TABLE 45

Site	Primer Name	Sequence	Length	SEQ ID NO:
Universal Primer	iCDx-2000-Uni_Mul_Pri	GGTGTCGTGGAGTTCAACrATAAC/3SpC3/	~~24~~ 23	1
VIM				
Forward PCR Primer	AcDx-5001-VIM-S1-FP	CGAGTCGGTCGAGTTTTAGTCrGGAGC/3SpC3/	~~27~~ 26	2
Reverse PCR Primer with long tail	AcDx-5002B-VIM-S1-RP	GGTGTCGTGGAGTTCAACATAATCCCGAAAACGAAACGTAAAAACTACrGACTG/3SpC3/	~~54~~ 53	3
Upstream LDR	AcDx-5003-VIM-S1-Up	TCTCATACCAGACGCGGTAACTCGAGTTTTAGTCGGAGTTACGTGATCACrGTTCG/3SpC3/	~~56~~ 55	4
Downstream LDR	AcDx-5004-VIM-S1-Dn	/5Phos/GTTTATTCGTATTTATAGTTTGGGTAGCGCGTTGCGGTTCGTGTCGCTGTGCTTA	55	5
Real-Time Probe	AcDx-5005-VIM-S1-RT-Pb	/56-FAM/AATGATCAC/ZEN/GTTTATTCGTATTTATAGTTTGGGTAGCG/3IABkFQ/	~~41~~ 38	6
Tag Forward Primer	AcDx-5006-VIM-S1-RT-FP	TCTCATACCAGACGCGGTAAC	21	7
Tag Reverse Primer	AcDx-5007-VIM-S1-RT-RP	TAAGCACAGCGACACGAAC	19	8
Dwnstrm PCR Primer	AcDx-5008-VIM-S1-PCR-V	TAAGCACAGCGACACGAACCGAAACGTAAAAACTACGACTAATACTAAAATGrCAACA/3SpC3/	~~58~~ 57	9

Site	Primer Name	Sequence	Length	SEQ ID NO:
CLIP4-1				
Forward PCR Primer	AcDx-5021-CLIP4-S1-FP	GGTTGAGGGTTGTGAAGGCrGGTGA/3SpC3/	~~25~~ 24	10
Reverse PCR Primer with long tail	AcDx-5022B-CLIP4-S1-RP	GGTGTCGTGGAGTTCAACATAATCGTCTACGAAATATCGCAATATTACCrUCCCT/3SpC3/	~~55~~ 54	11
Upstream LDR	AcDx-5023-CLIP4-S1-Up	TCCAAACAAGCTGATCCGTACAGGTTGTGAAGGCGGTGGGCACrGTATA/3SpC3/	~~49~~ 48	12
Downstream LDR	AcDx-5024-CLIP4-S1-Dn	/5Phos/GTACGGCGTGTCGGAGTCGTTTGGTGTGTCGGAGCGGTTACTA	43	13
Real-Time Probe	AcDx-5025-CLIP4-S1-RT-Pb	/56-FAM/AATGGGCAC/ZEN/GTACGGCGTGT/3IABkFQ/	~~23~~ 20	14
Tag Forward Primer	AcDx-5026-CLIP4-S1-RT-FP	TCCAAACAAGCTGATCCGTACA	22	15
Tag Reverse Primer	AcDx-5027-CLIP4-S1-RT-RP	TAGTAACCGCTCCGACACA	19	16
Dwnstrm PCR Primer	AcDx-5028-CLIP4-S1-PCR-V	TAGTAACCGCTCCGACACACGCCGCGAAACCAAATGrACCCT/3SpC3/	~~42~~ 41	17
GSG1L				~~18~~
Forward PCR Primer	AcDx-5051-GSG1L-S1-FP	AGTCGGAGTCGAGTTGGTCrGTCGC/3SpC3/	24	19

