

Sequences	Tm (C)
GPOGPOGPOGPOGPOGPO	36
GPPGPPGPPGPPGPPGPP	6.5
GOTGOTGOTGOTGOTGOTGOTGOTGOTGOT	19.2
GPOGPOGQOGLOGLOGPOGPOGPOGPO	41.3
GPOGPOGPOGGQOGLOGLOGPOPOGPOGPOGGY	44
GPOGPOGPOGQOGLOGLOGPOGPOGPOGPO	48
GPOGPOGPOGPOGPOGPOGPOGPOGPO	58
GFOGAAGRTGPOGPSGISGPOGPOGPOGPOGV	4
GPOGAOGLGIAGITGARGLAGPOGPOGPOGPOGG	4
GPRGNRGERGSEGSOGHOGQOGPOGPOGAOGV	4
GPOGPOGPOGAKGDAGPOGPAGPOGPOGPOGY	42.8
GPOGPOGPOGKRGKOGPOGPOGPOGG	32.3
GARGPAGPQGPRGDKGETGPOGPOGPOGPOGV	30.8
GPOGPOGROGRKGROGPOGPOGPOGPOGPOG	30
GPOGPOGPKGQKGEKOGPOGPOGPOGPO	30
GPOGIRGPKGQKGELOGLOGPOGPOGPOGPOGY	28.4
GPOGPOGROGKRGKOGPOGPOGPOGG	26.9
GPAGPAGPVGPAARGPAGPOGPOGPOGPOGV	26
GPOGPOGPOGPOGPAAGPAGPVGPAARGPAGV	26
GAOGERGPOGLAGAOLRGPOGPOGPOGPOGV	25.9
GLAGEOGKOGIOGLOGRAGPOGPOGPOGPOGV	25.4
GSOGAQGLQGPRGLOGTOGPOGPOGPOGPOGV	25
GPAGPAGPVGPAARGPAGPOGPOGAOGPOGV	24.1
GPOGPOGROGKRGKQGQKOGPOGPOGPOGPOG	23.9
GPOGROGRRGROGLKGEQOGPOGPOGPOGPOGY	23.3
GPAGPAGPVGPAARGPAGPOGPAAGPOGPOGV	23.2
GDAGAOGERGPOGLAGAOGPOGPOGPOGPOGV	23.2
GERGERGEKGERGEQGRDGPOGPOGPOGPOGV	23.2
GINGFOGKDGRDGTKEKGEOGPOGPOGPOGPOGG	23
GPOGPOGPOGRKGROGPOGPOGPOGG	22.2
GPOGPOGROGKRGKQGPOGPOGPOGG	21.3
GGKGDAGAOGERGPOGLAGPOGPOGPOGPOGV	20.9
GPAGPAGPVGPAARGPAGPOGPOGPOGPOGY	20.6
GPOGPOGRQKRGKOGPOGPOGPOGG	20.1
GROGKRGKOGVRGPRGPOGPOGPOGPO	19.7
GROGAAGAOGVRGPRGPOGPOGPOGPO	18.6
GPOGPOGITGARGLAGPOGPOGPOGPO	18
GFOGKDGRDGTKEKGEOGPOGPOGPOGPOGY	17.9
GLAGAOLRGGAGPOGPEGPOGPOGPOGPOGV	17.5
GPOGPOGROGKRGROGPOGPOGPOGG	17.4
GERGPOLAGAOLRGGAGPOGPOGPOGPOGV	16.5
GPOGLAGAOLRGGAGPOGPOGPOGPOGPOGV	15.8
GROGKRGROGVRGPRGPOGPOGPOGPO	15.5
GPSGPRGLOGPOGAOGPQGFQGPOGEOGPOGASGPM	12
GAOGRKGROGVAGPAGPOGPOGPOGPO	11
GROGKRGKTKLKGDIGPOGPOGPOGPO	9.8
GPOGPOGROGKRGKQGQKOGPOGPOGG	8.1
GLOGMLGQKGMGPKGPOGPOGPOGPO	7

GPOGPOGPOGPOGPOGPOGPO	45.5
GPOGPOGPOGPAGPOGPOGPOGPO	45.5
GPOGPOGPOGPAGPOGPOGPAGPOGPO	42.8
GPOGPOGPOGPAGPOGPOGPAGPOGPO	42.2
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GPOGPOGPOGPOGPAGPAGPOGPO	40.4
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GPOGPOGPOGAAGPOGPOGPOGPO	38.2
GPOGPOGPOGPKGPOGPOGPOGPO	36.8
GPRGPRGPRGPRGPRGPRGPRGPR	32.6
GPOGPOGPOGAKGPOGPOGPOGPO	30.8
GPOGPOGPOGPOGPOGPOGPOGPO	44.5
GPOGPOGPOGLAGPOGPOGPOGPO	29.5
GPOGPOGPOGAOGPOGPOGPOGPO	39.9
GPOGPOGPOGAAGPOGPOGPOGPO	29.3
GPOGPOGPOGLOGPOGPOGPOGPO	39
GPOGPOGPOGPFPGPOGPOGPOGPO	28.3
GPOGPOGPOGPAGPOGPOGPOGPO	38.3
GPOGPOGPOGALGPOGPOGPOGPO	27.8
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GPOGPOGPOGPLGPOGPOGPOGPO	32.7
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GPOGPOGPOGDOGPOGPOGPOGPO	40.1
