		Full length	Ungapped length [aa]	A1 Casskb8 SymAPX1 rep_c1302	A1 CCMP2467 SymAPX1 GAKY01045714	A1 Casskb8 SymAPX1 rep_c1797	A1 CCMP2467 SymAPX1 Locus_9887	A1 Casskb8 SymAPX rep_c1337	A1 CCMP2467 SymAPX1 Locus_51655	A1 CCMP2467 SymAPX1 Assembly8	B1 Mf1.05b SymAPX1 Assembly1	B1 Mf1.05b SymAPX1 rep_c960	B1 Ap1 SymAPX1 KJ672513	B1 Mf1.05b SymAPX1 Assembly3	B1 Mf1.05b SymAPX1 rep_c30083	B1 Mf1.05b SymAPX1 Assembly4	C1 CCMP2466 SymAPX1 KF835562	C3 S.hystrix SymAPX1 HM156698	C3 A.aspera SymAPX1 FE865713	C15 M.digitata SymAPX1 KJ672515	D A.hyacinthus SymAPX1 GAFP01005798	D A.hyacinthus SymAPX1 GAFP01021256	F1 Mv SymAPX1 KJ672514	F1 CCMP2468 SymAPX1 Assembly7	F1 CCMP2468 SymAPX1 Assembly2	F1 CCMP2468 SymAPX1 Assembly3	A1 Casskb8 SymAPX2 Assembly1	A1 CCMP2467 SymAPX2 Locus_1984	A1 CCMP2467 SymAPX2 KJ672516	A1 CCMP2467 SymAPX2 rep_c23432	B1 Mf1.05b SymAPX2 rep_c23432	C3 A.aspera SymAPX2 Assembly1	D A.hyacinthus SymAPX2 GAFP01018157	D A.hyacinthus SymAPX2 GAFP01007188	A1 Casskb8 SymAPX3 Assembly2	A1 Casskb8 SymAPX3 Assembly3	A1 Casskb8 SymAPX3 rep_c280	A1 CCMP2467 SymAPX3 Locus_31699	A1 CCMP2467 SymAPX3 Assembly4	D A.hyacinthus SymAPX3 GAFP01006424	B1 Mf1.05b SymAPX4 Assembly2	D A.hyacinthus SymAPX4 GAFP01007747	F1 CCMP2468 SymAPX4 KC944388	A1 Casskb8 SymAPX5 rep_C18778	A1 CCMP2467 SymAPX5 Locus_10740	D A.hyacinthus SymAPX5 Assembly1	A1 CCMP2467 SymAPX6 Locus_36434	B1 Mf1.05b SymAPX6 rep_c6573	A1 Casskb8 APX Assembly4	A1 CCMP2467 APX Locus_35678
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
						Y	Y	Y	Y		Y							Y															Y	Y	Y	Y	Y			Y		Y		Y		Y	Y			
A1 Casskb8 SymAPX1 rep_c1302	1		386		100%	66%	66%	66%	66%	100%	75%	65%	82%	79%	78%	67%	84%	78%	70%	79%	86%	47%	69%	70%	60%	63%	53%	54%	59%	61%	64%	44%	48%	31%	32%	33%	33%	35%	29%	32%	32%	31%	23%	30%	24%	20%	24%	30%	27%
A1 CCMP2467 SymAPX1 GAKY01045714	2		140	100%		52%	52%	55%	55%	N/A	71%	50%	78%	72%	67%	55%	82%	70%	70%	80%	82%	49%	66%	66%	48%	N/A	10%	12%	8%	N/A	N/A	4%	6%	4%	4%	4%	N/A	4%	4%	14%	11%	N/A	5%	N/A	6%	6%	N/A	N/A	N/A
A1 Casskb8 SymAPX1 rep_c1797	3	Y	391	66%	52%		100%	66%	66%	74%	64%	73%	70%	66%	71%	69%	75%	67%	52%	70%	67%	58%	62%	59%	72%	70%	54%	53%	59%	60%	63%	45%	52%	30%	30%	31%	31%	32%	26%	31%	31%	28%	23%	29%	23%	21%	24%	28%	27%