Site	Primer Name	Sequence	Length	SEQ ID NO:
Reverse PCR Primer with long tail	AcDx-5052B-GSG1L-S1-RP	GGTGTCGTGGAGTTCAACATAATCGTCTACGAAATATCGCAATATTACCrUCCCT/3SpC3/	54	20
Upstream LDR	AcDx-5053-GSG1L-S1-Up	TCTGCCAGAACACCGACACGGAGTCGAGTTGGTCGTCGCTCrGCGTA/3SpC3/	46	21
Downstream LDR	AcDx-5054-GSG1L-S1-Dn	/5Phos/GCGCGTATTTATTAAGTTCGTTGAGTTTTTTTTCGTACGGTGTGTTGGCGTACGGTGA	58	22
Real-Time Probe	AcDx-5055-GSG1L-S1-RT-Pb	/56-FAM/AAGTCGCTC/ZEN/GCGCGTATTTATTAAGTTCGT/3IABkFQ/	30	23
Tag Forward Primer	AcDx-5056-GSG1L-S1-RT-FP	TCTGCCAGAACACCGACAC	19	24
Tag Reverse Primer	AcDx-5057-GSG1L-S1-RT-RP	TCACCGTACGCCAACACAC	19	25
Dwnstrm PCR Primer	AcDx-5058-GSG1L-S1-PCR-V	TCACCGTACGCCAACACACCACACCGACATCTAATACTCGTATGrAAAAG/3SpC3/	49	26
PP1R16B				
Forward PCR Primer	AcDx-5061-PP1R16B-S1-FP	GGGTTTTTATTCGAGAGCGTCrGGGAC/3SpC3/	26	27
Reverse PCR Primer with long tail	AcDx-5062B-PP1R16B-S1-RP	GGTGTCGTGGAGTTCAACATAATCCCAAAACGAAACCTAAACTCCrUAAAG/3SpC3/	50	28
Upstream LDR	AcDx-5063-PP1R16B-S1-Up	TTCGTGGGCACACAAGCAACGAGAGCGTCGGGATTTTGTCTCrGCGCC/3SpC3/	47	29
Downstream LDR	AcDx-5064-PP1R16B-S1-Dn	/5Phos/GCGTTGTTTTTTAAGTCGGATGGAGTTGAGCTTGCTTGGCTTGATCTACCTGA	53	30

Site	Primer Name	Sequence	Length	SEQ ID NO:
Real-Time Probe	AcDx-5065-PP1R16B-S1-RT-Pb	/56-FAM/AATTGTCTC/ZEN/GCGTTGTTTTTTAAGTCGGATG/3IABkFQ/	31	31
Tag Forward Primer	AcDx-5066-PP1R16B-S1-RT-FP	TTCGTGGGCACACAAGCAA	19	32
Tag Reverse Primer	AcDx-5067-PP1R16B-S1-RT-RP	TCAGGTAGATCAAGCCAAGCAA	22	33
Dwnstrm PCR Primer	AcDx-5068-PP1R16B-S1-PCR-V	TCAGGTAGATCAAGCCAAGCAAACCTAAACTCCTAAAACTAAAATAAACGTGrCTCAG/3SpC3/	57	34
KCNA3				
Forward PCR Primer	AcDx-5071-KCNA3-S1-FP	GCGCGCGTTTCGTTTTCrGGGAA/3SpC3/	22	35
Reverse PCR Primer with long tail	AcDx-5072B-KCNA3-S1-RP	GGTGTCGTGGAGTTCAACATAATCGCCGAAATACAACATAAAAACTCrUTTCA/3SpC3/	52	36
Upstream LDR	AcDx-5073-KCNA3-S1-Up	TTTCAGGCCCTAACCACCACGCGTTTCGTTTTCGGAGGTAATCrGTCAA/3SpC3/	48	37
Downstream LDR	AcDx-5074-KCNA3-S1-Dn	/5Phos/GTCGGGTTTGTATTTTTTGTAGTTTTTAAGGTTTTTCGGTGTGGGATTAAGGGCGATGGA	60	38
Real-Time Probe	AcDx-5075-KCNA3-S1-RT-Pb	/56-FAM/AAGGTAATC/ZEN/GTCGGGTTTGTATTTTTTGTAGTTTTTAAGG/3IABkFQ/	40	39
Tag Forward Primer	AcDx-5076-KCNA3-S1-RT-FP	TTTCAGGCCCTAACCACCAC	20	40

