCGATTTCATAAAGACCTCGTGTGAT TCCCC
452	ADXCRP D.9582.C1 _s_at	SESN2	Sense	sestrin 2 [Source:HGNC Symbol;Acc:20746]	452	CAGGAGAGAAGAGGCCCGGCATGGGGATCTGGGTTC TAGAGGGCATGTGATGACTGTAAATGTTCACTGGGTGG GTAGGGAGTGGTATCCAGTGTTCAAAGTGCAGAAATCTTT GGCTTTGCTACCCAGTTCATATGA
453	ADXCRA D_AW661 890_at	TFAM	AntiSense	transcription factor A, mitochondrial [Source:HGNC Symbol;Acc:11741]	453	GGTTAATCTTTGTTACTAGCCCTCAGTCTCAGAAATTGG TGAGACCTCTCCATTTCTGCTTCACTCAGCTTACGTGGT TTGCTCACACTGACACCAACAAACACCTGTCAATCCCTA TGTCCTCCTGTCTTCCAAAAATACCTAGAAATTGCTGC TCTATTGACGGTAGTATTTC

FIG. 7-118

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454	ADXCRA D_AA8308 54_s_at	RNF145	AntiSense	ring finger protein 145 [Source:HGNC Symbol;Acc:20853]	454	GCTCTAAAGTTATGAACCTGACATTCTTGGTCTTACAC AATCTGGACCCAGTCTACTCTTCTATAACCATCTTCCAC TTAATTTACAAATCTTTATTAAAGGCACAGGTACTCCTACT TATCCCCTATTGCCCTCTCTCATGCTGAATCAATCATGCC AAAGCTAAGAAAACATGAGCATGCTTGGGACTAAAGAA ACAGAACTGAGGATTTCTTACACATCCTAACTGCAAGGA CAGTCCATCAAAAGCCAGAGA
455	ADXCRA D_CB9973 64_s_at	FLT1	Sense	fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor) [Source:HGNC Symbol;Acc:3763]	455	GGAAGCTTTAGCTACCAATCCAGTACCCCTCCTAACTAGA ATGTATACACATCAGCCAGGACTGACTGACTACTTCATT AGAGATATACTGTACTCATTGGG
456	ADXCRA D_CX1658 54_s_at	Z83843.1 (Clone_based_ ensembl_gene)	Sense	Novel long non coding RNA.	456	TACCTGTGGTTCAGGTACCTGGAGGGCTGACGTAGGA GGATTGCCTGAGCCCAGCAGGCCAAAGCTACAGTGAG CTGTGATTGTGCCACTGCACTCCAGCCTGGCGAGGAG AGCAAGACTCTGTCTCANAAATAAATACATAAAATACAG CGTCCAAAAGTGTGCATCTTCTTTCTTTCACAAATTTA TAATAAGGGGTAAATGCCTGTGAGTCTATTTCATTAT
457	ADXCRA D_BM128 089_at	APOL2	Sense	apolipoprotein L, 2 [Source:HGNC Symbol;Acc:619]	457	CTTTGGACTAAAGAATATATTGGGCGAAGAATAGAGGG

FIG. 7-119

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458	ADXCRP D.BX1061 90_at	ZFAND3	Sense	zinc finger, AN1-type domain 3 [Source:HGNC Symbol;Acc:18019]	458	TTCTGCTTTTCTGTTCCCTATCCTTACGCAGGATTGTTT TACTGTTAGCCAGGTTAAGTTTAAGCTTCTTGAGGACTT TAGTACTGAAAGACAAATGGCTCAGCTTGTAAAGACCTAGTT GAAGAGTACAGATTAGATTTGTTTCAGTGTGCTGTG
459	ADXCRP D.2974.C1 _s_at	LRRFIP2	Sense	leucine rich repeat (in FLII) interacting protein 2 [Source:HGNC Symbol;Acc:6703]	459	AACATATGTGTAGTGTGCTGCAGCATAAGATGGAAGAA CTTAAAGAAAGGCCTGCGGCAAGAGATGAGCTTATTGA GAAACATGGCTTAGTTATAATCCCCGATGGCAGCTCCCAA TGGTGATGTCAGTCATGAACCAGTGGCTGGAGGCCATCA CTG
460	ADXCRP.H. 638.C2_at	CEACAM6	AntiSense	carcinoembryonic antigen-related cell adhesion molecule 6 (non-specific cross reacting antigen) [Source:HGNC Symbol;Acc:1818]	460	AAGCTTTTAGAGAAATACACTACACCAGGGAGTATGACTA CTAGTATGACTATTAGGAGGGTAAATACCAAGAGTTGGAC TACGCACCTTAGGCAAGATACAAACCAACTAAATAGAA TAAAGAAATGAGTCAGATGAGTGTAGCCATTTTAACCAAG CAGCACATTTGTTAATTTCTACAACTTAGTCTCAGCGATA CCCATTGTATTAGCCATGTTCAACAACAAGTGTGAGAA ACTGCACAGACTCCTCCCTGTTTCAGCTGGTAG
461	ADXCRP D.14645.C 1_s_at	RERE	AntiSense	arginine-glutamic acid dipeptide (RE) repeats [Source:HGNC Symbol;Acc:9965]	461	CTTTGTCCGCTGTCATGATTGCCACGTCCTTCTTCTG TCCTCTCACGGCTAGGCCCTCCAGTGAAAGGTAGACAGT AAGCCTGGGCATTGAGTCTTCTGAAATTTCTCACATCAAT TCCAGGGGAAATCCAAACCACTCCCAACA

FIG. 7-120

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462	ADXCRP D.12819.C 1_at	SMURF2	Sense	SMAD specific E3 ubiquitin protein ligase 2 [Source:HGNC Symbol;Acc:16809]	462	ATCCAGCAAGGAATAGTGCAGCACCTAGGGACTAGCAA TGATAGGAAGTTGCACCATATTTGGCCCCAGCAAGGGCA AAGGAGAGAGTAGTTGTGGAGTCCAGAGAGACCCCT GGTTGTTGCTTCTCATTTATTGAACCCGATTTAAAGCCA GAGAACAAAGAGCCAGTTTATGTAGTACATGACGCAG CCTCCTAGGCACAGGGTAAAGGATGGAGAATAGATCTG GAGGATTAAATAGTAACAACAACGCGCGAGATCCTCTAA GTC
463	ADXCRP D.1255.C1 _s_at	CCDC90A	Sense	coiled-coil domain containing 90A [Source:HGNC Symbol;Acc:21097]	463	TTGAGAACAGAAATAGTGGCATTGCATGCCCCAGCAAGA TCGGGCCCTTACCCAGACAGACAGGAAGATCGAAACTG AGGTTGCTGGCC
464	ADXCRP D.18183.C 1_at	RAB11A	Sense	RAB11A, member RAS oncogene family [Source:HGNC Symbol;Acc:9760]	464	TATTTCTTATGCTGTCAGATTACATTTTTTCCCTTTGAGTGC TTTGGGTGCAGCCGTGGAATCCTGTATGTAAAAGCATAG GTTCTTGCACTTACTGAGTAAACAT
465	ADXCRA D_BM128 089_x_at	APOL2	Sense	apolipoprotein L, 2 [Source:HGNC Symbol;Acc:619]	465	GCAGATGGCAAGTGCACCAAGGAGAGGAGGAGAACAC TGAGCCTGCAATAAGGAGGAGAGGGGACTGGAGAG TGTTGGGAATGGGAAGAAGTAGTTTACTTTGGACTAAA GAATATATTGGCGAAGAAATAGAGGGGAGCTTGCAGG AACCAGCAATGAGAAAGGCCAGGAAAAGAAAGAGCTGAA AATGGAGAAAACCAGAGTTAGAACTGTTGGATA

FIG. 7-121

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466	ADXCRS .Hs#S300 7624_x_at	CTBP2	AntiSense	C-terminal binding protein 2 [Source:HGNC Symbol;Acc:2495]	466	CACCCCTTCTTGACCACAAAAAGGTGGCCATCCTGACTG GTCTCTACCTTCAGGAAAAACAATGGGACCTGAGGGC GCTCAACCCACCCAGACCACCCAGAGTACACAGGAGCA CGGAACAGGAAGCAGGGAGACACACAGTAAAGCAC ATGGCAAGCACACAGTAAACACACACGGCAAGTACATGGC AAATACACAGCAGGTACACACAGCGAGCACACAGTAAGCA CACGGTAAACACTCAGCAAGTACATGGCAAAATGCACAG CAGGTACACAGCGAGC
467	ADXCRA D_AK0243 15_x_at	WDR45	Sense	WD repeat domain 45 [Source:HGNC Symbol;Acc:28912]	467	CCCGGGCCAGGCAAGGTGGGTACACCTGTAATCCCA GCACTTTGGGAAACAAGGTGGGAGAAATCACTTGAGTCC GGCAGTTTGAGACCAGCCTGGCCAAACATAATGAGACCG CATCTTCACAAAAAATATGT
468	ADXCRP D.9576.C1 _at	PICK1	Sense	protein interacting with PRKCA 1 [Source:HGNC Symbol;Acc:9394]	468	AGCTCGGCCACTTCTCTGAAGGAGGGCTGGGTTCTGG GCCTGTATCGAATAAACACAAACCT
469	ADXCRP D.4701.C2 _s_at	GBP1	Sense	guanylate binding protein 1, interferon- inducible, 67kDa [Source:HGNC Symbol;Acc:4182]	469	ACTTCAGGAACAGGAGCAACTACTAAAAAGAGGATTTC AAAAAGAAAGCAGAAATAATGAAAAATGAGATACAGGATC TCCAGACGAAATGAGACGACGACGAAAGGCATGTACCATA AGCTAAAGACCAGAGCCTTCCTGTACCCCTAACCAAG GCATAATTGAACAATTTAGAAATTTGGAACAAGCGTCA CTACATTTGATAATAATTAGATCTTGCATCATACACCAA AAGTTTATAAAGGCATGTGGTACAAATGATCAAAA

FIG. 7-122

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470	ADXCRA D_BF7268 49_x_at	TLCD2	Antisense	TLC domain containing 2 [Source: HGNC Symbol; Acc:33522]	470	GCCCAGCCTGGATATTTAAATTGTTCTGTGCTCTCCTCC TTTTTTTCTCTCTGTGATTCTCTTTGTGACGCTCCTTTGC CTATATTTGCATCTCAGTTGACACCCCTGATTCTGACTT GTCCTTATCTTCTACCAAGTCTCTGCCGA
471	ADXCRP D.13978.C 1_s_at	PEX5	Sense	peroxisomal biogenesis factor 5 [Source:HGNC Symbol;Acc:9719]	471	GTAGGAGTGCTCATGGTTCTGTGTCATTCTTGGACCTCTCC TGGCTGAGCTCTGATTCCCTGTGAGCACGATGCTGATG CAATAGTCCTGTGTCACTCACTGCAGCGGTCTCAGGAG CTGCCAGGGCCAAATTGCTACAGAGTGCTGGGTGTGTG GCATAGGAGGAAGGTTTGCTTGTGAATGAGGCT
472	ADXCRIH. 928.C1_s_ at	SORD	Sense	sorbitol dehydrogenase [Source:HGNC Symbol;Acc:11184]	472	ATCTACGCCACTCGCTCTGGTGGGACCCCTCGTCTTGT GGGCTGGGCTCTGAGATGACCACCGTACCCCTACTG CATGCAGCCATCCGGGAGGTGGATATCAAGGGCGTGT TCGATACTGCAACACGTGCCAGTGCGGATTTTCGATGC TTGCGTCCAAAGTCTGTGAATGTAAACCCCTCGTCACC CATAGGTTTCCCTCTGGAGAAAGCTCTGGAGGCCCTTTGA AACATTTA
473	ADXCRP D.1593.C1 _s_at	LCP1	Sense	lymphocyte cytosolic protein 1 (L-plastin) [Source:HGNC Symbol;Acc:6528]	473	GAAGTAAGCCTCATCATCAGAGCCCTTTCCTCAAACTGG AGTCCCAAATGTATCAGGNNNNNNNNNNNNNNNCAGCCA CTAAGAACCCCTCTGCTTTAACTCTAGAATTTGGGCTT GGACCAGATCTAACATCTTGAATACTCTGCCCTCTAGAG CCTTCAGCCCTTAATGGAAGGT
474	ADXCRP D.9621.C1 _at	C9orf7	Sense	Calcium channel flower homolog [Source:UniProtKB/Swi ss-Prot;Acc:Q9UGQ2]	474	TAAAGCGTGGCCGTGGCTCGCGTGCCTGCCATCT

FIG. 7-123

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475	ADXCRA G_NM_02 0384_at	CLDN2	Sense	claudin 2 [Source:HGNC Symbol;Acc:2041]	475	AAGTCCTCCTCAGGCTTGAGAACTTCCTCAGCGTCAC CTCCTTCATTGAGCCCTCTCTGATCACTCCATCCCTCTC CTACCCCTCCCTCCCCAACCCCTCAATGTATAAATTGCT TCTTGATGCTTAGCATTACAAATTTTGGATTGATCGTTAT TTGTGTGTGTGTCGATCTCACAAAGTATATTGTAAC CCTTCGGTGGTGGGGCCCATATCCTAGACCTCTCTGT ATCCCCAGACTATCTGTAAACAGTGCCAGGCACAC
476	ADXCRA D_BP3323 15_x_at	SSR3	Sense	signal sequence receptor, gamma (translocon-associated protein gamma) [Source:HGNC Symbol;Acc:11325]	476	TCACTGTAAGGTACAGTTAGGGTAACACTTTAGAGGTTT ATTATTTTAAAAAATTTTCTTGAACCTCCTGGCCAGCAT GGTGAACCCCGTCTCTACTAAAAATACCAAAATTAGCC AGCGTGATGGTGGTGCCCTGTGATCTCAGCTACTTGG GAGGCTGAAGCAGGAGAACTGCCCTGAACCCAGGAGGC GGAGTTGCAGTGAGTCGAGATCGTGCTACTACTGCCT GGTGGCAAGGGT
477	ADXCRP D.9270.C1 _at	TRIM2	Sense	tripartite motif- containing 2 [Source:HGNC Symbol;Acc:15974]	477	TGCCATTTTCCAAGAATGACGGTGGTGGCTTTTAGTCAG AAAATGGCCCTTCTGTGCT
478	ADXCRP DRC.1555 1.C1_s_at	EPHB4	Sense	EPH receptor B4 [Source:HGNC Symbol;Acc:3395]	478	GGAGAGAAGCAGAATATTCGGACAAACACGGACAGTAT CTCATCGGACATGTACTAAGGTCTACATCGACCCCTT CACTTATGAAGACCCCTAATGAGGCTGTGAGGGAATTG CAAAAGAGATCGATGTCTCTCTACGTCAAGATTGAAGAG G