A1 CCMP2467 SymAPX1 Locus_9887	4	Y	391	66%	52%	100%		66%	66%	74%	64%	73%	70%	66%	71%	69%	75%	67%	52%	70%	67%	58%	62%	59%	72%	70%	54%	53%	59%	60%	63%	45%	52%	30%	30%	31%	31%	32%	26%	31%	31%	28%	23%	29%	23%	21%	24%	28%	27%
A1 Casskb8 SymAPX rep_c1337	5	Y	394	66%	55%	66%	66%		100%	72%	63%	65%	68%	65%	69%	72%	70%	64%	51%	67%	65%	48%	56%	57%	62%	60%	54%	52%	61%	62%	66%	44%	49%	30%	31%	30%	31%	32%	28%	30%	32%	30%	24%	30%	24%	18%	22%	28%	28%
A1 CCMP2467 SymAPX1 Locus_51655	6	Y	394	66%	55%	66%	66%	100%		72%	63%	65%	68%	65%	69%	72%	70%	64%	51%	67%	65%	48%	56%	57%	62%	60%	54%	52%	61%	62%	66%	44%	49%	30%	31%	30%	31%	32%	28%	30%	32%	30%	24%	30%	24%	18%	22%	28%	28%
A1 CCMP2467 SymAPX1 Assembly8	7		238	100%	N/A	74%	74%	72%	72%		80%	71%	84%	84%	86%	70%	85%	85%	N/A	81%	88%	44%	72%	77%	83%	63%	64%	69%	65%	62%	64%	62%	59%	32%	33%	34%	33%	38%	31%	32%	32%	31%	30%	30%	30%	24%	24%	33%	31%
B1 Mf1.05b SymAPX1 Assembly1	8	Y	397	75%	71%	64%	64%	63%	63%	80%		61%	81%	78%	75%	67%	81%	76%	68%	79%	79%	46%	70%	70%	55%	64%	53%	50%	57%	62%	64%	44%	50%	31%	32%	32%	34%	34%	28%	31%	30%	31%	23%	30%	23%	20%	24%	30%	28%
B1 Mf1.05b SymAPX1 rep_c960	9		379	65%	50%	73%	73%	65%	65%	71%	61%		69%	64%	70%	66%	72%	65%	50%	68%	64%	59%	59%	58%	80%	71%	53%	52%	58%	60%	64%	44%	49%	31%	32%	33%	33%	35%	30%	31%	32%	31%	25%	30%	24%	20%	24%	30%	28%
B1 Ap1 SymAPX1 KJ672513	10		304	82%	78%	70%	70%	68%	68%	84%	81%	69%		100%	81%	68%	86%	84%	80%	82%	87%	48%	72%	76%	70%	65%	51%	52%	57%	59%	62%	48%	49%	32%	32%	32%	34%	34%	29%	33%	33%	33%	26%	30%	26%	19%	22%	29%	28%
B1 Mf1.05b SymAPX1 Assembly3	11		373	79%	72%	66%	66%	65%	65%	84%	78%	64%	100%		80%	68%	86%	81%	72%	82%	85%	47%	71%	72%	61%	63%	52%	52%	57%	59%	62%	43%	49%	32%	33%	33%	34%	34%	30%	33%	33%	32%	24%	29%	24%	19%	22%	30%	28%
B1 Mf1.05b SymAPX1 rep_c30083	12		279	78%	67%	71%	71%	69%	69%	86%	75%	70%	81%	80%		67%	82%	78%	67%	78%	82%	49%	68%	68%	67%	65%	53%	53%	61%	66%	71%	45%	51%	32%	33%	33%	34%	34%	29%	32%	33%	33%	24%	30%	24%	18%	24%	30%	30%
B1 Mf1.05b SymAPX1 Assembly4	13		223	67%	55%	69%	69%	72%	72%	70%	67%	66%	68%	68%	67%		70%	70%	58%	67%	69%	41%	61%	62%	62%	60%	57%	52%	57%	63%	68%	55%	56%	30%	30%	30%	33%	32%	27%	32%	32%	31%	30%	32%	30%	19%	23%	29%	29%
C1 CCMP2466 SymAPX1 KF835562	14		258	84%	82%	75%	75%	70%	70%	85%	81%	72%	86%	86%	82%	70%		100%	100%	91%	85%	46%	75%	79%	71%	68%	57%	52%	58%	62%	66%	55%	53%	30%	30%	31%	31%	33%	26%	31%	30%	30%	26%	28%	26%	18%	23%	28%	28%