Site	Primer Name	Sequence	Length	SEQ ID NO:
Tag Reverse Primer	AcDx-5077-KCNA3-S1-RT-RP	TCCATCGCCCTTAATCCCAC	20	41
Dwnstrm PCR Primer	AcDx-5078-KCNA3-S1-PCR-V	TCCATCGCCCTTAATCCCACCAACATAAAAACTCTTTCGCTAACACTGrAAAAG/3SpC3/	53	42
GDF6				
Forward PCR Primer	AcDx-5081-GDF6-S1-FP	GGTTGCGTTTTTTTAGGAGGCrGGTGA/3SpC3/	26	43
Reverse PCR Primer with long tail	AcDx-5082B-GDF6-S1-RP	GGTGTCGTGGAGTTCAACATAATACCCCGACCGCTATCCrAACCA/3SpC3/	~~31~~ 44	44
Upstream LDR	AcDx-5083-GDF6-S1-Up	TCACTATCGGCGTAGTCACCAGAGGCGGTGGCAGCrGGCAC/3SpC3/	40	45
Downstream LDR	AcDx-5084-GDF6-S1-Dn	/5Phos/GGCGTAGGACGCGCGGG TGGTGACTTTACCCGGAGGA	37	46
Real-Time Probe	AcDx-5085-GDF6-S1-RT-Pb	/56-FAM/AATGGCAGC/ZEN/GGCGTAGGACG/3IABkFQ/	20	47
Tag Forward Primer	AcDx-5086-GDF6-S1-RT-FP	TCACTATCGGCGTAGTCACCA	21	48
Tag Reverse Primer	AcDx-5087-GDF6-S1-RT-RP	TCCTCCGGGTAAAGTCACCA	20	49

Site	Primer Name	Sequence	Length	SEQ ID NO:
Dwnstrm PCR Primer	AcDx-5088-GDF6-S1-PCR-V	TCCTCCGGGTAAAGTCACCAAACCGCTCCGTACCCTGrCGCGC/3SpC3/	42	50
ADHFE1				
Forward PCR Primer	AcDx-5101-ADHFE1-S1-FP	GGTGCGAGCGTCGTTrGGGAC/3SpC3/	20	51
Reverse PCR Primer with long tail	AcDx-5102C-ADHFE1-S1-RP	GGTGTCGTGGAGTTCAACATAATGCCTACCCACCCGCrUTCGT/3SpC3/	42	52
Upstream LDR	AcDx-5103-ADHFE1-S1-Up	TTGATTGGGATCGTTCGCACGGGTAGTTGGCGTTTTGGTTTTTATCTCrGTGAA/3SpC3/	53	53
Downstream LDR	AcDx-5104-ADHFE1-S1-Dn	/5Phos/GTGGGAAAATGGTTTTGAGTTCGATTGGTTTGAGGTGGCTCAATAACGGGCAGA	54	54
Real-Time Probe	AcDx-5105-ADHFE1-S1-RT-Pb	/56-FAM/AATTATCTC/ZEN/GTGGGAAAATGGTTTTGAGTTCGA/3IABkFQ/	33	55
Tag Forward Primer	AcDx-5106-ADHFE1-S1-RT-FP	TTGATTGGGATCGTTCGCAC	20	56
Tag Reverse Primer	AcDx-5107-ADHFE1-S1-RT-RP	TCTGCCCGTTATTGAGCCAC	20	57

Site	Primer Name	Sequence	Length	SEQ ID NO:
Dwnstrm PCR Primer	AcDx-5108-ADHFE1-S1-PCR-V	TCTGCCCGTTATTGAGCCACCCCACCCGCTTCGTG rAAATT/3SpC3/	40	58
THBD				
Forward PCR Primer	AcDx-5331-THBD-S1-FP	TATAGGACGTCGATGGCGATArGTTTC/3SpC3/	26	59
Reverse PCR Primer with long tail	AcDx-5332B-THBD-S1-RP	GGTGTCGTGGAGTTCAACATAATCGATCCGCATATCAAAAACTACCrUCGCG/3SpC3/	51	60
Upstream LDR	AcDx-5333-THBD-S1-Up	TTCAGAGCACCTGCGTACCACGTCGATGGCGATAGTTTTTTTTGCTCrGTTCC/3SpC3/	52	61
Downstream LDR	AcDx-5334-THBD-S1-Dn	/5Phos/GTTTTAGTTTAGATATTTTTTGTCGTTGCGCGTAGTTTTTGGGTTCTTCGGCTGGCTCAA	60	62
Real-Time Probe	AcDx-5335-THBD-S1-RT-Pb	/56-FAM/AATTTGCTC/ZEN/GTTTTAGTTTAGATATTTTTTGTCGTTGCG/3IABkFQ/	39	63
Tag Forward Primer	AcDx-5336-THBD-S1-RT-FP	TTCAGAGCACCTGCGTACC	19	64
Tag Reverse Primer	AcDx-5337-THBD-S1-RT-RP	TTGAGCCAGCCGAAGAACC	19	65
Dwnstrm PCR Primer	AcDx-5338-THBD-S1-PCR-V	TTGAGCCAGCCGAAGAACCCATATCAAAAACTACCTCGCAAAAACTATGrCGCAG/3SpC3/	54	66