FIG. 7-124

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479	ADXCR1H. 1483.C1_s _at	AES	Sense	amino-terminal enhancer of split [Source:HGNC Symbol;Acc:307]	479	AGTGCCCCCTTTCCCGTCTCTGGGCACCCCCGAGTCTCCC CCGACCCCCGGTCCCAGGTATGCTCCCACCTCCACCT GCCCCACTCACCACTCTGCTAGTTCCAGACACCTCCA CGCCACCTGGTCTCTCCCATCGCCACAAAAGGGG GGCACGAGGACGAGCTTAGCTGAGCTGGGAGGAGC AGGGTGAGGGTGGCGACCCAGGATTCCCCCTCCCCT TCCCAATAAAGATGAGGGTACT
480	ADXCRA D_BG179 551_x_at	IL17RC	Sense	cysteine-rich with EGF- like domains 1 [Source:HGNC Symbol;Acc:14630] /// interleukin 17 receptor C [Source:HGNC Symbol;Acc:18358]	480	AGCGAGCAAGTGTCCTCCGGGCCCTTCAGCCAGCCCTGG ATAGCTACTTCCATCCCCCGGGGACTCCCCGCGCCGGG ACGCGGGTGGGACCAAGGTGCGGGACCTGGGCGGGG CGACGGGACTTAATAAAGGCAGACGCTGTTTTCTACC CAAAAA
481	ADXCPR D.8757.C1 _at	FAM83G	Sense	family with sequence similarity 83, member G [Source:HGNC Symbol;Acc:32554]	481	AGATGTGCACAAACAGAGCCCCCGGTACAGGTCCAG CTCGGAGGGAGAGAGCCTTGTGTGGGCTGTTATTCC CAGGGCTCCAGCAAGCCACTCCCTGGGTGACCTCCGG CAAGGCCCTCTCTGGGCTCGGTGGCCTGTGGATAAG GAGGGAGACCCCACTCGCCTGCCTGCCTGCATCAC GGGGCCATTGTAGGTTGGGGGAAGACCTGGCCGTGG AGCTACAAGCTTGTGCGGATGTGAGGGGACATTACTGT TGCTAATAAAGTCCAAAGTGGCCAATGCCTT

FIG. 7-125

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482	ADXCRA G_NM_00 0937_s_at	POLR2A	Sense	polymerase (RNA) II (DNA directed) polypeptide A, 220kDa [Source:HGNC Symbol;Acc:9187]	482	CGGTGAACCTTCTGGATCCCGTTTCTGATGCAGATTCTTG TCTTGTTCTCCACTTGCTGTAGAACTCACTGGCCCA GTGGTGTCTACCTCTACCCACCCACCCCTGCCTG TCCCCAATTGAAGATCCTTCTTGCCTGTGGCTTGATG CGGGCGGGTAAAGGGTATTTTAACTTAGGGGTAGTTC CTGCTGTGAGTGGTTACAGCTGATCCTCGGGAAGAACA AAGCTAAAGCTGCCTTT
483	ADXCRA D.8320.C1 _at	GRIN2D	Sense	glutamate receptor, ionotropic, N-methyl D- aspartate 2D [Source:HGNC Symbol;Acc:4588]	483	GCGATGAACCCCAACCTCCCTGAAGCCAAACCTTCCAC CCTGCCGCACACTCCGGACCACCCACTTGCCACCAAG CACATCCTCTCCAAATCCAACCTTATTTGCGACCCCTC AGTGATGACCCAGCAGACCTCCAAAAGCCCTCCTCTGC CCAGATCTCCAGCCGGTCTGGGCTGGGTTCGGGAG GGGAGGGTCTGGGAGTCCACACTTCTCCACCAACTCC CTCCCACTCTCTTATTCCACATTGCAGTGTGGAATA AACC
484	ADXCRA D_AK0218 12_s_at	RASA1	Sense	RAS p21 protein activator (GTPase activating protein) 1 [Source:HGNC Symbol;Acc:9871]	484	TGTCCTGGGCACCGTAGCGAGACTCTGCTTCTACAA
485	ADXCRA D_AU1339 80_at	SLC20A2	Sense	solute carrier family 20 (phosphate transporter), member 2 [Source:HGNC Symbol;Acc:10947]	485	GCAGGCAGTAAGAAGCAGGGATTTCTTCAAATGCTAGT AAGCACAAAGAGAGGGAGAAAGTTTTGTAAAGTAACGAA CAGGCCCGGCATGTGTGCGTGAGAGGCCGAGGT

FIG. 7-126

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486	ADXCRRS .Hs#S300 3228_at	C6orf203	Sense	Uncharacterized protein C6orf203 [Source:UniProtKB/Swi ss-Prot;Acc:Q9P0P8]	486	GAGCACCAGATCCTATAGAGCCCTTTAGACCATCGTAGA GACTTTGCTTTTCTCTGAGTGCTTTGGTAGGGATTTGAG GAAAGAGTGACATCGTATGAATGACTTTATTATGTGCC CACGTGGAGGTGTCAAATAGGCAGCTATTGTGTGCAG GTCCCAGGTTTCATTGATTACCTAAGAGGACTCAAAAGA CTCAGCACGTAGTCTACTACACAGCTGTGATTTATTATC GCACAA
487	ADXCRRP D.7046.C1 _at	MED28	Sense	mediator complex subunit 28 [Source:HGNC Symbol;Acc:24628]	487	CAGATTCCTTTTTTATGGTGGCTTTGCTTGTTTAAATTTT GCATGACTTTTTCATCTTTTATGTGTGTTTCTCTGTAGTTT GATCCGAAGGAAAGAGATAGTAGCCTGAGAATCAGG AGATGGAGTTTTAGTCGTAGGCCCTTATGATAATTACCC CGCGTGCTGTAGAAAGTATGTAAATTTGCTCTGTT TTAAGACTTTGAACCTACCTCAAGAAGAGG
488	ADXCRRP D.12748.C 1_x_at	AC138128.1 (Clone_based_ ensembl_gene)	Sense	Novel long non-coding RNA.	488	GTGGAGAAGTTGGCGTCTTAGCTGGGATTGGTCG GGGACCTTAAAGAAAAAGCCAGGCTGAGGGTCCT GAGGAGAGAGAGAGAGGCCACGCTGGATGGAGGACTGT CACCCCTTCTCGTTCTGTACCCCTTGAGTCTAACT CACTGTTGAGGGAGGAAGAGGGGGATGGACGGAAG GGAGACCGAGGAAAGGCTTTCGGGAGTGGGACATTAT CCACCCAGAGGTGTGCTACCCACAACCCACCGGAGATC CTTAGAGT
489	ADXCRA G_AB0133 84_s_at	HIP1R	Sense	huntingtin interacting protein 1 related [Source:HGNC Symbol;Acc:18415]	489	CTGTGCTCTGGAAGGCTACCAATACTGGCCAAGGTC AGGAGGAGCAAAATGAGCCAGCACCGCCCTTGGC TTTGTGTAGCATTTCTCCTCTGAAAGTGTCTGTT

FIG. 7-127

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490	ADXCRA D_BI2234 41_s_at	PRPF8	Sense	PRP8 pre-mRNA processing factor 8 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:17340]	490	GCTACAGCTGGCGAACCCTCAAGAGTTCTACCACGAGG TGCACAGGCCCTCTCACTTCTCACTCACTTCTCCTCTG AGGAGGGGAGGTTTACTCTCGGATCGGGAGGACCT GTATGCCTGACCGTTTCCCT
491	ADXCRA D.6.C2_s_ at	OS9	Sense	osteosarcoma amplified 9, endoplasmic reticulum lectin [Source:HGNC Symbol;Acc:16994]	491	GGGAAGCCAAATATAGGCCAAGAGCAGCCTGTGGATGA TGCTGCAGAGTCCCTCAGAGGGAACCCAGAGAAAGGA
492	ADXCRA DRC.3178 .C1_s_at	POLR2A	Sense	polymerase (RNA) II (DNA directed) polypeptide A, 220kDa [Source:HGNC Symbol;Acc:9187]	492	TACATCCCTTCAACAGGTGGTCCATGTCTCCAGCTA CTGCCAACGTCACTGCCTACGAGCCCCGCTCTCCTG GGGGCTACACACCCAGAGTCCCTCTTATTTCCCCACT TCACCTCTACTCCCTACCTCTCCATCCTATTCTCCA ACCAAGTCCCAACTATAGTCCCACTCACCAGCTATTCTG CCAACGTCA
493	ADXCRA D_BM675 236_at	PLEKHG3	Sense	pleckstrin homology domain containing, family G (with RhoGef domain) member 3 [Source:HGNC Symbol;Acc:20364]	493	GAAGAGGATTGAGGTGAGCTAGGGGACCCCTGGCTC CCTCCGATAGGCAGGAAGGAGGAGGATGCGGAGGAG AGGCTGAGCCTTCCACGGGCTCCTGTTAGGGGTGTG GTGAGGCCAGGTTGGGAGGGAAGCCTAAGGACCCCT CCACACCTCCACAGCCAGAGTCAGTTGAGGCTGGGA CAAAGGGGAAGGAGAGGGAAGGAGGACCGCCTGAC CTTGCCCAAGAGGAGCTTCTCTAAACTGC

FIG. 7-128

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494	ADXCRA D_9019.C1 _at	BMIPR1A	AntiSense	bone morphogenetic protein receptor, type IA [Source:HGNC Symbol;Acc:1076]	494	GTAAGGAGTGGTGATTGCAAAATAAAGCACATTATAC ACAA
495	ADXCRIH. 2173.C1_a t	IL32	AntiSense	interleukin 32 [Source:HGNC Symbol;Acc:16830]	495	TGCTGCTCCTCATAATAAGCCGCCACTGTCTCCAGGTA GCCCTCTTTGAAGTCGTCTCCAGCTCTGCCAGGCTCG ACATCACCTGTCCACGTCCTGATTCTGCATTTTGCATTT TATCATAAAATCTTTCTATGGCCTGGTGCAATTCGGCCT TCAGCTTCTTCATGTCATCAGAGAGGACCTTCGGGAAG CACATGGCGGCCAAAAGTTCAAGGAGCCCAAGGCCTGA GATGACCCAGCTCCAAAGGA
496	ADXCRA D_AA5273 40_at	RP11- 357H14.7 (Clone_based_ vega_gene)	Sense	Novel processed transcript.	496	TCCCCAACAAACACACGCGTCTCTTCCACCTACGTAG GATCTGTGAAACAGGCTCAGTGCCCTTTGAGGGAGGAGG GAACGTTTAGATTGAGACCACTCCCGGTGATT AAATAAATATGTCTCTCCCCACCCACGCAGGATTGG AAAAAGTTAATTGTGGTTTCAGAAAAAGTTAACCCCTGCG TTGCTTCGACCCCTTCTCTCCAGGGAAGGTTGGGTAA ATGTCTACGAATCGCCTTGAGAGAGAACTAAAG
497	ADXCRA D_NM_01 4985_at	CEP152	Sense	centrosomal protein 152kDa [Source:HGNC Symbol;Acc:29298]	497	TACACAGTTTCCAATTAAGTAGGCAGACTGAGCATGCC CATCAGTTTCCATTATTGCTGCTTCCATCCCTCGAAATGAT AGAAAAAGATTTTAAACAGCAATAAAGAATGAGAAAAAG AAGAAATTATAAGTGGGTTTAAAAAAGTTGCAGTGGGCC AGGCATCATGGCTC

FIG. 7-129

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498	ADXCRP D.10945.C 1_at	AMAC1L1	Sense	acyl-malonyl condensing enzyme 1- like 1 [Source:HGNC Symbol;Acc:31043]	498	TGCCCCGATCACACAGGAGTATGCCCAAACTCTCTCAGG CCTCTAGCAGCTGACAACCACCTGCTTTAAATCCCCTATTA CATTATTATGA
499	ADXCRA D_BU0730 65_s_at	PNMA2	Sense	paraneoplastic antigen MA2 [Source:HGNC Symbol;Acc:9159]	499	CCTGGGGCAGGACCCACAGCCAGTGGGCTAAGACCT TTAAAAATTTTTTCTTTAATGTATGGGACTGAAATCAA ACCATGAAAGCCAAATTATTGACCTTCCTTCCTCCTTCC TTCCTCCCTTCCCTCCTCTCTCCTCCTCTCTCCTCCTCTCT CCTCTCCTCCTCCTCTCTCTCCTCCTCCTCCTCCTCTCTCT CTTTTCTCTTTCTCTTTATTTCTTGGGTCTCACTCTCAT CACCC
500	ADXCRA D_BC0332 51_x_at	RHOQ	Sense	ras homolog gene family, member Q [Source:HGNC Symbol;Acc:17736]	500	TCAAGACGAGCCTGGACAACAACAAGACCCCCCAATT CTACTAAATTTTTTTTAAATTAGCCAGATGTGGTAATG CATGCCCTCTGTAGTCCCAGCTACTCAGGAGGCTGAGGT GGGAGGATCACTTGAGTGCAGGAATTCAAAAGCTGCAGT GAGCTATAATACAAGGCTTCATTGCACCTCCAGCCTAGG CATTAGAGCGAGACCCGTGTTTATTTAAA
501	ADXCRIH. 1424.C1_s _at	TAX1BP1	Sense	Tax1 (human T-cell leukemia virus type I) binding protein 1 [Source:HGNC Symbol;Acc:11575]	501	TTAAGGACAAACTCAAGAAAGGCACAACATGAAAGAGA ACAACTTGAATGTCAGTTGAAGACACAGAGAGGATGAAAA GGAACCTTTATAAGGGTACATTTGAAGAATACAGAAATAG AAAATACCAAGCTTATGTCAGAGGTCCAGACTTTAAAAA ATTTAGATGGGAACAAGAAAGCGTGATTACTCATTTCA AAAAGAGATTGGCAGGCTGCAGTTATGTTTGGCTGAAA GGAAATCTGCAAGACTTTCCTGCTTACAACCTCAAGTAA