C3 S.hystrix SymAPX1 HM156698	15	Y	393	78%	70%	67%	67%	64%	64%	85%	76%	65%	84%	81%	78%	70%	100%		99%	91%	81%	48%	72%	73%	60%	66%	54%	52%	58%	63%	65%	44%	50%	31%	31%	31%	32%	33%	28%	31%	30%	30%	22%	29%	22%	18%	24%	29%	27%
C3 A.aspera SymAPX1 FE865713	16		125	70%	70%	52%	52%	51%	51%	N/A	68%	50%	80%	72%	67%	58%	100%	99%		100%	74%	53%	71%	71%	48%	N/A	10%	9%	7%	N/A	N/A	4%	6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5%	N/A	6%	8%	N/A	5%	5%
C15 M.digitata SymAPX1 KJ672515	17		256	79%	80%	70%	70%	67%	67%	81%	79%	68%	82%	82%	78%	67%	91%	91%	100%		82%	45%	75%	79%	68%	64%	52%	48%	53%	57%	61%	52%	50%	28%	29%	28%	31%	30%	26%	28%	29%	30%	24%	26%	24%	18%	21%	26%	26%
D A.hyacinthus SymAPX1 GAFP01005798	18		367	86%	82%	67%	67%	65%	65%	88%	79%	64%	87%	85%	82%	69%	85%	81%	74%	82%		47%	70%	71%	62%	67%	52%	52%	58%	60%	63%	41%	48%	32%	32%	33%	33%	36%	28%	32%	32%	31%	22%	29%	22%	17%	20%	29%	28%
D A.hyacinthus SymAPX1 GAFP01021256	19		321	47%	49%	58%	58%	48%	48%	44%	46%	59%	48%	47%	49%	41%	46%	48%	53%	45%	47%		45%	45%	62%	50%	33%	32%	36%	40%	43%	26%	31%	21%	21%	22%	22%	23%	18%	21%	20%	16%	15%	18%	15%	17%	22%	19%	19%
F1 Mv SymAPX1 KJ672514	20		380	69%	66%	62%	62%	56%	56%	72%	70%	59%	72%	71%	68%	61%	75%	72%	71%	75%	70%	45%		100%	57%	61%	48%	49%	51%	55%	59%	40%	46%	29%	29%	29%	32%	30%	27%	27%	27%	27%	22%	28%	22%	19%	24%	28%	25%
F1 CCMP2468 SymAPX1 Assembly7	21		218	70%	66%	59%	59%	57%	57%	77%	70%	58%	76%	72%	68%	62%	79%	73%	71%	79%	71%	45%	100%		57%	75%	39%	45%	48%	N/A	88%	29%	36%	25%	26%	26%	38%	25%	23%	26%	27%	N/A	16%	28%	17%	11%	15%	27%	27%
F1 CCMP2468 SymAPX1 Assembly2	22		219	60%	48%	72%	72%	62%	62%	83%	55%	80%	70%	61%	67%	62%	71%	60%	48%	68%	62%	62%	57%	57%		75%	44%	51%	55%	N/A	88%	31%	40%	32%	32%	33%	38%	32%	28%	31%	32%	N/A	19%	31%	19%	11%	15%	28%	28%
F1 CCMP2468 SymAPX1 Assembly3	23		169	63%	N/A	70%	70%	60%	60%	63%	64%	71%	65%	63%	65%	60%	68%	66%	N/A	64%	67%	50%	61%	75%	75%		58%	73%	59%	58%	58%	55%	56%	29%	29%	30%	30%	34%	28%	30%	28%	27%	28%	28%	28%	24%	26%	28%	26%
A1 Casskb8 SymAPX2 Assembly1	24		310	53%	10%	54%	54%	54%	54%	64%	53%	53%	51%	52%	53%	57%	57%	54%	10%	52%	52%	33%	48%	39%	44%	58%		98%	100%	95%	100%	84%	73%	32%	32%	32%	31%	34%	30%	29%	29%	27%	28%	31%	27%	21%	26%	30%	28%
A1 CCMP2467 SymAPX2 Locus_1984	25		120	54%	12%	53%	53%	52%	52%	69%	50%	52%	52%	52%	53%	52%	52%	52%	9%	48%	52%	32%	49%	45%	51%	73%	98%		98%	89%	100%	83%	77%	35%	36%	36%	41%	35%	32%	35%	36%	N/A	32%	35%	30%	13%	16%	30%	30%