Site	Primer Name	Sequence	Length	SEQ ID NO:
SEPT9				
Forward PCR Primer	AcDx-5351-SEPT9-S4-FP	GTGGGTGTTGGGTTGGTrUGTTA/3SpC3/	22	67
Reverse PCR Primer with long tail	AcDx-5352B-SEPT9-S4-RP	GGTGTCGTGGAGTTCAACATAATCAAACCCACCCGCAAAArUCCTT/3SpC3/	45	68
Upstream LDR	AcDx-5353-SEPT9-S4-Up	TACACGTGGATATCTCCGACCGGGTGTTGGGTTGGTTGTCGCrGGTTA/3SpC3/	47	69
Downstream LDR	AcDx-5354-SEPT9-S4-Dn	/5Phos/GGTCGCGGACGTGTTGGAGAGGGGTGCTAGTCACACAGTTCCA	43	70
Real-Time Probe	AcDx-5355-SEPT9-S4-RT-Pb	/56-FAM/TATTGTCGC/ZEN/GGTCGCGGACG/3IABkFQ/	20	71
Tag Forward Primer	AcDx-5356-SEPT9-S4-RT-FP	TACACGTGGATATCTCCGACC	21	72
Tag Reverse Primer	AcDx-5357-SEPT9-S4-RT-RP	TGGAACTGTGTGACTAGCACC	21	73
Dwnstrm PCR Primer	AcDx-5358-SEPT9-S4-PCR-V	TGGAACTGTGTGACTAGCACCCCGCAAAATCCTCTCCAACATGrUCCGT/3SpC3/	48	74
SEMA3B				

Site	Primer Name	Sequence	Length	SEQ ID NO:
Forward PCR Primer	AcDx-5401-SEMA3B-S1-FP	CGTCGCGTGTTAGGGTTCrGGAAA/3SpC3/	23	75
Reverse PCR Primer with long tail	AcDx-5402B-SEMA3B-S1-RP	GGTGTCGTGGAGTTCAACATAATCGATACGCTCCTCTACCAACrACCTG/3SpC3/	48	76
Upstream LDR	AcDx-5403-SEMA3B-S1-Up	TCCTGCTCTGAAAACCTACACCCGTGTTAGGGTTCGGAAGTTTTGTTCTCrGGTCT/3SpC3/	55	77
Downstream LDR	AcDx-5404-SEMA3B-S1-Dn	/5Phos/GGTTCGATATTTTCGTTTTACGTTGTTTTTTGTTCGTAGGGGTTACATAGGCGGCTTAGACA	62	78
Real-Time Probe	AcDx-5405-SEMA3B-S1-RT-Pb	/56-FAM/AATGTTCTC/ZEN/GGTTCGATATTTTCGTTTTACGTTGT/3IABkFQ/	35	79
Tag Forward Primer	AcDx-5406-SEMA3B-S1-RT-FP	TCCTGCTCTGAAAACCTACACC	22	80
Tag Reverse Primer	AcDx-5407-SEMA3B-S1-RT-RP	TGTCTAAGCCGCCTATGTAACC	22	81
Dwnstrm PCR Primer	AcDx-5408-SEMA3B-S1-PCR-V	TGTCTAAGCCGCCTATGTAACCCGCTCCTCTACCAACACCTATGrAACAG/3SpC3/	49	82
GATA5				