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GPOGPOGPOGEOGPOGPOGPOGPO	42.9
GPOGPOGPOGPEGPOGPOGPOGPO	39.7
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GPOGPOGPOGROGPOGPOGPOGPO	40.6
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GPOGPOGPOGKDGPOGPOGPOGPO	35.5
GPOGPOGPOGDRGPOGPOGPOGPO	37.1
GPOGPOGPOGRDGPOGPOGPOGPO	35
GPOGPOGPOGKEGPOGPOGPOGPO	35
GPOGPOGPOGKEGPOGPOGPOGPO	35.3
GPOGPOGPOGERGPOGPOGPOGPO	40.4
GPOGPOGPOGREGPOGPOGPOGPO	33.8
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GPOGPOGPOGPAGPOGPOGPOGPO	38.3
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GPAGPOGPOGPOGPOGPP	21
GPAGPAGPOGPOGPOGPOGPP	31
GAAGPAGPOGPOGPOGPOGPP	31
GAAGAAGPAGPOGPOGPOGPOGPP	23
GPOGAAGPAGPOGPOGPOGPOGPP	30

GPAGAAGPAGPOGPOGPOGPOGPP	25
GAAGPAGAAGPAGPOGPOGPOGPOGPP	26
GPOGAAGPAGAAGPAGPOGPOGPOGPOGPP	26
GPOGPOGAAGPAGAAGPAGPOGPOGPOGPOGPP	31
GIAGPAGPOGPOGPOGPOGPP	26
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GSOGPOGPOGPOGPOGPP	21
GPOGPOGPOGPOGPOGPP	21
GAAGPOGPOGPOGPOGPOGPP	31
GPAGPAGPAGPOGPOGPOGPOGPP	32
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GPOGPOGPOGPOGPOGPO	36
GPOGPOGPKGEOGPOGPOGPO	51
GPOGPOGPKGDOGPOGPOGPO	48
GPOGPOGPOGPOGPOGPOGPO	50.5
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GPOGPOGPOGEIGPOGPOGPOGPO	37.1
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GPOGPOGPOGWEGPOGPOGPOGPO	24.3
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GPOGPOGPOGQTGPOGPOGPOGPO	32.8
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GPOGPOGPOGITGPOGPOGPOGPO	30.8
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GPOGPOGPOGSTGPOGPOGPOGPO	30.4
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GPOGPOGPOGFCGPOGPOGPOGPO	23.9
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GPOGPOGPOGAKGPOGPOGPOGPO	30.8
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GPOGPOGPOGRKGPOGPOGPOGPO	29.5
GPOGPOGPOGQKGPOGPOGPOGPO	32.6
GPOGPOGPOGDKGPOGPOGPOGPO	30.9
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GPOGPOGPOGVKGPOGPOGPOGPO	32.5
GPOGPOGPOGMKGPOGPOGPOGPO	31.7

GPOGPOGPOGIKGPOGPOGPOGPO	27.9
GPOGPOGPOGNKGPOGPOGPOGPO	27.8
GPOGPOGPOGSKGPOGPOGPOGPO	27.5
GPOGPOGPOGHKGPOGPOGPOGPO	26
GPOGPOGPOGTKGPOGPOGPOGPO	25.7
GPOGPOGPOGCKGPOGPOGPOGPO	25.6
GPOGPOGPOGYKGPOGPOGPOGPO	23.8
GPOGPOGPOGFKGPOGPOGPOGPO	23
GPOGPOGPOGGKGPOGPOGPOGPO	26.9
GPOGPOGPOGWKGPOGPOGPOGPO	21.4
GPOGPOGPOGPHGPOGPOGPOGPO	35.7
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GPOGPOGPOGAHGPOGPOGPOGPO	30.1
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GPOGPOGPOGQHGPOGPOGPOGPO	28.8