A1 CCMP2467 SymAPX2 KJ672516	26		220	59%	8%	59%	59%	61%	61%	65%	57%	58%	57%	57%	61%	57%	58%	58%	7%	53%	58%	36%	51%	48%	55%	59%	100%	98%		93%	100%	90%	82%	31%	31%	31%	29%	34%	28%	28%	29%	27%	29%	30%	29%	20%	23%	29%	29%
B1 Mf1.05b SymAPX2 rep_c23432	27		166	61%	N/A	60%	60%	62%	62%	62%	62%	60%	59%	59%	66%	63%	62%	63%	N/A	57%	60%	40%	55%	N/A	N/A	58%	95%	89%	93%		95%	85%	77%	31%	30%	30%	31%	35%	29%	27%	28%	27%	29%	29%	29%	29%	30%	31%	28%
C3 A.aspera SymAPX2 Assembly1	28		181	64%	N/A	63%	63%	66%	66%	64%	64%	64%	62%	62%	71%	68%	66%	65%	N/A	61%	63%	43%	59%	88%	88%	58%	100%	100%	100%	95%		89%	81%	32%	32%	32%	32%	37%	30%	27%	28%	27%	30%	30%	31%	29%	30%	32%	29%
D A.hyacinthus SymAPX2 GAFP01018157	29	Y	362	44%	4%	45%	45%	44%	44%	62%	44%	44%	48%	43%	45%	55%	55%	44%	4%	52%	41%	26%	40%	29%	31%	55%	84%	83%	90%	85%	89%		76%	31%	32%	31%	32%	34%	29%	28%	29%	27%	25%	31%	24%	20%	24%	28%	26%
D A.hyacinthus SymAPX2 GAFP01007188	30	Y	311	48%	6%	52%	52%	49%	49%	59%	50%	49%	49%	49%	51%	56%	53%	50%	6%	50%	48%	31%	46%	36%	40%	56%	73%	77%	82%	77%	81%	76%		32%	32%	31%	32%	34%	29%	29%	29%	28%	29%	31%	28%	21%	23%	28%	27%
A1 Casskb8 SymAPX3 Assembly2	31	Y	317	31%	4%	30%	30%	30%	30%	32%	31%	31%	32%	32%	32%	30%	30%	31%	N/A	28%	32%	21%	29%	25%	32%	29%	32%	35%	31%	31%	32%	31%	32%		93%	91%	93%	95%	73%	60%	60%	63%	55%	56%	55%	21%	25%	70%	68%
A1 Casskb8 SymAPX3 Assembly3	32	Y	319	32%	4%	30%	30%	31%	31%	33%	32%	32%	32%	33%	33%	30%	30%	31%	N/A	29%	32%	21%	29%	26%	32%	29%	32%	36%	31%	30%	32%	32%	32%	93%		94%	96%	97%	74%	60%	60%	63%	54%	55%	54%	21%	24%	71%	69%
A1 Casskb8 SymAPX3 rep_c280	33	Y	319	33%	4%	31%	31%	30%	30%	34%	32%	33%	32%	33%	33%	30%	31%	31%	N/A	28%	33%	22%	29%	26%	33%	30%	32%	36%	31%	30%	32%	31%	31%	91%	94%		94%	96%	73%	60%	60%	62%	54%	55%	54%	21%	24%	71%	68%
A1 CCMP2467 SymAPX3 Locus_31699	34		229	33%	N/A	31%	31%	31%	31%	33%	34%	33%	34%	34%	34%	33%	31%	32%	N/A	31%	33%	22%	32%	38%	38%	30%	31%	41%	29%	31%	32%	32%	32%	93%	96%	94%		97%	74%	60%	61%	62%	56%	56%	56%	23%	23%	73%	70%
A1 CCMP2467 SymAPX3 Assembly4	35		206	35%	4%	32%	32%	32%	32%	38%	34%	35%	34%	34%	34%	32%	33%	33%	N/A	30%	36%	23%	30%	25%	32%	34%	34%	35%	34%	35%	37%	34%	34%	95%	97%	96%	97%		73%	60%	58%	66%	55%	56%	56%	24%	29%	71%	71%