Site	Primer Name	Sequence	Length	SEQ ID NO:
Forward PCR Primer	AcDx-5421-GATA5-S1-FP	CGCGGTCGTAGGACGTArGGGTC/3SpC3/	22	83
Reverse PCR Primer with long tail	AcDx-5422B-GATA5-S1-RP	GGTGTCGTGGAGTTCAACATAATTCCAACCCGAACTACAACCrGCGCA/3SpC3/	47	84
Upstream LDR	AcDx-5423-GATA5-S1-Up	TTGTCTCTGCGACCCATCAAGTAGGACGTAGGGTTTGGAGGGCrGGGAC/3SpC3/	48	85
Downstream LDR	AcDx-5424-GATA5-S1-Dn	/5Phos/GGGATTTCGTCGCGTTGGGAGGGTTGGTACACGTTCGGCACA	42	86
Real-Time Probe	AcDx-5425-GATA5-S1-RT-Pb	/56-FAM/AAGGAGGGC/ZEN/GGGATTTCGTCGC/3IABkFQ/	22	87
Tag Forward Primer	AcDx-5426-GATA5-S1-RT-FP	TTGTCTCTGCGACCCATCAA	20	88
Tag Reverse Primer	AcDx-5427-GATA5-S1-RT-RP	TGTGCCGAACGTGTACCAA	19	89
Dwnstrm PCR Primer	AcDx-5428-GATA5-S1-PCR-V	TGTGCCGAACGTGTACCAACCCGACCCCTCCCAATGrCGACA/3SpC3/	41	90
ZNF542				
Forward PCR Primer	AcDx-5431-ZNF542-S1-FP	CGTTTTTGTATTTCGGTTATTGGGArGCGGA/3SpC3/	30	91

Site	Primer Name	Sequence	Length	SEQ ID NO:
Reverse PCR Primer with long tail	AcDx-5432B-ZNF542-S1-RP	GGTGTCGTGGAGTTCAACATAATACGCCCGAATAATTTCTAAAAATAAACrGAAAG/3SpC3/	55	92
Upstream LDR	AcDx-5433-ZNF542-S1-Up	TTTCGCTCGACGCATACCACGGTTATTGGGAGCGGGATCrGTGAA/3SpC3/	44	93
Downstream LDR	AcDx-5434-ZNF542-S1-Dn	/5Phos/GTGGGAGTTGTATATGCGTATTGCGAGTTTTCTGGCGCGGCTACTGTAAAA	51	94
Real-Time Probe	AcDx-5435-ZNF542-S1-RT-Pb	/56-FAM/TTCGGGATC/ZEN/GTGGGAGTTGTATATGCG/3IABkFQ/	27	95
Tag Forward Primer	AcDx-5436-ZNF542-S1-RT-FP	TTTCGCTCGACGCATACCA	19	96
Tag Reverse Primer	AcDx-5437-ZNF542-S1-RT-RP	TTTTACAGTAGCCGCGCCA	19	97
Dwnstrm PCR Primer	AcDx-5438-ZNF542-S1-PCR-V	TTTTACAGTAGCCGCGCCACCCGAATAATTTCTAAAAATAAACGAAAACTTGrCAATG/3SpC3/	57	98
RCN3				
Forward PCR Primer	AcDx-5441-RCN3-S1-FP	CGTGAGGCGTTGTGATTAGAATArGTTGA/3SpC3/	28	99

Site	Primer Name	Sequence	Length	SEQ ID NO:
Reverse PCR Primer with long tail	AcDx-5442B-RCN3-S1-RP	GGTGTCGTGGAGTTCAACATAATTAACGCGACCGAAAAAAACTACrAACTT/3SpC3/	50	100
Upstream LDR	AcDx-5443-RCN3-S1-Up	TTGCACGTTGTCCTGCACCCGTTGTGATTAGAATAGTTGGAGGTGAACrGGTGA/3SpC3/	53	101
Downstream LDR	AcDx-5444-RCN3-S1-Dn	/5Phos/GGTAGAGTGTCGCGACGATTGTTAGGAGTGGTAGTTTCCCATGACGGCA	49	102
Real-Time Probe	AcDx-5445-RCN3-S1-RT-Pb	/56-FAM/TTGGTGAAC/ZEN/GGTAGAGTGTCGCGAC/3IABkFQ/	25	103
Tag Forward Primer	AcDx-5446-RCN3-S1-RT-FP	TTGCACGTTGTCCTGCACC	19	104
Tag Reverse Primer	AcDx-5447-RCN3-S1-RT-RP	TGCCGTCATGGGAAACTACC	20	105
Dwnstrm PCR Primer	AcDx-5448-RCN3-S1-PCR-V	TGCCGTCATGGGAAACTACCACCGAAAAAAACTACAACTCCTAACAATTGrUCGCA/3SpC3/	55	106
MYO15B				
Forward PCR Primer	AcDx-5451-MYO15B-S1-FP	TTTAGGAGTTTTAATGGAGATACGTCrGGGTA/3SpC3/	31	107