FIG. 7-130

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502	ADXCRP D.11691.C 1_s_at	NR6A1	AntiSense	nuclear receptor subfamily 6, group A, member 1 [Source:HGNC Symbol;Acc:7985]	502	CAACATGGACATTTATACTAATAAGGAGGCGCAGAGCGG AATATGTGAGAAAGGTCACACCCTCAGAGCTTGAATCA GCTTACGATGATGAAAGGTAAGCTTTATCACTGATCT CAACAGCAGACTGGTGGC
503	ADXCRH. 3022.C1_s _at	XPC	Sense	xeroderma pigmentosum, complementation group C [Source:HGNC Symbol;Acc:12816]	503	GAGTCAGGCTTACTAATGCTGCCCTCACTGCCTCTTTGC AGTAGGGGAGAGAGCAGAGAAGTACAGGTCATCTGCTG GGATCTAGTTTTCCAAAGTAACATTTTGTGGTGACAGAAG CCT
504	ADXCRP DRC.2277 .C1_at	PPP3CA	Sense	protein phosphatase 3, catalytic subunit, alpha isozyme [Source:HGNC Symbol;Acc:9314]	504	GATCAATCAAGTCTTGGTTGTGGCTTGTGAATTAAT ATTTATGAGTGGTGCAATTTTAAAGTATCGTGACCAAGAC ACCATATTA
505	ADXCRP D.12620.C 1_at	CSNK1A1	Sense	casein kinase 1, alpha 1 [Source:HGNC Symbol;Acc:2451]	505	AATACAGAACTGAGCCTAGGCCAGGGAACCTGGATTGG GGTTAGATCTAAGCAAGATCAGCATGTAAAGTGATAGTG GAGAAAGTAAATGGAGAGGTGAGGACTCATCCCCTTGG TGAAATTCGGAATTAATAAGCAGGAGGAGAGTCAGG ATAATGGGCTGTTGAATAAAGAAAGTAAGTGACAAGGAA GAGGTAATGTGTATCCAAGAAGTAGGAAAGAAATGAGA CTTAAAGCGTAGGGGTTAGGCTGTGTAAGAGCTCAGT ACCCAACAGGTGCTCAGTCAAGTAACTTGAC

FIG. 7-131

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506	ADXCRA G_BC058 002_x_at	MORC3	Sense	MORC family CW-type zinc finger 3 [Source:HGNC Symbol;Acc:23572]	506	TGGATTGCAGTCGCCTGCCACCCGTGCCCGGCTAACTT TTGTATTTTGGTTGAGACAGGGTTTCGCCGTGTTGGCCA GGCTGGTCTAGAACTCCTGACCTCAGGTGATCCACCCG CCTTGGCTCCCAAAGTCTGGGATTACAGGCGTGAGC CACACACCCGGCCAAAATAATTTTTTCTATCCC TGCCATTCACTCTCCATTAGCACTCTATTCTCTCTCATTT ATCCACCCCGTCTT
507	ADXCRA D.3154.C1 _s_at	ATP6V0A1	Sense	ATPase, H+ transporting, lysosomal V0 subunit a1 [Source:HGNC Symbol;Acc:865]	507	ACCACCCCTAGCTTTGTGTGTAGTGTAGTATTTCTGG CTGTCACTCATCTACTACTGGCACCCAGCCTTGCCCTCT TAGCCTCCATCCATCCAGACAGCCCTTCCCACCTCCTG GTGGTGGCCAGTCTGCATTCCACGCCATCCCAAAGC CCTTTCATCTTACCCGTGCATTGTAGATGGAAGGAGCAC CCATGCCATTCA
508	ADXCRIH. 2039.C1_s _at	PVR	Sense	poliovirus receptor [Source:HGNC Symbol;Acc:9705]	508	AAAAGGTCTATGATCTTGAGGGCAGACAGCAGAAATC CTCTTATAAGAAACTGTTTGGGAAATACGTTGAGGG AGAGAAGACCTTGGGCCAAGATGCTAAATGGGAATGCA AAGCTTGAGCTGCTCTGCAAGAAAAATAAGCAGGACA GAGGATTTGCTCTGGACAGAGATGGA
509	ADXCRA D.2058.C2 _s_at	PHLDA1	Sense	pleckstrin homology-like domain, family A, member 1 [Source:HGNC Symbol;Acc:8933]	509	TGGTGAATTTTCTAGGAGCGATGATGTACTGTAAATGTN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNAATGCTTGTCTAAGACATTTCTGAATGTAGA CCATTTTCCAAAAGGAACTTTATTTTCAAAAACCTAAT CCGTAGTAATTCCTAATCTTGAGATAAAAAAGGCGG TGAGGGGAAAACATTAAAGAAATTTATTCATTATTTCTCG AGTACTTTCAGAAAGTCTGACACTTTTCATTGTTGTGCCA GCTGTTGAAATTAACCT

FIG. 7-132

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510	ADXCRSS .Hs#S176 4949_at	CEACAM5	AntiSense	carcinoembryonic antigen-related cell adhesion molecule 5 [Source:HGNC Symbol;Acc:1817]	510	GATAGTGATGGGTCTTCCCATTTGTCCTTAAACCCCTGTAC ATATTGTGCAGCCTGGCTGGACTGGATGATGTTTCAGTA GAAATAACACAGGGGACACACAGAGGCAAGCCCTGGAGG TCAGCTCAGTCGTTAGGCAGTGGAGGCACAAGGTGGG GCAGTTTTTCCAGGTGTTTGATGATGACTGACTTTGAGC CAGAGACCCCTAAAGATAGAGTGGAGTCCAGGGAATGA TCTAGAACTTCAGGTGACAGGCAGGAGCTGCCCGGATT TAACAGCAGAACCATATA
511	ADXCRH. 50.C1_at	GPRC5A	Sense	G protein-coupled receptor, family C, group 5, member A [Source:HGNC Symbol;Acc:9836]	511	CTAACTCTGTCCTGAAGAGTGGGACAAATGCAGCCGGG CGGCAGATCTAGCGGGAGCTCAAAGGGATGTGGGCGA AATCTTGAGTCTTCTGAGAAAACGTACAAGACACTACG GGAACAGTTTGCCTCTCTCCAGCCTCAACCACAAATTCT TCCATGCTGGG
512	ADXCRP D.11875.C 1_at	GPRC5A	AntiSense	G protein-coupled receptor, family C, group 5, member A [Source:HGNC Symbol;Acc:9836]	512	GATGGACAGGGTTCTGAAAAAACTGAAAATGAATTCTAG AAAGCAGCATTTGAGAGGGGAAAAGAGAAAGTGATCAGCA TTTAGGAATATGAACTGTCTGGAGCTAGAGAAACAGCCT GGGAAAAGAGCAAAGGGCTAGAGCAGGAAAGAGAAAA GAGAAATGAGACTAGCGGTGGTTTGGATATTATTTGTAAAC CAAAGTCAAAGGACGGGAGATCTAGAGTCCAGCCCAACA AAGAACTTGCTCCTATAAAAAACCAAAATGGACCCCAACCCT TCACTTGACGTAGAGGTCTTTTCCT

FIG. 7-133

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513	ADXCRSS .Hs#S299 0374_at	KIAA0319L	Sense	KIAA0319-like [Source:HGNC Symbol;Acc:30071]	513	AACATGGTCTGGAGGTTACAGTGTAGTGAGGGGCAAA GACATGGAGCCAAATGGTTGAGCTGAAACCTCATGTGAG GAGTTAACTGGATGGAGAAAGGAGTCAAGAGAGTTCTA GGTAGAGGAGGCAGCATGTCAAAGGCACAGTAAAGGG AGGATGAATGGTCCATTTCAAGGATGGAAGAAGGCTGC TAGATTGGAACATAGGGAAAGGAGGGAATGTGTATACA AGCTGGAGCTAGAAAGGTAGGTGGTCAGAACATAG
514	ADXCRA G_BC001 557_s_at	SMC4	Sense	structural maintenance of chromosomes 4 [Source:HGNC Symbol;Acc:14013]	514	GAAAAATTTACACAGCTAGATTTGGAAGATGTTCAAGTT AGAGAAAAAGTTAAAAACATGCCACGAGTAAAGCCAAAAA CTG
515	ADXCRA D_AW291 023_at	PML	AntiSense	promyelocytic leukemia [Source:HGNC Symbol;Acc:9113]	515	TTAAAGGTCCCTGCTCTATCGTTCTGTGTCTGGCTCTGC AAACTGCTGGTATGTAAAGACCCCTCTTTCCAGACAGGC CACGAACCTCCCCGAAGGCCGGCTGGCCTCTTCTCTG CCTCTGTCCCACCTCCCTGACACACCCCTCCATCCACG TTAATAAAACAGGGAAACACACCAGAGGGCTCAGTAGAG AAAACACATCATATGACTGATTATATATTTTATAGCT TTAAATAATAAAATTTATTTTTTCCATTAAAGTATTATAA CACGATTACAAAAGCCCTCGTGC

FIG. 7-134

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516	ADXCRA D_13012.C 1_at	TRIO	AntiSense	triple functional domain (PTPRF interacting) [Source:HGNC Symbol;Acc:12303]	516	TAGATGCCGTCATCTTCCGTGGTCACGCCCAATCTT CAGCGTGGCCTCTCCAGGTCACCTGTAGGAGATGCTGT AGTGACCATCGTTGTTCAAGGTGTTGTTCAGGGCCC TTCCAGGTAATTGAGGCTTTGGGGCCACAGACTCG ACATCTAGGAACAACGGTCTCCCTGTCTCACACGTGA CCTCACTCAATGGAATGACGAATCTGGGGAAACGTCA TAAATGATGTTGGATTGAGAAGCTTGTGCTGAGTCCT TCCCGTGACTTCCGATAA
517	ADXCRA D_BC0257 70_s_at	RHOJ	Sense	ras homolog gene family, member J [Source:HGNC Symbol;Acc:688]	517	CACTATGCAGTTACTGTGACTGTGGAGGCAAGCAACA CTTGCTCGGACTGTATGACACCGCGGACAGGAGACT ACAACCAGCTGAGGCCACTCTCCTACCCCAACACGGAT GTGTTTTGATCTGCTTCTCTGTCGTAACCCCTG
518	ADXCRA D_BE1385 16_x_at	ATL2	AntiSense	atlastin GTPase 2 [Source:HGNC Symbol;Acc:24047]	518	GACCAGGAAGTCCTATAAAGAAATTATATTTCTATAGAATT AAAAATGCAGTTCTGTGAGCCTGGACAACAAAGTGAGA CCCCATAGCTACAAAAAAGTTTAAAG AGTTGGGCATGGTGGCACACGCCTGTAGTCCTAGCTTC TCGGAGGCTGAGGTGGGAGGATTGCTTGAGATTGGG AGTTGAGGCTGCAGTGAGCCGTGATCACACCACTGCA CTCCATCCTGGGTAAACAGAGTGAGACCACCTAAATTAA
519	ADXCRA G_AJ3135 24_s_at	MACC1	Sense	metastasis associated in colon cancer 1 [Source:HGNC Symbol;Acc:30215]	519	CAAAGCAACAAATGGAGGCATATGAAATTCCTCATCGAG GAAACACTGGAGATGTTGCTGTTGAGATGATGTGGAAA CCTGCCATGATTTTCTGTATACCTGGAGTGCTCACTAT GGAAATAACTACAGAGATGTTTACAGACCTTCAGTCA GCTTTGGACAGAATGAAAACCCCTGTGACTAAACACTG GAGAGAAATTAACCTGGAGTTTAACTACTAGTAAATCTTTG GAGGTTTTGAGAGTAACCTGCATTCTCCACT

FIG. 7-135

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520	ADXCRA D_AL5986 28_at	SCD	Sense	stearoyl-CoA desaturase (delta-9- desaturase) [Source:HGNC Symbol;Acc:10571]	520	TGTTAACCCATTCCAGTACAGTATTCTTTTAAATTCAAA AGTATTGAAAGCCAACTCTGCCCTTTATGATGCTAAG CTGATATTATTTCTCTTATCCTCTCTCTCTCTAGGC CCATTGCTCCTCTTTTACCTTATTGCTATCGCCCTCCTT TCCCTATTGCCCTCCAGGCAAG
521	ADXCRIH. 3160.C1_s _at	ATP5G1	Sense	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit C1 (subunit 9) [Source:HGNC Symbol;Acc:841]	521	AGCCACAGTTGGTGGCTGGTTCAGGGGCTGGCATTG GAACCGTGTGGCAGCTTGATCATTTGGCTATGCCAGG AACCCGTCTCTCAAGCAGCAGCTCTTCTCCTATGCCATT CTTGGCTTTGCCCTCTCTGAGGCCATGGGCTTTTCTG TTTGATGGTCGCCCTTCTCATCTCTTCGCCATGTGAGG CTCCATGGGGGTACCGGCTGTTGCTACTGCAACTC CACACCATTTGGTGGTGGGCTGGTAAAGCTTTACCA TTAAACA
522	ADXCRESS .Hs#S373 2256_at	DDX17	AntiSense	DEAD (Asp-Glu-Ala- Asp) box polypeptide 17 [Source:HGNC Symbol;Acc:2740]	522	GGCTTAACCAAGCTAGACATTCTCTAAATACATACGTAA CAAAAATTGATGGCAGGAGATTTTATTGGGATCACTGGA TACCTACACTCAACAGGCAGAACTTGGCTAATTCATT ATACCACTACTGAGACAGTGAAGACAAATTAAGAATCAG AACAGGAAGCACATAGCATAGGGATACCCGTGTGAGCG ACATATTTAATATGCCCCCTCAGCTTAAGACTCAATACTG AACAGACCAAAGGCCACCTCAATTGCCGCTCCCGCCA CACTTGCTATTGAAACT