D A.hyacinthus SymAPX3 GAFP01006424	36	Y	320	29%	4%	26%	26%	28%	28%	31%	28%	30%	29%	30%	29%	27%	26%	28%	N/A	26%	28%	18%	27%	23%	28%	28%	30%	32%	28%	29%	30%	29%	29%	73%	74%	73%	74%	73%		57%	57%	62%	52%	53%	52%	23%	25%	69%	67%
B1 Mf1.05b SymAPX4 Assembly2	37		306	32%	14%	31%	31%	30%	30%	32%	31%	31%	33%	33%	32%	32%	31%	31%	N/A	28%	32%	21%	27%	26%	31%	30%	29%	35%	28%	27%	27%	28%	29%	60%	60%	60%	60%	60%	57%		89%	94%	57%	57%	57%	22%	24%	61%	60%
D A.hyacinthus SymAPX4 GAFP01007747	38	Y	308	32%	11%	31%	31%	32%	32%	32%	30%	32%	33%	33%	33%	32%	30%	30%	N/A	29%	32%	20%	27%	27%	32%	28%	29%	36%	29%	28%	28%	29%	29%	60%	60%	60%	61%	58%	57%	89%		90%	58%	58%	57%	22%	24%	60%	59%
F1 CCMP2468 SymAPX4 KC944388	39		176	31%	N/A	28%	28%	30%	30%	31%	31%	31%	33%	32%	33%	31%	30%	30%	N/A	30%	31%	16%	27%	N/A	N/A	27%	27%	N/A	27%	27%	27%	27%	28%	63%	63%	62%	62%	66%	62%	94%	90%		57%	57%	57%	23%	22%	65%	64%
A1 Casskb8 SymAPX5 rep_C18778	40	Y	453	23%	5%	23%	23%	24%	24%	30%	23%	25%	26%	24%	24%	30%	26%	22%	5%	24%	22%	15%	22%	16%	19%	28%	28%	32%	29%	29%	30%	25%	29%	55%	54%	54%	56%	55%	52%	57%	58%	57%		100%	86%	22%	25%	52%	50%
A1 CCMP2467 SymAPX5 Locus_10740	41		316	30%	N/A	29%	29%	30%	30%	30%	30%	30%	30%	29%	30%	32%	28%	29%	N/A	26%	29%	18%	28%	28%	31%	28%	31%	35%	30%	29%	30%	31%	31%	56%	55%	55%	56%	56%	53%	57%	58%	57%	100%		87%	23%	25%	54%	52%
D A.hyacinthus SymAPX5 Assembly1	42	Y	453	24%	6%	23%	23%	24%	24%	30%	23%	24%	26%	24%	24%	30%	26%	22%	6%	24%	22%	15%	22%	17%	19%	28%	27%	30%	29%	29%	31%	24%	28%	55%	54%	54%	56%	56%	52%	57%	57%	57%	86%	87%		22%	25%	52%	51%
A1 CCMP2467 SymAPX6 Locus_36434	43	Y	328	20%	6%	21%	21%	18%	18%	24%	20%	20%	19%	19%	18%	19%	18%	18%	8%	18%	17%	17%	19%	11%	11%	24%	21%	13%	20%	29%	29%	20%	21%	21%	21%	21%	23%	24%	23%	22%	22%	23%	22%	23%	22%		69%	24%	22%
B1 Mf1.05b SymAPX6 rep_c6573	44		249	24%	N/A	24%	24%	22%	22%	24%	24%	24%	22%	22%	24%	23%	23%	24%	N/A	21%	20%	22%	24%	15%	15%	26%	26%	16%	23%	30%	30%	24%	23%	25%	24%	24%	23%	29%	25%	24%	24%	22%	25%	25%	25%	69%		25%	22%
A1 Casskb8 APX Assembly4	45		325	30%	N/A	28%	28%	28%	28%	33%	30%	30%	29%	30%	30%	29%	28%	29%	5%	26%	29%	19%	28%	27%	28%	28%	30%	30%	29%	31%	32%	28%	28%	70%	71%	71%	73%	71%	69%	61%	60%	65%	52%	54%	52%	24%	25%		97%
A1 CCMP2467 APX Locus_35678	46		297	27%	N/A	27%	27%	28%	28%	31%	28%	28%	28%	28%	30%	29%	28%	27%	5%	26%	28%	19%	25%	27%	28%	26%	28%	30%	29%	28%	29%	26%	27%	68%	69%	68%	70%	71%	67%	60%	59%	64%	50%	52%	51%	22%	22%	97%	