Site	Primer Name	Sequence	Length	SEQ ID NO:
Reverse PCR Primer with long tail	AcDx-5452B-MYO15B-S1-RP	GGTGTCGTGGAGTTCAACATAATCCGAACTATACCGCGCTAACrUACCA/3SpC3/	48	108
Upstream LDR	AcDx-5453-MYO15B-S1-Up	TTAGCCGCCAAACGTACCATGGGAACGGAGGTAGTTTTTGCTCrGGACG/3SpC3/	48	109
Downstream LDR	AcDx-5454-MYO15B-S1-Dn	/5Phos/GGATAGCGAAATTCGCGAGGTTTAGGAGAGTGGGCAGGAACACGATAGTA	50	110
Real-Time Probe	AcDx-5455-MYO15B-S1-RT-Pb	/56-FAM/CCTTTGCTC/ZEN/GGATAGCGAAATTCGCGA/3IABkFQ/	27	111
Tag Forward Primer	AcDx-5456-MYO15B-S1-RT-FP	TTAGCCGCCAAACGTACCA	19	112
Tag Reverse Primer	AcDx-5457-MYO15B-S1-RT-RP	TACTATCGTGTTCCTGCCCA	20	113
Dwnstrm PCR Primer	AcDx-5458-MYO15B-S1-PCR-V	TACTATCGTGTTCCTGCCCACGAACTATACCGCGCTAACTACTGrCTCTT/3SpC3/	49	114
ANKRD13B				
Forward PCR Primer	AcDx-5461-ANKRD13B-S1-FP	CGAGTAGTTGCGGTTGGCrGATGA/3SpC3/	23	115

Site	Primer Name	Sequence	Length	SEQ ID NO:
Reverse PCR Primer	AcDx-5462B-ANKRD13B-S1-RP	GGTGTCGTGGAGTTCAACATAATCCAACTCCTCCTCCTCCTAArCGCGT/3SpC3/	~~43~~ 48	116
Upstream LDR	AcDx-5463-ANKRD13B-S1-Up	TTCGTACCTCGGCACACCAGCGGTTGGCGATGGAATTATCrGGCAC/3SpC3/	45	117
Downstream LDR	AcDx-5464-ANKRD13B-S1-Dn	/5Phos/GGCGTAGGAGTAGGAGGAGAGGCGTGGCTCCGTTACTCTGTCGA	44	118
Real-Time Probe	AcDx-5465-ANKRD13B-S1-RT-Pb	/56-FAM/CCAATTATC/ZEN/GGCGTAGGAGTAGGAGGAGAGG/3IABkFQ/	31	119
Tag Forward Primer	AcDx-5466-ANKRD13B-S1-RT-FP	TTCGTACCTCGGCACACCA	19	120
Tag Reverse Primer	AcDx-5467-ANKRD13B-S1-RT-RP	TCGACAGAGTAACGGAGCCA	20	121
Dwnstrm PCR Primer	AcDx-5468-ANKRD13B-S1-PCR-V	TCGACAGAGTAACGGAGCCACCAACTCCTCCTCCTCCTAATGrCGCGT/3SpC3/	47	122
FAM155A				
Forward PCR Primer	AcDx-5471-FAM115A-S1-FP	AGGTTGGTGTTGGTGGTCrGGCGA/3SpC3/	23	123