FIG. 7-136

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523	ADXCRA D_AI7031 62_at	YLPM1	AntiSense	YLP motif containing 1 [Source:HGNC Symbol;Acc:17798]	523	CCAAGGCATTGCTAATCTCTGTACTTCTAGTAAACACTGA AAAGTCAACGTAACCTCTATAGTTCGCATATTCCTTGAATG ACAGGGAAGGCAACATCTCTACAGAGGTGTGATCGA AAGCATTTTACATTAGGTACACAGAAACTTTAAACTCAC ACTATGTAAGCCTCTAATCAGCCTGAGCAAAATCCATTG CCTACACAGTCATTTA
524	ADXCRA D_CB8529 16_at	IREB2	Sense	iron-responsive element binding protein 2 [Source:HGNC Symbol;Acc:6115]	524	GGTTGAAAGATGAAATGCCTGTATGTGCTCTGAAGAAAT GGTAATTCAGATTG
525	ADXCRA D_AI8057 00_at	PTK2	AntiSense	PTK2 protein tyrosine kinase 2 [Source:HGNC Symbol;Acc:9611]	525	TCCACCTGCCGAGAGCTGAGATTATAGTCACTGTGCC TGGCTGGAATATAGCCTTTTACTCCATGTCATTACCCG CACTCTTCGCTCTTCCCTGGAATGATTTCCCTGAGCCTGT CTGCCCTAAAAATCCAAATTTCTCCTTTAAGCTTTGGCT CAAATGCTATCTATACTCTGCTGCCCTCCCCCAAGTCCCC CTAGTGACACACAGGGTCTCTTCTGCTCTTCCCTTATGT TCTTCTTTGTCAGAGCAACATCACAGCAGTACCCCAACA TTTGG
526	ADXCRA D_AF1724 50_at	N/A	No Genome match	N/A	526	GCGGCGGCGAGGGCTTGCCTTTCTTAGTCTGATGCCAA G

FIG. 7-137

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527	ADXCRA D_BM711 746_s_at	DNAH2	Sense	dynein, axonemal, heavy chain 2 [Source:HGNC Symbol;Acc:2948]	527	GGCCATGACACCTGATCATTGGATCAAGAGGGGCACT GCTCTACTCATGAGCCTGGACAGCTGAGACCTCCTCCT CTTCTCCGCTTGAGAGAGAGGGTCAGGGACTCCAGGA GCTAAGACAGATGTTGCACCTAGGACTGAGGCCGGACC TCACTCAGACTTTGACCTTGCCCCGAATTTGTGTGATGTG GCCCTGGAGATACCTAGTTGTGTAGCCATAAA
528	ADXCRA D_BE7927 95_s_at	SCRN2	Sense	secernin 2 [Source:HGNC Symbol;Acc:30381]	528	CAGGAAGGCCTCGAGGCCACACAGGGGCTGCTGGCCG GCGAGTGGGCCCCACCCCTCTGGAGCTGGCAGCCT CTTCCAGGCCCTTCGTGAAGAGGGAGAGCCAGGCTTATG CGTAAGCTTCATAGCTTCTGCTGGCCTGGGTGGACCC AGGACCCCTGGGGCCTGGGTGCCCTGAGTGGTGTA AGTGAGCAATCCCTTCACGCTCCTTGGCCATGTTCTG AGCGGCCAGCTTGG
529	ADXCRA DRC.1364 7.C1_s_at	CDHR1	Sense	cadherin-related family member 1 [Source:HGNC Symbol;Acc:14550]	529	CTGGTGGACTATTCCATCACCCTGCAGAGCCCCGCAA CGTGTCGACATCAATTCCCACACGGGGGAGATCTGGC TCAAGAAATCCATCCGCTCCCTGGATGCCCTGCACAAC ATCACACCTGGAAGGGACTGCCTATGTTCCCTAGAGGT GCAGGCCAAGGACCGGGGCTCCCACATCACTTCAGCA CCACAGCCTTACTCAAGATTGA

FIG. 7-138

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530	ADXCRA G_NM_19 8389_s_at	PDPN	Sense	podoplanin [Source:HGNC Symbol;Acc:29602]	530	TCGGCCTCAGATTCCATATTTGAACACCAGCTGATTGAG AGAAGGGGAATGAGAAGAGCTGGATGAGTTTAAATAAC TCATTGTTCAGATTCCCTGAACAGGAGTTGGGATAATGGC CATCTTTTCTTTCCATATCCTTTCTTCCCCCTCACTGTGA AAATAACAGTCCACCCCAAGTCATACACTGGACCCAG TGCCTGCGGGACAGGACTGTGGGTTTCTTGGTCACAC CTGTGTTGGTGCTCAATGCAGTGT
531	ADXCRESS .Hs#S273 3081_at	COMM10	AntiSense	COMM domain containing 10 [Source:HGNC Symbol;Acc:30201]	531	TAGTTTCATTTACTCTTTAGGCAGAAAAATAGTTCAAGG GTCTAGTAAAGGAGGCAAAATGGGCAGAAAAACAACCTCT TGTTTGCTATCCCACTGCACCTTGAATGGACCTCTATAA TTCACTACCATTTATAAGTGTCTCGCATATCAACATCACA TTAGGTAATTTACTGCCCTCCAATTCCTGGTCCATAACTAT TCCATCCTGAAAAGTCATAATAACAATGTTATTGGAACAAT CTATTCATATGGTA
532	ADXCRA G_BC012 866_at	TNFRSF10A	Sense	tumor necrosis factor receptor superfamily, member 10a [Source:HGNC Symbol;Acc:11904]	532	ATGTATACAAAAGTAAATTCTTAGCCAGGTGTAGTGGCTC ATGCCTGTAATCCCAGCACCTTTGGGAGGCTGAGGCGGG TGGATCACTTGAGGTCAGAAAGTTCAAGACCAGCCTGAC CAACATCGTGAAATGCCCGTCTTTACAAA

FIG. 7-139

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533	ADXCRESS .Hs#S300 8397_s_at	HELZ	Sense	helicase with zinc finger [Source:HGNC Symbol;Acc:16878]	533	AGTGGCTTCCTTGGAGTAGTGGGTGAAAGTCTGCTTAA AAAGAGGGCTTAGGAGAGAAATGGGGGAAGGAATTGAA ATACATCAACATAGACAACTCTTGAGAGTTTTTGCCATG AAGAGACACTTTGCATCCAGAGGACACTTTGCATCCAG AGAGTGGCTTCCTTGGAGTAGTGGTGAAAGTCTGCTT AAAAAGAGGGCTTAGGAGAGAAATGGGGGAAGGAATTG AAATACATCAACATAGACAACTCTTGAGGAGTTTTGCCA TGAAG
534	ADXCRA G_AB0807 47_s_at	FOXP4	Sense	forkhead box P4 [Source:HGNC Symbol;Acc:20842]	534	GAGCTGGAAAAAGTCAGACTCTCCACAGACCCCCCTAT GGGGACCCCCAACTCAAGGCCAAGGACTGGCGGTAT CGGATGCTCATAACACCCCTGGCCTGGCCCTTTACTG AGAAGACTCCTTGGATATTTCCCAAGAACCCCCACACATA CACCCCTCACAAGCCACCCCTCCTGAGAGGCAGGGGG CCCTCGCCCCCTCCCCATGTATTTCCCCACCTGTGTTT CGTTTGACCAGCACAGAAATATT
535	ADXCRA D.9899.C1 _s_at	TAOK2	Sense	TAO kinase 2 [Source:HGNC Symbol;Acc:16835]	535	GGGAGCACACAGTCACCTCTCACAGCTCCATTATCCAG CGGCTGCCGGGCTCTGACAACTATATGATGACCCCTA CCAGCCAGAGATAAC
536	ADXCRA D_BE3865 16_s_at	PRKAR2A	Sense	protein kinase, cAMP- dependent, regulatory, type II, alpha [Source:HGNC Symbol;Acc:9391]	536	GCTGCCATTGCTGTGGTTATGGGCATTTAGAAAACCTGA AAGTCAGCACTAAAGGATGGCAGAGGTTCAACCCACA CCTCCACTTTGCTTCTGAAGGCCCATTCATTAGACCACCT TGTAAGATTACTCCAAACCCAGTTTTTATATCTTTGGTTC AAAACGGCATGTCTCTCCAAACAATTTAAGTGCCTGATAC AAAGTCCAAAGTATAAACATGCTCCTTTACTCTCTTGCT GCTACTCTTGCTTTTG

FIG. 7-140

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537	ADXCRA G_AB04 5118_at	FRAT2	Sense	frequently rearranged in advanced T-cell lymphomas 2 [Source:HGNC Symbol;Acc:16048]	537	GTAGCTATTGATGTACACTTCGCAACGGAGTGTCTGAA ATTGTGGTGGTCCCTGATTTATAGGAT
538	ADXCRA D.17448. C1_x_at	CAPS	Sense	calcyphosine [Source:HGNC Symbol;Acc:1487]	538	CAGAGGCTTGCAGCCCTGTGGATGCCCCCGCCGA GGTCCCCGATCCCCGACCCGGACTGCTGCTCCCT GCCCCACCATTCGGGTCCCCCAGGAAGCCAGGTGA CCCCAGGTGGAGGCTGTGTGGAGGCCATCCTGG AAGGAAGTTTAGACCTGCCCAGGTGTGGAGCGAGGG GCACAGGGGCATCCTAACCTCAGAAACTGAAATAAAG CCTTTGNNNNNNNTCTGTAAACATCAACCCCCAAT CAGAAAGATGGCAAATGGGGAATAAAATAGCAGGTAA CACGTCA
539	ADXCRA D_CX16 4907_s_ at	RALBP1	Sense	ralA binding protein 1 [Source:HGNC Symbol;Acc:9841]	539	TGACAGCAGCTGATGTTGTTAAACAGTGAAGGAAAA GAAGAAAAAGAAAAAGCCAAATTCAGGAGCCAGAGGTG CCTCAGATTGATGTTCCAAATCTCAAACCCATTTTGG AATTCCTTTGGCTGATGCAGTAGAGAGGACCATGATGT ATGATGGCATTCGGCTGCCAGCCGTTTTCCGTGAATG TATAGATT
540	ADXCRA D.12155. C1_at	AC058791.1 (Clone-based (Vega)	Sense	Novel processed transcript.	540	AAATAGAACATCCTGAGTTACAGAAATTCAGCCCTAG TGTATCCTGGCCTAAAAATACAGAACAAATCAAGTTGAG TGGTTGAAATGAGAGGCTAGGCAGGTTTGAAACAT GCTAATGTTTACTGAGTGAAATCTTTCCCTTCTCAGTAG AGTTGCCCTTGCAGCTGAAA

FIG. 7-141

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541	ADXCRA D_CN479 989_at	SLC39A14	Sense	solute carrier family 39 (zinc transporter), member 14 [Source:HGNC Symbol;Acc:20858]	541	TCTCTGGCTGATATGTTCCCTGAGATGAATGAGGTCTGT CAAGA
542	ADXCRA D_CN298 065_x_at	CHP	Sense	Calcium-binding protein p22 (Calcium-binding protein CHP)(Calcineurin homologous protein)(Calcineurin B homolog) [Source:UniProtKB/Swi ss-Prot;Acc:Q99653]	542	GTTACAGGTGCTACGCATGATGTCGGAGTAAATATCT CAGATGAGCAGCTGGCAGCATCGCAGACAGGACCATT CAGGAGGCTGATCAGGATGGGACAGTGCCATATCTTT CACAGAAATTTGTTAAGGTTTTGGAGAAAGGTGGATGTAGA ACAGAAATGAGCATCCGATTTCTTCACTAAAGGAGACC AAACTGTTCCCTTGGGCTCTAGTATTTAAGAACTGGAAC TGAAAGTCCTCCTTCTAC
543	ADXCRESS .Hs#S162 3594_at	TTC39B	AntiSense	tetratricopeptide repeat domain 39B [Source:HGNC Symbol;Acc:23704]	543	GAATCCATTATCAATGTTGCTAGTGTAAATACACAAGAAA ACCCAATGAGAGAAATTCAAATATTAAGAAACAAGCTTT TGTTGATTGAGCTTTAAATGGCCACACACACATTATAATAT CTAAGATGCTTGTGCTCCCCAATAACCAAATTTTTCCTC CAATGAGGATGCAAGTCCTAACTTCTATGCTCCCCGAATT TATCATACTAGCACCTA

FIG. 7-142

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544	ADXCRA D_D81713 _at	LRCH1	Sense	leucine-rich repeats and calponin homology (CH) domain containing 1 [Source:HGNC Symbol;Acc:20309]	544	TAATAAGTGTTAGCATCGTGTCTTGAAGTATACTTTTG CACTGTAACTTGGGTTACGTTAAAGAGAGCTTAGCACCA AAGGTAGATAATGAAGAAATGGCATAGGAAAGTGGAGA TGATAAAAAGTTGATTGTTGAACCCAAAAGGGTTTGAAG GGAAGCTTCGACTGAGTATCAGAAATTACTTAAGGCACA TAGGACCTGAATCAGGRAACCAAGCACCTTCTTACAACCTG CCAGTTTTA
545	ADXCRA D_BX1018 33_s_at	RP11- 125K10.4 (Clone_based_ vega_gene) /// RCL1	Sense	Putative processed transcript /// RNA terminal phosphate cyclase-like 1 [Source:HGNC Symbol;Acc:17687]	545	TGCAAGGACTCACCTCCTTGAGCCCTGGTTTTTGTGTA GGGATTAATGAGATAATATAGTGGCAGCTCTTCATGA GTCCTGCAGTGCTAAGCAAATGTCAGAAATTGGTGATT AGACTATTTATCTTTGATCTTCTGAATGGATTGCTGTCAT GGACACGGACACGGATCTTTCATCTGTTTCATTGTATTTA TATGTGAGGGGATGGATGGC
546	ADXCRIH. 2931.C3_s _at	STAT1	Sense	signal transducer and activator of transcription 1, 91kDa [Source:HGNC Symbol;Acc:11362]	546	GGAGAAGTTAAGCAACATCTAGCAAATGTTATGCATAAA GTCAGTGCCCAACTGTTATAGGTTGTTGGATAAATCAGT GGTATTTAGGGAACCTGCTTGACGTAGGAACGGTAAATT TCTGTGGGAGAATTCTTACATGTTTTCTTTGCTTTAAGTG TAACTGGCAGTTTTCCATTGGTTTACCTGTGAAATAGTT CAAAGCCTAGTTTATATACAAATTATATCAGTCCCTCTTCA A