Site	Primer Name	Sequence	Length	SEQ ID NO:
Reverse PCR Primer	AcDx-5472B-FAM115A-S1-RP	GGTGTCGTGGAGTTCAACATAATCGCTAACAATACCTAAATAACCGAAACrCGCGT/3SpC3/	~~50~~ 55	124
Upstream LDR	AcDx-5473-FAM115A-S1-Up	TTTGCCTCTTGTAGGTGCCAGAGGTTGGGTGTAGGGAGCrGATAA/3SpC3/	44	125
Downstream LDR	AcDx-5474-FAM115A-S1-Dn	/5Phos/GATGGTGGAGGTGATAGGGTGGTTGGTGGGCAACGCGGATATTCA	45	126
Real-Time Probe	AcDx-5475-FAM115A-S1-RT-Pb	/56-FAM/AAAGGGAGC/ZEN/GATGGTGGAGGTGA/3IABkFQ/	23	127
Tag Forward Primer	AcDx-5476-FAM115A-S1-RT-FP	TTTGCCTCTTGTAGGTGCCA	20	128
Tag Reverse Primer	AcDx-5477-FAM115A-S1-RT-RP	TGAATATCCGCGTTGCCCA	19	129
Dwnstrm PCR Primer	AcDx-5478-FAM115A-S1-PCR-V	TGAATATCCGCGTTGCCCATAACAATACCTAAATAACCGAAACCGTGrCCAAT/3SpC3/	52	130
RGS10				
Forward PCR Primer	AcDx-5491-RGS10-S1-FP	CGTTCGTAGCGGAGGCrGGAGG/3SpC3/	21	131

Site	Primer Name	Sequence	Length	SEQ ID NO:
Reverse PCR Primer	AcDx-5492B-RGS10-S1-RP	GGTGTCGTGGAGTTCAACATAATAAAAACGCCCCAAATCTCCrAAACG/3SpC3/	~~42~~ 47	132
Upstream LDR	AcDx-5493-RGS10-S1-Up	TCCCTCGTCATCTCCCTTACCCGGAGGGAGAAGTTCGTGCrGTCAC/3SpC3/	45	133
Downstream LDR	AcDx-5494-RGS10-S1-Dn	/5Phos/GTCGTTTCGTTTTCGGAATTTGGAGTTTTATGTTATTTTGGTCTTGGTGATGGAGCGA	58	134
Real-Time Probe	AcDx-5495-RGS10-S1-RT-Pb	/56-FAM/CCTTCGTGC/ZEN/GTCGTTTCGTTTTCGGA/3IABkFQ/	26	135
Tag Forward Primer	AcDx-5496-RGS10-S1-RT-FP	TCCCTCGTCATCTCCCTTACC	21	136
Tag Reverse Primer	AcDx-5497-RGS10-S1-RT-RP	TCGCTCCATCACCAAGACC	19	137
Dwnstrm PCR Primer	AcDx-5498-RGS10-S1-PCR-V	TCGCTCCATCACCAAGACCCCAAACTTTAAAAATAACATAAAACTCCAAATTCTGrAAAAT/3SpC3/	60	138
HCG4				
Forward PCR Primer	AcDx-5501-HCG4-S1-FP	GTCGGAATATTGGGAAGAGGArGATAA/3SpC3/	26	139
Reverse PCR Primer	AcDx-5502B-HCG4-S1-RP	GGTGTCGTGGAGTTCAACATAATCCTCACTCTAATTATAATAACCGCTCrAAAAC/3SpC3/	~~49~~ 54	140
Upstream LDR	AcDx-5503-HCG4-S1-Up	TTCTAGATACCACGGACGCACCGGAATATTGGGAAGAGGAGATAGGGTTCrGTTGG/3SpC3/	55	141

Site	Primer Name	Sequence	Length	SEQ ID NO:
Downstream LDR	AcDx-5504-HCG4-S1-Dn	/5Phos/GTTAAGGTTAAAGTATAGTTTTATCGAGTGAATTTGCGGATTTTGTGTTGGTGTGCAAAGCTGA	64	142
Real-Time Probe	AcDx-5505-HCG4-S1-RT-Pb	/56-FAM/CCAGGGTTC/ZEN/GTTAAGGTTAAAGTATAGTTTTATCGAGTGA/3IABkFQ/	40	143
Tag Forward Primer	AcDx-5506-HCG4-S1-RT-FP	TTCTAGATACCACGGACGCAC	21	144
Tag Reverse Primer	AcDx-5507-HCG4-S1-RT-RP	TCAGCTTTGCACACCAACAC	20	145
Dwnstrm PCR Primer	AcDx-5508-HCG4-S1-PCR-V	TCAGCTTTGCACACCAACACCTCACTCTAATTATAATAACCGCTCAAAATCTGrCAAAC/3SpC3/	58	146