FIG. 7-143

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547	ADXCRP D.13803.C 1_at	SLC11A2	AntiSense	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2 [Source:HGNC Symbol;Acc:10908]	547	GAATTGTCATTCACTCTGTGCTATATTACTTGAGGG GCTAAGAAAAATGTATGGTCAGTGAAACACAGTAGTGTA CCCTTAAATGCCCTTATAAAGACCATCCATCCAGTCTGC GCTTTGACTGTGTGCAAGTATCAGTAATAATGCTTTTG GGGGCTCAGATGAACAGCGGAACACCAATCAGCCAGGA CTCTGGAAGGAAAGCTCCAAAAATGANGAAGTCCCTTTCA ACACCATTTTCCATTACTGTTCTCA
548	ADXCRP D.9382.C1 _at	SETMAR	Sense	SET domain and mariner transposase fusion gene [Source:HGNC Symbol;Acc:10762]	548	TTTGATTAAATAAAAAATGCGTTGAGCCCTAGTTATA
549	RDCR448 _D01_s_at	FOXO3	Sense	forkhead box O3 [Source:HGNC Symbol;Acc:3821]	549	GTTGCTTCCCCACCCTGAGGAGAGGACACCATGGCTTA CTACTCAGGACAAAGTATGCCCCGCTCAGGGTGTGATTT CAGGTGGCTTCCAAACTTGACGCAGTTTAAAGATGGT GGGACAGACTTTGCCCTCTACCTAGTGAACCCCACTTA AAGAAATAAGGAGCATTTGAATCTCTTGGAAAAAGGCCATG AAG
550	ADXCRA D_CX7558 99_s_at	GTSE1	Sense	G-2 and S-phase expressed 1 [Source:HGNC Symbol;Acc:13698]	550	TGGGAAATATAGTGAAACTCCTGTCCCTACAAAAATAC AAAAATTAGCCGGGTGTGGTAGTGATGCCCTGTAGTCC CAGCTACTTGGGAGGCTGAAGTGGGAGGATGGCCTGA GCTCAAGGAGATGCAGGCTGCAGTGGGCTGTGATTGTG CCACTGCACCTCCAGCCTGGGCACCAATGTGAGAACCTG TCTTGGAA

FIG. 7-144

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551	ADXCRA D_18410.C 1_x_at	N/A	No Genome match	N/A	551	TTGAAAGACACAGTGCACACCCAAACTCCTGGCCTTC TGTTGGTTCCCTTTGCTCCAGAACACAGATGTGTCTANN GAAAAACAAACGAAACCCGAGCCNAAACNACCAACCCC CAGGGGGGGCCGCTCTAAAGAAATCCCTCGAGGGGCC CAAGCTTACGCGTACCCAGCTTTTCTTGACAAAGGGG CCCTAAAGGGGAGTCGGAATAAAAAACTAAAGGCCCT TGCCCGTCCTTTTACAACGCCCCCGGAACCTGGGGAAA ACATGCCAACCTTGGGGGATCTTTTG
552	ADXCRA G_BC049 209_at	C2orf89	Sense	UPF0632 protein C2orf89 Precursor [Source:UniProtKB/Swi ss-Prot;Acc:Q86V40]	552	GATGCTCTTCAGTTCAACTATATCCCTATCTGATAATTC CAGAACTCTATCATGTCTGAGTCTGGTCTGATGCTTT CATTGTTTCTTCAGATTGTGATTTTCTTGCCCTCCCAGTG TGACTTGTAATTTTAAATTGAAAGCTGGATATGATGTATT TGCAATGGGAAGTGAGGGAATATGTTTTTAGTGTGA GGTTTATGTAAATCTTTCTCAGAGTTGGCTGTTTAAT GTTTTGCTGTGGTCTGAATGTTCTTAAACT
553	ADXCRA D_BX3865 35_s_at	FKBP8	Sense	FK506 binding protein 8, 38kDa [Source:HGNC Symbol;Acc:3724]	553	AAGGATTGGGGTCTGTCAGCCCCAGCCAGCAGGAGGG ACTGAGGCCCTCTAGGAGGAAGCCAGAGGGAGGGG GCCCTCATTCTTCAGACCCAGTTTCCCCACCCCTCCT TACCCCGCTGGGCTAGGTCTCCGCCAGGGCTGGCCTC AGTTTCTCCTCAACAGGCCCTGGGGCAGCCCTTCCCCCT GCCTAGTCCCCGCTGAGTGCCAGSCCCACCCCGC CTGCCGCCCCCTGTTTCAGGTTCCCTCCCCGCCACAGTG AAATAA

FIG. 7-145

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554	ADXCR AD_BX4 42668_x _at	PPDPF	Sense	pancreatic progenitor cell differentiation and proliferation factor homolog (zebrafish) [Source:HGNC Symbol;Acc:16142]	554	TGGGAGGGGCTAGTCCACCAGAGCBCCCTCC CCGCCCCTCTTCCCANTCCGNATCCCTCGCC CCCTCCCCACCTCCACCCCCACCCCTGTA AACTAGGCGGCTGCAGCAAGCAGACCTTCGC ATCAACMCMSCASACACCAAMAAACCAAGTGAG ASCCCCGCTCTACCGCCCGGGCCAGCAC TCGCTAGCTTTCCTGACACCTGGAACGTGC ACCTGGCACCAAGCGGAAATAAACTCCAAG CAGCCAGTAGCCCCGATGGTGTGTGCCTGAC CTGTGTGGCCGGAGGTTT
555	ADXCR PD.9655 .C1_at	C17orf63	Sense	Uncharacterized protein C17orf63 [Source:UniProtKB/ Swiss- Prot;Acc:Q8WU58]	555	TTAGGTAGGTAAGGAATGATCACATTGGAGTT TGG
556	ADXCR AD_AI75 0956_s_ at	COL12A1	Sense	collagen, type XII, alpha 1 [Source:HGNC Symbol;Acc:2188]	556	ACGTGCTTATTAGGAAATGAGTCTGTATGGAA ATCTACCCACAGATAATGGTTAACGAACCGG GTCGACATCACAAAGGAGGGTGGAGACTCTT TTTACTAACTTGAATGAGACAAAAGCAGTGGT GTCAGTTTATAATCCTGATGCATTTTCAGTAAT AATGTAGAAAAACATTATTTTAAAAAGTTCCA ACACACAGCCATGAGGAGCCTCAGTTTGTAA AGAGGTGCATAATAAACTACTAACCAGAGGA GTCTATGCCATTTTAAGAA

FIG. 7-146

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557	ADXCRA D_CA4403 61_x_at	ROBO1	Sense	roundabout, axon guidance receptor, homolog 1 (Drosophila) [Source:HGNC Symbol;Acc:10249]	557	GCCAGGAGTTGGAGCCCACTCTGGGAAAACATGTTGA GATCTTGCCTCTGCAAAAATAAGTAAATAAAATTTAAA AAAAGTAAAAAATAAAATCAGCTGAGCATGGTGACATG CACCTGTGGTACCAGCTACTTTGGAGGCTAAGTTGAGA GGCACTGATGGGAGGATCATTTGACGGCCAGAGGTTG AGGCTGCAGTGAGCTGTGTTGTGTCATTGCACTCCAG CCTGCGTAACAGAGTAAACCTTCT
558	ADXCRA D_BU5851 82_s_at	IGLV2-14	AntiSense	immunoglobulin lambda variable 2-14 [Source:HGNC Symbol;Acc:5888]	558	CTTGGAGCCAGAGAAGCGATTAGAAACCCCTGAGGGCC GATTACTGACATCATAAATCATGAGTTGGGGCTTTGC CTGGTGATGTTGGTACCAGGAGACATAGTTATAACCA CCAACGTCACCTGCTGGTCCAGTGCAGGAGATGGTGAT CGACTGTCCAGGAGACCCAGACACGGAGGCAG
559	ADXCRA D_AA6825 39_at	AC069513.3 (Clone_based_ vega_gene)	AntiSense	Novel processed transcript.	559	GTCTGAATATCTTACTCACAGCTCACCTTTTGTGCCT TTGATCCGTATTAGAAAATTATCCACATCTTCTCTCTGGG CAATATTCTACTTTTATATTGACCCCAATTATTTACTGCT TTGGTGTGTCCTTTCTCTAACACATATGGGTTCACTTT GAAACCCCTGAAACCCACATTTACAAAACATTTTCAATAT GAAACATTGTTCCCATGACTCATTACTGGAGTACCATCAA CATTACAT

FIG. 7-147

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560	ADXCRP D.8173.C1 _s_at	CD93	Sense	CD93 molecule [Source:HGNC Symbol;Acc:15855]	560	GCAGGTATTTCTACGGGTGTTGATGTTCTCCTGAAGTGG AAGCTGTGTGTTGGCGTCCACGGTGGGATTTCTGTGA CTCTATAATGATTGTTACTCCCCCTCCCTTTTCAAATTCC AATGTACCAATTCCGGATCAGGGTGTGAGGAGGCTGG GGCTAAGGGCTCCCCCTGAATATCTTCTCTGCTCACTTC CACCATCTAAGAGGAAAAGGTGAGTTGCTCATGCTGATT AGGATTGAA
561	ADXCRP D.12400.C 1_at	SSFA2	Sense	sperm specific antigen 2 [Source:HGNC Symbol;Acc:11319]	561	TCCTCTGTCAATGTTTCGATTATCTCCAGGAAAAGAGACC AGATGCAGCCACCTTCCTTCACCTATAAGTACACACCT GAAGAGGAGCAGGAATTGGAAAAGCGGGTGTGATGGAAC ATGATGGTCAGTCTTTAGTTAAATCGACCATTTTTCATCTC TCCATCATCTGTGAAGAAAAGAAGAGCCCCCAGAGTG AGCGCCCGGGTGGAGGAATGCCATCATGGAAGGAC TCCTACCTGTTACGGCTTGCTCCACCACCAATGTCTCA GTCTACCTGTTCCTT
562	ADXCRP D.1899.C1 _at	RAPH1	Sense	Ras association (RalGDS/AF-6) and pleckstrin homology domains 1 [Source:HGNC Symbol;Acc:14436]	562	GGTAATGAGCTCAATGCCCTCCATTTAATCACTTTTATAA GGCTCTCTCCAATAAGGCTGCTGTGCTGTCTCCTGCC AGTGTGGAGTAATAACATTTTACTGCACACACCTTA TGGAAAGTGTTTATACTGAGTGTAGTTTGTAGAGGGGT AAATGAAGATTATTTCCACAAATTAAGATTGCACCTTAGTA CACGCCTTTACACAACCTCTGATGGTATTTACCAAAACAT GGCATGTCTTTTCACGTATATTCCTGAAAACACCAA

FIG. 7-148

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563	ADXCRA D_CN341 871_at	IRF6	Sense	interferon regulatory factor 6 [Source:HGNC Symbol;Acc:6121]	563	AGCTTTAAGAGGAAAGAGCTCTATTTTCTGTTTCTTC TCTGAGCTAGACTGAGCTGGGATCTAAGATGTACTTCT CTGACTACAAAAGGACAGTATCATTTAGATTTTTTGCA GTTGGAAGAAATGGGTTGTGAGTGTGTTAAGGCTGGG ATGAAGAAGGGCTGGCAGTACTCTTCTGGAAAGGCTC ACCTAGCACGAACCTGC
564	ADXCRA G_BC021 570_x_at	ZNRF3	Sense	zinc and ring finger 3 [Source:HGNC Symbol;Acc:18126]	564	GGTAATAAGAGAGCCCCCTCCTTGTCAACCCCAAATGTGA GCCCCCTGTGGCAAAACACCCCTACCCCATTAACAA ATCAACAGACAAAATTCTCCGAGTCCTTTGCCCTCTTTTG ATAACATGTTGTTCTGTTTTGTAAAGTGTGTGCTTGG GGTTCCGAGGTGGGATTGAGTTCTCTGCTTTGTTTTT TTTTAAGATATTGTATGTAAATGTAAAAGTTATTTAAATA TATATTTTAAAGAACCCTAACTGCCAACCTTTTGCTGAAAA A
565	ADXCRA D.4759.C1 _s_at	FOXRED2	Sense	FAD-dependent oxidoreductase domain containing 2 [Source:HGNC Symbol;Acc:26264]	565	GAGTCACCTTTAGTCACCTGGTCCGTAACCATCTTTCCCT GTCTAAACTTCTCACCACCACCACTCTGGCTTATACCCCT GCTCTCTTTAAAATAGCCAGTCAGATTAGCTTAGATTG TGCGGTCCAAACCCCTAGCCCCATAGGGGAACAACACAGCA GTAGGGGTACCTGCATCAGGGATAAGAACCCTATCCC CTCCCCTGTTCCGGTGTGCTCTGCCATTGCACCATCC ATGAGACGCACCTCTTGTATAGAAGTA

FIG. 7-149

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566	ADXCRIH. 2824.C1_s _at	TBK1	Sense	TANK-binding kinase 1 [Source:HGNC Symbol;Acc:11584]	566	GGGAACCTCTGAATACCATAGGATTAATATATGAAAAA TTTCCCTCCCTAAAGTACATCCACGTTATGATTTAGACG GGGATGCTAGCATGGCTAAGGCAATAACAGGGGTTGTG TGTTATGCCTGCAGAAATTGCCAGTACCTTACTGCTTTAT CAGGAATTAATGCGAAAGGGGATACGATGGCTGATTGA ATTAA
567	ADXCRA D_AW449 577_s_at	MIR612	AntiSense	hsa-mir-612 [Source:miRBase;Acc: MI0003625]	567	TAAAGAAACACCTGCGGCGGCTCCGCGCCTCCCTCCC TCCCTCCAGGCTCACCTCCTACCTTCTTACTTCCCTT GTAAAGGCATAGCCAGGGGACATTGTCCCCCAGCTTCA CATCCACATGTCTCCTAGCATGGCACATGCATATCCTGC CCAAGGAGCATGAAGTCAGACCAGCAAACTGAACACGA GGCACAGTCCTGCATGCTCTGGGACCGAGCACTGAG
568	ADXCRIH RC.2845. C1_s_at	RTEL1 /// TNFRSF6B	Sense	regulator of telomere elongation helicase 1 [Source:HGNC Symbol;Acc:15888] /// tumor necrosis factor receptor superfamily, member 6b, decoy [Source:HGNC Symbol;Acc:11921]	568	AGCTGAAGCTGCGTCGGCGGCTCACGGAGCTCCTGGG GGCGCAGGACGGGCGCTGCTGGTGGCGCTGCTGCA GGCGCTGCGCGTGGCCAGGATGCCCCGGGCTGGAGCG GAGCGTCCGTGAGCGCTTCTCCCTGTGCACTGATCCT GGCCCCCTCTTATTATTCTACATCCTTGGCACCCCACT TGCACTGAAAGAGGC

FIG. 7-150

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569	ADXCRA D_CN341 871_x_at	IRF6	Sense	interferon regulatory factor 6 [Source:HGNC Symbol;Acc:61241]	569	AGCTTTAAGAGGAAAGAGCTCTATTTTCTTGTCTTCTTCT TCTGAGCTAGACTGAGCTGGGATCTAAGATGTACTTCT CTGACTACAAAAGGACAGTATCATTTAGATTTTGTGCA GTTGGAAGAAATGGTTGTTGAGTGTGTTAAGGCTGGG ATGAAGAAGGGCTGGGCAGTACTCTTCTGGAAGGCTC ACCTAGCACGAACCTGC
570	ADXCRIH RC.1844. C1_s_at	NDRG2	Sense	NDRG family member 2 [Source:HGNC Symbol;Acc:14460]	570	GGAATGGGAGTTGGCGGCAGTGAAACGAGTGTGGGA AGGATTGGTGGTGGGCAACAGGAAGGGCCTGGGGC CGTTGGGTGCCCTAACTTTGGTAGCTCAGTGTGCATTT AGAGTGGGACTGGGAGGGAGGTAAAGCTTGGGGTGGG CTGCTTGGGGCTTGGCATAGGGTGGAAGGGCTACCCT GGGCTTTGACCCCTGTAGTATGTGTGGAGGTGCC CTCCCGT
571	ADXCRA G_BX6406 30_s_at	SLC30A7	Sense	solute carrier family 30 (zinc transporter), member 7 [Source:HGNC Symbol;Acc:19306]	571	AAACTGCTATTTCTAACTCTTCATGAAAGCATTACCTTTG GAAAGTTAAACTTTTTTTTCTTTCATCACCGTCTTTGA AACAAATTATTTCCAAATTCATAAGAACCTTTGGTAAAAA AAAAATAAAGGAAATTATATGTTTTCTTTGGACATTCA TTGGAAGGCTTGTGAAGACATGATCCCCCAGAACCT TAGTGACCCAGATCTCAACCAGAGACTCAAGATAGCCT CAAATACAGTGAAAG

FIG. 7-151

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572	ADXCR1H. 2819.C2_x _at	RGPD3 /// RGPD4 /// RGPD5 /// RGPD6	AntiSense	RANBP2-like and GRIP domain containing 3 [Source:HGNC Symbol;Acc:32416] /// RANBP2-like and GRIP domain containing 4 [Source:HGNC Symbol;Acc:32417] /// RANBP2-like and GRIP domain containing 5 [Source:HGNC Symbol;Acc:32418] /// RANBP2-like and GRIP domain	572	AACTGTATTTTAACTTAGCACAAATTAACCTGCAGCATATTT ACTTCATAGCCCCCTTAACATGTCACATTTTACCACAAAG CTTTTCCCTTCATATTTCTAATCACAATAATTTCTCAACAA TTTATAACAATCTGTAATCTGACCTTGACCTGCAATAAATAGTC ATAAACGTTATTTTATTACTATTATTATTTTATTAGAGACA AGGTCTCCTCGTGCCGAA
573	ADXCR1H. 3580.C1_a t	RP11- 460N11.2 (Clone_based_ vega_gene)	AntiSense	Known pseudogene.	573	TCCACACCCAAAATAGATTCCCAAAATAGATATTACAAGT AGGAGAAATTTTATGACTACTCAGATAAAACGACCATTG ATCACTTACAACAACATACAAGTCATAAACAAATACAGAAATA ATATGTGTATACAAAACACAGAAATTTATTATTGGGAA TAGACATATGACTGATTTCATATGTAACTTTGTCTCCACG CTGTCTTAAAGTGTACAGAGTTGAATATTGTCAATTCACA ATTGTCACACAAA

FIG. 7-152

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574	ADXCRIH. 1401.C1_s _at	KRT18	Sense	Keratin, type I cytoskeletal 18 (Cytokeratin-18)(CK- 18)(Keratin- 18)(K18)(Cell proliferation-inducing gene 46 protein) [Source:U+E67niProtK B/Swiss- Prot;Acc:P05783]	574	CACCAAAGTTCTGAGGCATTAAAGCCAGCAGAA
575	ADXCRA D_AA6209 26_at	RP4-717123.3 (Clone_based_ vega_gene)	AntiSense	Novel processed transcript.	575	TAAACTCTCTGAGACTGTTTTCCCCCATGTCAAAACA CCTATTTGCGATGGCTATATGGAATTAATGAAATAGC AAATATGAAAAACTTTTGCCCCAGTGTATAATTCATATCA GGCACTGATCTGTTTTCTTTTGGCCCTAACCTACTTTTCC TGCATCATATACCACTACACCTCTTTACAAACCTTATTAA TAGAGCCACTCTAGACTACTTTTATTTCCCCAAGCCATAC AATGTACT
576	ADXCRA G_NM_00 1909_x_at	CTSD	Sense	cathepsin D [Source:HGNC Symbol;Acc:2529]	576	AAACCCACCTTGTGGAGCCTGCAGGGTGGTGTGGG ACTGAGCCAGTCCCAGGGGCATGTATTGGCCTGGAGGT GGGTTGGGATTGGGGCTGGTGCCAGCCTTCCTCTG CAGCTGACCTCTGTTGTCTCTCCCTTGGCGGGCTGAGA GCCCCAGCTGACATGGAAATACAGTTGTTGGCCTCCGG CCT

FIG. 7-153

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577	ADXCRA D_AV6969 77_at	LCN12	Sense	lipocalin 12 [Source:HGNC Symbol;Acc:28733]	577	CTAGACCCACTGCTGGTCCCCCTTTCTCCCTCCTGCTTCT CACCTGAAGCCACCTGCCCTCCTTTGTGCCCTCCCTT GCTTCTCCTGGGCTCTGTCCCCCTGCTCCCCCTTTGTC CTCCATCCCGACTCCATCTCCCCCACCAGGCTGGTCAC CCCAGGCCAGCGTCTGTTGAAGGATGAAGCAGCTCCTG TCCGGCCAGCCCTGCCCTCACAGCTGTGCGAGCTCTG CCCTTCTCAGCTCTCAAACCTGAATAAATGCACCAAGCC CA
578	ADXCRA G_NM_00 1918_s_at	DBT	Sense	dihydrolipoamide branched chain transacylase E2 [Source:HGNC Symbol;Acc:2698]	578	TGGCAGAGCAACACTTCGTCTCAGAAAAAATAAAAAA CCAAAAACCAAAAGCCAAAGTGGTGGTGCACCTA TAGTCCCAGCTACTCAGGAAGCTGAGACAAAGAGGATCA ATTGAGCCCAAGGAGTTCAAAGCTGTAGTGAGCTGTCTAT TGTGCCACTATCCTCCAGT
579	ADXCRA D.8253.C1 _x_at	TEAD3	AntiSense	TEA domain family member 3 [Source:HGNC Symbol;Acc:11716]	579	GGAGCAGTGCCCAACCAAGGGTTTGTGAGATTCAAGCCT CAGGCAAGAGAAAAATCAAAAGCCTTCTGCTACTCTCTC CCTCTGGGCTCTGGTCTGCCCAGAGGCTGGGACTCCT TCCTCTACCTTGTCTCAATCTGGAGGGTGTGGGGG TGCTCCATCTTACTGGGCCCCCTGGCTGGCTTGTGGGC TGAGGTGCTAATGGGGTCTAGTAGCTGTGCTCCTCCT TCTTCATGCCCCAGTCTGAAACAGGTGCTCCCCCTAACCC AG
580	ADXCRA D.5008.C1 _s_at	DGAT1	Sense	diacylglycerol O- acyltransferase homolog 1 (mouse) [Source:HGNC Symbol;Acc:2843]	580	CAGGAGGCGCTCTCTGCCCCCTATGGGGCTCTGTCCCTGC ACCCCTCAGGGATGGCAGACAGCAGGCCAGACACAGTC TGATGCCAGCTGGGAGTCTTGTCTGACCCCTGCCCCGGGT CCGAGGGTGTCAATAAAGTGTGTCTCCAGTGA

FIG. 7-154

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581	ADXCRP D.13135.C 1_x_at	MLPH	Sense	melanophilin [Source:HGNC Symbol;Acc:29643]	581	AGGATCCGAGTGGTAGTGTTTCTGAGAGTCAGGGTCTA GGTGTGGAGTGCACGAGGCCGATGTAGAGGAGG AGGCCCTGAGGAGGAAGCTGGAGGAGCTGACCAGCAA CGTCAGTGACCAGGAGACCTCGTCCGAGGAGGAGGAG GCCAAGGACGAAAGGCAGAGCCCCAACAGGGACAAAT CAGTTGGCCCTCTAGCGT
582	ADXCRA D_BM726 905_s_at	FAM118B	Sense	family with sequence similarity 118, member B [Source:HGNC Symbol;Acc:26110]	582	AGTAACAATAGCCAGAGGTTGAAGGGCGGGGTAGAAGA GGGGGAATGTTGCAGCGTAATCCTTCATACCACCTGG TTCCTGATATTCTGCCGCCTGTTCAAGTTCAAGAATAAA AGCGACAGCAGGACCCAAATGCAGCTCCCACCCACTC CCCAGGCTAGACATGCTTGTGTCCACACAGCACACCCAA TGTGATACTTCCACTGACCGGCT
583	RDCR301 _B05_at	EME2	Sense	essential meiotic endonuclease 1 homolog 2 (S. pombe) [Source:HGNC Symbol;Acc:27289]	583	ATGCAGTGTGTTCTGAGGTCCTGTACCCCTGAGGCTG TGTGTCTCCTTGGCCAAATTAAAGAGTCTTACTGAATGC GGTGCAATCCAGGAGACAG
584	ADXCRP D.3751.C1 _s_at	YIPF2	Sense	Yip1 domain family, member 2 [Source:HGNC Symbol;Acc:28476]	584	ACTTTTATTTTCTATGCAAAGGTGATTCAGAGAATTTATA TAAAGCGGGCGAGGGGAGCCGAGCAGGAGGAGCTTTG GGACAGGGCTGGGGCCCCCATATCCCCCCCCGGCCAC CTGCTTCCCTCCTATGGCTCCCTGGAACAGGAGGGA GAGCCAAGGGGGCGGCCAGCCTGGACAGCGCCCGC TCCTGCCTGGGTGCACACACGCGGGGCTGAGCTCCA GCATCTGAGTTGGGGTA

FIG. 7-155

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585	ADXCRA D_AA4204 97_at	BTBD3	Sense	BTB (POZ) domain containing 3 [Source:HGNC Symbol;Acc:15854]	585	TGCACATTGTGACATGTACACTAAACCTTAAAGTATAATA ATAATAAAATAAAAAAGAAAAAGAACCTAGTGTGTTA AACCTTAAATGCCCTTAGAAATAACCTAGACCAGTGTTT CTTAAACTGTGGTCATGAGATCAGTTGAATGGATTATGA CCAACATTGAAA
586	ADXCRA DRC.8779 .C1_s_at	RBM4B	Sense	RNA binding motif protein 4B [Source:HGNC Symbol;Acc:28842]	586	CTTGCTTTCCCTAGGAGTTGAATCCCTTCTCCCTGCCTAC CTGCAGCATCTCCTTTCCCTTTAAATGACCATGTAGTG GCAAGCAGCCTTTACTCTTCTGTTAGCTCTGGACTCTT AACACTTAAGTTACTCTTCTGAAATTGCTAGGACCATTG GGNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN TGTGATCGTGGTACAGCATTAGCTGAAATTTACCCCTTGT T
587	ADXCRA D_AU1478 61_at	EGFR	AntiSense	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian) [Source:HGNC Symbol;Acc:3236]	587	AAGGACCCCTGAAAAATGACTTCTCATTTTCCCTGCCTGCAG AAAGAGAAATATTAGGATAGTGTGTGTGCAAAAAAAT GCAAGCTTGCAATGAGAGATGCAGAGTGTGAGGGAGAG AGCACGAAGGGGTGGAGAAAAAGACAGAGAAATTTG AGGTTGACTCACGGCTTTGAAGGGGAAACACAGGAAGANG AAGAAAGTCTGTCTNCCATGGGTCGGCAACCCACACTT TACACATTTT

FIG. 7-156

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588	RDCR108 _G11_at	FAM190A /// SEPP1 /// UBTD1 /// UTY	AntiSense	family with sequence similarity 190, member A [Source:HGNC Symbol;Acc:29349] /// selenoprotein P, plasma, 1 [Source:HGNC Symbol;Acc:10751] /// ubiquitin domain containing 1 [Source:HGNC Symbol;Acc:25683] /// ubiquitously transcribed tetrapeptide repeat	588	ATAAGTGTAACGAGGACTCTAAAGAAACTTGTGTATA ATGCTATCCAAGGTATGTAGCCCCAGGGAATAACCAACC TGATGTGTGTTATGACCCATTTTAAGCCCTCCCGTGATCA CAGTTTTTAAATAAAATTAAAGGACTGCTCCTATTTCTAG GTGACACAAGTAAGTAATAGCTAGAACGGGAAAAAAG AGGGCCCCCAAAATGTAACCTTAAATTTGGTGCTTG TGCCGCTATTGATAGTAAGCAGCATGGAATAGGATGTG GT
589	ADXCRIH. 1549.C1_a t	ELOVL5	AntiSense	ELOVL family member 5, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast) [Source:HGNC Symbol;Acc:21308]	589	TACAGTGCATAAATCAATCCAAATTTAGACCCTGGCAA CCAGTCCCCCATTGCTCATCTACGGGACTCTGTCAACG GTAATAGGCAATCATCTCTCTTGAAAAGTATACATCCT CTCTCGCACTGGTGGAAGCAAAATTGACTTTTGTGTTGC TGATAAAACCCCTTAGCACTTCAA
590	ADXCRA D_BU5409 35_s_at	FZR1	Sense	fizzy/cell division cycle 20 related 1 (Drosophila) [Source:HGNC Symbol;Acc:24824]	590	GGCAGGACCGTGCCACACCAGCTGTCCAGAGTCGGAG GACCCAGCTCCTCAGCTTGACATGGACTCTGCCCTTCCC AGCGCTTGTCCTCCCGAGGAAAGCGGCTGGCGGGCGG GGAGCTGGGCCTGGAGGATCCTGGAGTCTCATTAATG CCTGATTTGTGACCATGTCCACCAGTATCTGGGGTG

FIG. 7-157

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591	ADXCRP D.4167.C1 _at	POLR2F	AntiSense	polymerase (RNA) II (DNA directed) polypeptide F [Source:HGNC Symbol;Acc:9193]	591	TTCGGCATTCTCCAAGTCATCTAGCCCTTCATCCTCCTC CACATCATCAAGTCGTGCCATCAAAATTGTCTCGTT GTCTGACATGACACCTCGCCTCAGCGACCCCGCTGC GCCCCGTCCCGCGGAGACCCGCAACAGCGACAC TACGACTCGCGGCTCCTAGCTTATCTTGGCCCTCGT GCCGAATTCGCCACCCAGGCCCTCGCTACAATTACGGAC CGTTATAGTA
592	ADXCRA D_BX4062 09_s_at	RAB1F	Sense	RAB interacting factor [Source:HGNC Symbol;Acc:9797]	592	CAACCTTTTAGCTATGATGACACATAACAAAAGATGTTTA TGACTAATAGTTGAAATCTGCCCTTTTCTCATTCAAGAA GGCATACAAATATCTGAGAGTGACTTTTGTGTATGGCTA CCCTTGATCTACAGTAATTTATTCTTT
593	ADXCRP D.12748.C 1_at	AC138128.1 (Clone_based_ ensembl_gene)	Sense	Novel long non-coding RNA.	593	GTGGAGAGTTGGCGTCTAGCTGGGATTGGTCG GGGACCCTTAAAGAAAAAGCCAGGCTGAGGGTCCT GAGGAGAGAGAGAGAGGCCACGTGGATGGAGGACTGT CACCCCTTCTCGTTCTGTCAACCCCTTGAGTCTAACT CACTGTTGAGGGAGGAAGAGGGGGATGGACGGAAG GGAGACCGAGGAAAGGCTTTCGGAGTGGGACATTAT CCACCCAGAGGTGTGCTACCCACAACCCGCGAGATC CTTAGAGT
594	ADXCRP D.2825.C4 _x_at	SPDYE2	AntiSense	speedy homolog E2 (Xenopus laevis) [Source:HGNC Symbol;Acc:33841]	594	GAACGTATTTCAAGGAATGGGTCTTCCCTTCAGAGCC ACATGTGTGCGGGACACCCAGACAGAAAAACACAAACAC AAAGTCGAGTGGAGGGCATTTGGAAGGAGCAGTGAAGC CGAGCCAGGAAATACCAAGATGCCAGCCAGTGTGCTT GTAGAGATTGTAGAGAGGGTAGAATTGACACTGTGGAC CCTGGCCTCGATAGAGAAAGGCATCAGCTAAGGAAGTT GTTCA

FIG. 7-158

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595	ADXCRP D.2994.C1 _s_at	CORO1C	Sense	coronin, actin binding protein, 1C [Source:HGNC Symbol;Acc:2254]	595	GAACATTCTGGATAGCAAGCCCACTGCAAAACAAGAAGT GCGACCTGATCAGCATCCCCAAGAAACACACAGACACG GCCAGTGTGCAAAATGAAGCCCAAGTTGGATGAGATTTTA AAAGAGATCAAAATCTATAAAGACACACAATCTGCAATCAA GATGAGCCCGTATTTCCAAGTTAGAACAAAGCAGATGGCA AAGATAGCAGCCTGAAGGTCCCACC
596	ADXCRA G_BX6473 58_x_at	NPIPL2	Sense	nuclear pore complex interacting protein-like 2 [Source:HGNC Symbol;Acc:34409]	596	TGATAATCTCAAGACTCCTCCCTTAGCTACTCAGGAGGC CGAGCGGAAAAACCAACCCCAACCCCAAGAGGTGGAGG GTGGATGAGGTGGAACAATCACCCGAAACCCCAAGAGGC GGAGGGCGGATGAGGTGGAACAATCGCCCAAGCCCAA GAGGCAGAGGGAGGCCGAGGCACACAATTACCCAAA CCCAAGAGCGGAGGTTGAGTAAGCTGAGAACACGCC ATTGCACTCAAGCCTGGCAATAAGAAATAATCCGTGG GTCGA
597	ADXCRA D_BX1176 13_at	HIF1A	Sense	hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor) [Source:HGNC Symbol;Acc:4910]	597	AATTTACCAAGCCACATATTGGGAATGGTACCCCAAGGC AGAAGGAGTAGAGTAAGCAAGCCAGAAAGGAAATACTA TGGTGCTTTTGAGTAACTGCAGTGTGGCTGAAGAATGT GGAAAATGATGAGGATAAAGAGGTGGACAGGGAACCTAG GTAAGGAGGGCCTTCCTTTTAAATAATTAGACCTTGTC CTGTGTACATTTAATGGGATTTTAATCAGGCCATAATGC CAAATTTCTTTACTTCGGAAGGATCTTTATGGTGATGGT TTCAGA

FIG. 7-159

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598	ADXCRA D_CK3002 13_at	TIMM22	Sense	translocase of inner mitochondrial membrane 22 homolog (yeast) [Source:HGNC Symbol;Acc:17317]	598	ATTTTCTTGGCCTAGTTGTGTGCCATGGATATTT
599	ADXCRA D.15724.C 1_at	MYO1E	AntiSense	myosin IE [Source:HGNC Symbol;Acc:7599]	599	GAGGGATATTATTTCCATAGCCATTACCATGATACATAT GATACTGCCTAGGTAGAGCTGGGACTGTAGGGTGGG AACCAATGCTGTCTCGCACACTGAAACTATGAATGCCAA GATATCACTGCCAGATCCTTCTGTGGATAGCTGGCGGC AT
600	ADXCRA D_NM_00 6932_x_at	RP3-412A9.10 (Clone_based_ vega_gene) /// SMTN	Sense	Putative processed transcript /// smoothelin [Source:HGNC Symbol;Acc:11126]	600	GAAGCCTGACCCCAAGTGTGTCTTACCTATGTGCAGT CGCTCTACAACCACCTGCGACGCCACGAACTGCGCCTG CGCGGCAAGAATGTCTAGCCTGCCCGCCCGCATGGCC AGCCAGTGGCAAGCTGCCGCCCCCACTCTCCGGGCAC CGTCTCCTGCCTGTGCGTCCGCCCCACCGCTGCCCTGTC TGTTGCGACACCCCTCCCCCCCACATACACACGACGCGGT TTTGATAAATTATTGGT
601	ADXCRA DRC.1380 3.C1_s_at	SLC11A2	Sense	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2 [Source:HGNC Symbol;Acc:10908]	601	GCATTATTACTGATACTTGCACACAGTCAAAAGCGCAGA CTGGATGGATGGTCTTTTATAAGGCATTTAAGGGTACAC TACTGTGTTTCACTGACCATAACATTTTCTTAGCCCCCTCA AGTAATATAGCACAGAGTTATGAATGACAATCCCCCTAA CCATTCCCTTTCATATCTGCCCTCTTCCCTTACCATCGT AATTCTCCAAACTGGTCATAAAGGCACACTCTGTG

FIG. 7-160

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602	ADXCRP DRC.8133 .C1_at	SLA	Sense	Src-like-adaptor [Source:HGNC Symbol;Acc:10902]	602	CATTAAGTCCTCTGTAAAGGTGTCAGGCAAGCCNNNNNN NNNNNNNNNTGGTAAGTCCCTAACCCCCCACAAGGT GTTCCAGTGACTACCT
603	ADXCRP D.13304.C 1_at	GREM1	AntiSense	gremlin 1, cysteine knot superfamily, homolog (Xenopus laevis) [Source:HGNC Symbol;Acc:2001]	603	TTCGCTGGTTCTGAATGTCATTTTTCCCTCCCTGGTGTGG TTTTACATTTTCAGCTTCTTTCCCTTTTCTCTCTCCAC CCTCAAAATTCTGCCCTTAGCATTGTGTGCTTAATTAAT CCACTCTGTGCTTTATAGTTGGAGAAATGTGGACAATACA AAGATTTGGGTGGGTGCATACAGTGTATACAAAACAC AGACACTATGTGTTTGGACAAATTCGCCTAGCGTGAGAA TCATCAGTAGTGAGTTAAACGTTTGAAATCAGAGCCAA
604	ADXCRP D.11084.C 1_at	TJP2	Sense	tight junction protein 2 (zona occludens 2) [Source:HGNC Symbol;Acc:11828]	604	TAATTATTGCTGTGGATTCTCTCTAGCATTTTAGCTCAT TCCAGTAAATGATTTTTTCTTTATGAAATAGAACTACCN NNNNNNNNNNNNNNNGTTCAACAACAACAACAACTGA AGGGGAGAAAAATACACCATTACCACAGCAACAAATT AGTTTATG
605	ADXCRSS .Hs#S373 9317_at	TEX10	AntiSense	testis expressed 10 [Source:HGNC Symbol;Acc:25988]	605	TTCTCCCAGTACCTCATTTGCACAAGCCTTCCTGCCATT CTTCAAATATGCGAAGCCTGTTCTCACCTCAAAGCCATT GTACTTGCTGTTTCCCTATGCCCTGAATGTTCTTCCACAG ATGTTGACAAGACTTGCTCCTTCACTTCAATGACATTCA GATATCTTATTCTCAGAGAGCATTTGACAACCTATCTAAA ATAGCTCCCCCTCACTGTTCTGCCCCATGCTCTTTATAC CCCATTTTACTTTTCATCTTTCTTCTCTAGTACTGACATTAT

FIG. 7-161

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606	ADXCRP .Hs#S298 5244_at	NDUFA13 /// YJEFN3	AntiSense	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 13 [Source:HGNC Symbol;Acc:17194] /// YjeF N-terminal domain containing 3 [Source:HGNC Symbol;Acc:24785]	606	AGAACTAGCAAAAGCCAAAGGCCCTGGGGCGGGAGGA GCCTGGTATGTTCAAGGGGCAGAGGGAGGCTGAAGC AGAGTGATCAAGCGGACAGGGCAGGCAGAGCCTCAA TCCAGACTGAGGAACATGGTGAACGAGGACACTTCGG GGTCCACACATAAAGACGGAGACAGAGACTCAGGGC AGGAAAGTCACATGCCCTGGGACACCCCAAGTAAACAGA GCCAAACTCAAACCTCAGCCTGTCTGCAGCTGACATAG GATGAAGTT
607	ADXCRP D.13218.C 1_s_at	THRA	Sense	thyroid hormone receptor, alpha (erythroblastic leukemia viral (v-erb-a) oncogene homolog, avian) [Source:HGNC Symbol;Acc:11796]	607	TAAGTTATTAAGTGGCTGACCCAGAGGGGAGGACCCC CCCTTTACCACCCCATGCACTTTGCAGCTGCCCTTC TTCCCCACATCAGAGAGAAATGCCCCACACACAGAGC CCCAAGGGTAGGGCTGCCGATCAGAGCTGTGAGTTAAC ACAACAGG
608	ADXCRP D.7267.C1 _s_at	MED12	Sense	mediator complex subunit 12 [Source:HGNC Symbol;Acc:11957]	608	AGCACCAAGTAGTGGTTGGGGCCCTCCCCCTCAGGCTCCA TTTTTAATAAGTTTTTAGTATTTTGTAAATGTGAGGCATT GAGCTGTTGGGTTTGTATATTTATTTATATAGAGACCCC AGAGCTGTTGCACCCAATACACAGAGCTTCTTTGCAA

FIG. 7-162

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609	ADXCRA D_BP3971 77_s_at	KLF6	Sense	Kruppel-like factor 6 [Source:HGNC Symbol;Acc:2235]	609	TACACACATGTGAGTCTGGCTGGCTGGTATTTTGTGTTG ATCTTCCCTGGAAATGAGCAGTGACTAAGCTCACATAAC TGGTTTTTTTTTATCTGGCTGATGAATACATTTACCT AAGAAACTCATTTTCGTTTACTTAAGAGGGGAAGTGCAG TTTTCTTTTGGCAGTTCAGAAATCCAAGCACTTGATTGCT GGGTTTGGAAAACTCCTTTTTTGGCCTTCTATGTGCTTA GCCATAACAAATCCAT
610	ADXCRSS .Hs#S191 8301_at	N/A	No Transcript match	N/A	610	AGAGGGGTCACCATACTTTTCTTCAGTTCATGTAACT GAACAATCTTTTCTTGCTAATCTGAACACCCTGTGCAA TAGAGTCTGACTCCATTTTTTTGATGTTTGACTGCAGACA TCTTTTCAGCCTAACCCCTCCATCTTCTCTTCTGTCCAA CACTGGGGCAAGCTGACAAAATCCTCAGGTGCTCCTC TTCTGTAACCAGCAGTAAGTTCGAATCATACACTGCCAC CCTCACCCCAACCCTGTCCCTTAACCACATTAAACCCCA AAGCCAGTCTCCT
611	ADXCRIH RC.2931. C2_s_at	STAT1	Sense	signal transducer and activator of transcription 1, 91kDa [Source:HGNC Symbol;Acc:11362]	611	GGGCCTGTTGAAGATGCTTGATTTTACTTTTCCCTTGT AAATGCTATTCCCATCACAGCTGAACCTTGTGAGATCCC CG

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612	ADXRSS .Hs#S191 8097_at	ZFAND3	Sense	zinc finger, AN1-type domain 3 [Source:HGNC Symbol;Acc:18019]	612	GAGGAGATAAATAACAGAGGTCAAGAAGATGAAGAGT TGTTCAAACATGGTACAGTTGAGATTCCTAGCATTATT CTAGTCAGACGTGTCTGTCAAGTAGGCCATTGGATATC GGGATTGGGATTGAGGGGAATCCATAGATGGAATAT AAGTTCAAGAGGCATCAGCATGGATACCCATTATTGGATC TGGATGAAATTACCTAAGGAGAAAATGCAGGAGGACG TGATGCTGGGTGATTTTAGAGGAGAAACCATGAAGGATT CCAAGGAGCAGCAGTTGGTCA
613	ADXRCP DRC.1321 0.C1_s_at	ROD1	Sense	ROD1 regulator of differentiation 1 (S. pombe) [Source:HGNC Symbol;Acc:10253]	613	AAAAATTCATCCCATATCCAGAAAGTACCAGTTATAAAG ATTGCTGACCAAGCAAAGTTTTGCATCAAAAGTGCACCT CATTGCTCTGACCAAAGACTGACTGTTGTGGTTTAACT
614	ADXRCP D.5524.C1 _s_at	EML2	Sense	echinoderm microtubule associated protein like 2 [Source:HGNC Symbol;Acc:18035]	614	ACACCAGTGTGCTACAGTGGCGGGTGGTCTGATGCGG CCAGGAAAGAGTCAGGTGTACGGCAGGAATTCTATTT TCGGGAGATGCTCTATTGCCGAGTAGAGTAATATATACCC AGAGTATGTCTATAGCAGAGGGGTTATGGGGCGGG AGGGTAGACTGACATACAGAAGTCTCTATTATCCGGGT GGGAAGAGGGAGTCACATCGCTTT

FIG. 7-164

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615	ADXCRA D_CA3134 35_s_at	HIST2H2AA4	AntiSense	histone cluster 2, H2aa4 [Source:HGNC Symbol;Acc:29668]	615	CCAGCTGGAGGTGACGAGGGATGATGCGCGTCTTCTTG TTGTCCCGAGCCGCTTGCCCGCCAGCTCCAGGATCTC GGCGGTGAGATACTCGAGGACCGCAGCCATGTAGACG GGCGCGCGCCCGCCACTCGCTCCGCGTAGTTGCCTT TGCGCAGCAAGCGATGCACTCGCCCTACCGGGAACG AAGGCCAGCGCGGACGACGCGGACTTGGCCTTGGCG CGGCGCTTGCCTCCTTGCTTGCCACGACGACAGACATGAC AGCGATAGTAGTCACCGAGAG
616	ADXCRA D_CX8704 01_x_at	BAT1 //SNORD84	Sense	small nucleolar RNA, C/D box 84 [Source:HGNC Symbol;Acc:32743] /// HLA-B associated transcript 1 Fragment [Source:UniProtKB/TrE MBL;Acc:B0V2LQ] /// small nucleolar RNA, C/D box 84 [Source:HGNC Symbol;Acc:32743]	616	GAACATGATTGCACACTACTGTGCTCCAGCTTGGGCAAC AGAGTGAGATCTTGCTCCAAAAGTCTTGAAGGATTTT AGGAAGTTGTTAAAAGTCTTGAACGATGTTTGGGGGCA TGTTAGGGTTCTTGAATGTTTAATTCCTCTAATAACTGCT TATTCAGAGAGAACGATTTCTGACTGGGTGCAGGGCA
617	ADXCRA D.6719.C1 _s_at	FGFBP1	Sense	fibroblast growth factor binding protein 1 [Source:HGNC Symbol;Acc:19695]	617	ATGAACCTTTTGTGCTTAGTGAGTGCAACGAAATATTTAA ACAAGTTTTGTATTTTTGCTTTTGTGTTTTGGAATTTGC CTTATTTTCTTGGATGCGATGTTTCAGAGGCTGTTTCCT GCAGCATGTATTTCCATGGCCACACAGCTATGTGTTTG AGCAGCGAAGAGTCTTTGAGCTGAATGAGCCAGAGTGA TAATTTCAAGTGCAACGAACTTTCTGCTGAATTAATGGTA

FIG. 7-165

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618	ADXCRA D_AL5471 57_x_at	ANP32A	Sense	acidic (leucine-rich) nuclear phosphoprotein 32 family, member A [Source:HGNC Symbol;Acc:13233]	618	GGAGGATGAAGAAGGTTATAACGATGGAGAGGTAGATG ACGAGGAAGATGAAGAAAGAGCTTGGTGAAGAAGAAAGG GGTCAGAAGCGAAACGAGAACCTGAAGATGAGGGAG AAGATGATGACTAAGTGGATAAACCTATTTTGAA
619	ADXCRA D_AK0219 81_at	AL157877.1 (Clone_based_ ensembl_gene)	Sense	Known long non-coding RNA.	619	GTGAGCTGTGATGTTGCCGCTACACTCCAGGTGACAGA GCAAGACCCCTAAGACCTTATCTCTT
620	ADXCRIH. 311.C1_s_ at	ARHGAP12	Sense	Rho GTPase activating protein 12 [Source:HGNC Symbol;Acc:16348]	620	ATCAACTGAATCCAATATTTCCCTGTGGCAAATAACACTTT CCTCATTTTCATACCTTTTCTCCTCTCTTCCATGCCAACAT TTCTCCACCCACAACGTACACTTTTATTTCTCCATCAAT ATTTGAAAGCGAGTGATTTGTGACCAGGA
621	ADXCRA D_BP2098 40_s_at	GOLGA2	Sense	golgin A2 [Source:HGNC Symbol;Acc:4425]	621	CAGCAACCCCTGCATTCCCTTTTTTTACCGGGCTGACGA GAATGATGAGGTGAAGATCACTGTCATCTAAAAGCCGG CTACTGTCAGCAAAGCCTGAAGAAGTGGGCTGGATAC CCTGCCCCCACCATATCCCTACCATCCCCTTCTCAGT
622	ADXCRA D.15297.C 1_s_at	IGF2R	Sense	insulin-like growth factor 2 receptor [Source:HGNC Symbol;Acc:5467]	622	ACAAGCAGACATGCACCTCTCTTCTCTCCTGGCACACG CCGCTGGCCTGCGAGCAAGCGACCGAATGTTCCGTGA GGAATGGAAGCTCTATTGTTGACTTGCTCCCCCTTATTC ATCGCACTGGTGGTTATGAGGCTTATGGTAAGAGTGAG GATGATGCCCTCCGATACCAACCCCTGATTTCTACATCAAT ATTTGTACGCCACTAAATCCCATGCACGGAGTGCCCTG TCCTGCCGGAGCCGCTGTGTGCAAAAGTTC

FIG. 7-166

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623	ADXCRP D.16372.C 1_x_at	GLB1	AntiSense	galactosidase, beta 1 [Source:HGNC Symbol;Acc:4298]	623	TCTCCTCTTCAGTCTTCATCATGTTTTGTCCCTCAAACA TCAGCCTTACGTCTCTTTTCTTCCCTCTGCATCCTCTC TCCTTGAGAGACCTCATCCAGCCCATGTTTTCAACAATC ATCTATACAACAATGATCTTCTACATACATTCTCTGGCCC AGATCCCTGCCCTGAATTCAGCCCTATAGATCCAACAA CCCTCCTCCAATACTGTCTTTCCAGGCCATTCTCCAGGC CTCTGCTATGGTCTGAATGTTGTGCCAAAACATGAT GAAG
624	ADXCRSS .Hs#S159 1474_at	TMPRSS4	AntiSense	transmembrane protease, serine 4 [Source:HGNC Symbol;Acc:11878]	624	AAGACAGTCCTCAGAAAACCCAAAGCTTTCATACAGATGC CAAAAAGTCCATGGGGTTTAAATCTTTGACCATTTTGA GTGAGGGACTTATTCATGCTTACATCCTCACAACCTCAG CTTGGGGACTGCCCTCACACCTGGCAGCTGATCCTTTTT GTTTTTAAATGTAAAGCCACACTGAGGGCTCTCCAG GCGGAAAAAGTTAGGACACAGGACGACGATTTCTTTCC AGCCACTTGTGGATCCCTGATTGAATGTCACCCCTTGACT GCCTAACTCATCTCTTTCC
625	ADXCRP D.8597.C2 _at	FAT1	AntiSense	FAT tumor suppressor homolog 1 (Drosophila) [Source:HGNC Symbol;Acc:3595]	625	CGACTAATCATCTTACGGCAGAGAACAAACACCACCAC CAAGTAAAAATATCCCTGCAACAAACACAAACGGATTCCA ATTCCTTCCGGCCAAACCAATGTTCCACGGCGTGGACA CATACTGTTGGCGCAGGCATCCTCGCAGTGACGTCC CCTGTACTCGTGGCTGCAGTTGCAGTGATAGGAGCCGT GCGTGTCTCACAGAGGGCCCCCGTGCAGGCAAGGGTT TCCAGAGCACTCGTCGATATCACTCTGACACCTTTCTCC CCTAAAACCCCGAATCACACTGACAA

FIG. 7-167

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626	ADXCRA D_CD721 975_s_at	ETNK1	Sense	ethanolamine kinase 1 [Source:HGNC Symbol; Acc:24649]	626	ACTATCCAGGAAGGAAATTTACAGTATATCTCATTTTG GGGTTTGGAGGATGTGTACAAATAGTGTAAATTGAAAA TTGATAAAATAAAAAATCTTATATACCTTATATTGGGTAAA GGAAGATAGGAGAAAGTGACAGAGCCGAGAGAGAGAGAG AGTGTTTATGTGTGAAGGAAATAAGAAAGCTCAGTCTTA TAAGAAAGTCTCAGATAATGTGTAGACTTTACAGAAAAGC AGTTAAGAATGGTAT
627	ADXCRA G_XM_37 4317_s_at	AC011043.1 (Clone_based_ ensembl_gene)	Sense	Putative uncharacterized protein DKFZp667B1610 [Source:UniProtKB/TrE MBL; Acc:Q69YS9]	627	GTATCCAAGTCCATTGTTACTAGGTGGAGGCTGGAGA TTCTAAATGGCTTCCAGACCATCTCTCTGATTCCTTTG GGAGATGGGCTCTGAAAGACAAATGTCAGTAGTTTGGG AAATTCTAGAAAGTGTGCTTGGAACCTGGGAAGAGCT CTTGCCTAGTGCCTAAATGCTCCAATTTGCAGCTCTAGCC AAGTAGATACTTGGTAGGTATAGAGCCGGTTTGCGTTT ATATTAGCAAAACCTATGTCAGAGTTGAAGA
628	ADXCRIH. 3322.C1_a t	N/A	No Transcript match	N/A	628	TTCCTTATGGTGGTGATGATTATTGTAATCATACTTG GGAACAGAAAGTGATGAAAAAGGTATGTTACTTGAGATAT GGGAAACGCTATTTCCATGTTTAGTTATGGGGTATTCA AGTCTAACTAGTGGAAAGTATGGATACATT
629	ADXCRA D_BF7268 49_at	TLCD2	Antisense	TLC domain containing 2 [Source: HGNC Symbol; Acc:33522]	629	TCTGTGATTCTCTTTGTCAGCTCCTTTGCCTATATTTGCA TCTCAGTTGACACCCCTGATTCTGACTTGTCCTTATCTT CCTACCAGTCTCTGCCGA

FIG. 7-168

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630	ADXCRA G_D50419 _s_at	ZNF175	Sense	zinc finger protein 175 [Source:HGNC Symbol;Acc:12964]	630	GTTGTATCAACAATGATTAACTCCTTTATTATACATACAC ATGAATGTGCATTTTTGGTAAATGCATAAATGAGATTCTA TAATGTTTACTGATCTTTATATTACAGATTTTCTCTCTTT TAGGATTAGCTCAGCTTGCCCCCCTTTCCATCTCCACC ATCTATAGTGAGCCTCTCCATAATTAGTGCCAACCATTA GTCTCGTTCATATTTTACACCAGGAGTCAACAAA
631	ADXCRA G_BC028 135_s_at	P2RY2	Sense	purinergic receptor P2Y, G-protein coupled, 2 [Source:HGNC Symbol;Acc:8541]	631	CCCCAGCCCAAGAGATGAACATCTGGGGACTAATATCA TAGACCCATCTGGAGGCTCCCATGGGCTAGGAGCCAGT GTGAGGCTGTAACCTTATACTAAAGGTTGTGTTGCCTGCT
632	ADXCRP D.3982.C2 _at	TNPO3	Sense	transportin 3 [Source:HGNC Symbol;Acc:17103]	632	GAAGACTAAACAGAAACCAGAACTGAAACATTACCTG GTAGCAAATGACACTTTG
633	ADXCRSS .Hs#S548 4315_s_at	MEX3A	Sense	mex-3 homolog A (C. elegans) [Source:HGNC Symbol;Acc:33482]	633	TTCTCGCCCCACCTAGGACAGATTCCCCCTGCTCTTTT TGTCCTAGAAACCCCGCTAGTTTGGGATGGTAGCGTCT GGGGTGGGAGGGCTTCCCCTTCCCCACTCGAGGGTG CGGGTGGGAAAGGGGGTGGTGGAGACAGCCCTG GGGCAGGGAGGATGCTCTCTCCACTGTAGAAAGTAGAG TAGGATTGTGTCAGACTTAATTTGAGGCATCTAGTGAA GACACGTACAAATCCACCAAGGAA

FIG. 7-169

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[illegible]

FIG. 7-170