GPOGPOGPOGDHGPOGPOGPOGPO	28.5
GPOGPOGPOGLHGPOGPOGPOGPO	27.4
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GPOGPOGPOGMHGPOGPOGPOGPO	27
GPOGPOGPOGIHGPOGPOGPOGPO	26.8
GPOGPOGPOGNHGPOGPOGPOGPO	26.7
GPOGPOGPOGSHGPOGPOGPOGPO	26.4
GPOGPOGPOGHHGPOGPOGPOGPO	24.9
GPOGPOGPOGTHGPOGPOGPOGPO	24.6
GPOGPOGPOGCHGPOGPOGPOGPO	24.5
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GPOGPOGPOGGHGPOGPOGPOGPO	21.6
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GPOGPOGPOGESGPOGPOGPOGPO	30.6
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GQDGRNGERGEQGPTGPTGPAGPRGLQGLQ GLQGERGEQGPTGPAGPRGLQGERGEQGPT GLAGKAGEAGAKGETGPAGPQGPRGEQGPQ GLP GARGERAFPGERGVQGPP GKDGEAGAQQPAGPMGPAGERGEKGEPTQQAAGDRGETGPVGPAGERGEAGPAGKD GERGPVGPAGKDGQNGQDGLPGKDGKDGQN GKDGLPGKDGKDGQNGKDGLPGKDGKDGQD GKDGLPGKDGKDGKGLPGKDGKDGQPGKPGKY	33.9
GQDGRNGERGEQGPTGPTGPAGPRGLQGLQ GLQGERGEQGPTGPAGPRGLQGERGEQGPT GLAGKAGEAGAKGETGPAGPQGPRGEQGPQ GLP GARGERSFPGERGVQGPP GKDGEAGAQQPAGPMGPAGERGEKGEPTQQAAGDRGETGPVGPAGERGEAGPAGKD GERGPVGPAGKDGQNGQDGLPGKDGKDGQN GKDGLPGKDGKDGQNGKDGLPGKDGKDGQD GKDGLPGKDGKDGKGLPGKDGKDGQPGKPGKY	24.4
GQDGRNGERGEQGPTGPTGPAGPRGLQGLQ GLQGERGEQGPTGPAGPRGLQGERGEQGPT GLAGKAGEAGAKGETGPAGPQGPRGEQGPQ GLP GARGERVFPGERGVQGPP GKDGEAGAQQPAGPMGPAGERGEKGEPTQQAAGDRGETGPVGPAGERGEAGPAGKD GERGPVGPAGKDGQNGQDGLPGKDGKDGQN GKDGLPGKDGKDGQNGKDGLPGKDGKDGQD GKDGLPGKDGKDGKGLPGKDGKDGQPGKPGKY	24.4
GQDGRNGERGEQGPTGPTGPAGPRGLQGLQ GLQGERGEQGPTGPAGPRGLQGERGEQGPT GLAGKAGEAGAKGETGPAGPQGPRGEQGPQ GLP GARGERGFPAERGVQGPP GKDGEAGAQQPAGPMGPAGERGEKGEPTQQAAGDRGETGPVGPAGERGEAGPAGKD GERGPVGPAGKDGQNGQDGLPGKDGKDGQN GKDGLPGKDGKDGQNGKDGLPGKDGKDGQD GKDGLPGKDGKDGKGLPGKDGKDGQPGKPGKY	23.9
GQDGRNGERGEQGPTGPTGPAGPRGLQGLQ GLQGERGEQGPTGPAGPRGLQGERGEQGPT GLAGKAGEAGAKGETGPAGPQGPRGEQGPQ GLP GARGERGFPSERGVQGPP GKDGEAGAQQPAGPMGPAGERGEKGEPTQQAAGDRGETGPVGPAGERGEAGPAGKD GERGPVGPAGKDGQNGQDGLPGKDGKDGQN GKDGLPGKDGKDGQNGKDGLPGKDGKDGQD GKDGLPGKDGKDGKGLPGKDGKDGQPGKPGKY	23.9
GQDGRNGERGEQGPTGPTGPAGPRGLQGLQ GLQGERGEQGPTGPAGPRGLQGERGEQGPT GLAGKAGEAGAKGETGPAGPQGPRGEQGPQ GLP GARGERGFVVERGVQGPP GKDGEAGAQQPAGPMGPAGERGEKGEPTQQAAGDRGETGPVGPAGERGEAGPAGKD GERGPVGPAGKDGQNGQDGLPGKDGKDGQN GKDGLPGKDGKDGQNGKDGLPGKDGKDGQD GKDGLPGKDGKDGKGLPGKDGKDGQPGKPGKY	23.9
GQDGRNGERGEQGPTGPTGPAGPRGLQGLQ GLQGERGEQGPTGPAGPRGLQGERGEQGPT GLAGKAGEAGAKGETGPAGPQGPRGEQGPQ GLP GARGERGFPERAVQGPP GKDGEAGAQQPAGPMGPAGERGEKGEPTQQAAGDRGETGPVGPAGERGEAGPAGKD GERGPVGPAGKDGQNGQDGLPGKDGKDGQN GKDGLPGKDGKDGQNGKDGLPGKDGKDGQD GKDGLPGKDGKDGKGLPGKDGKDGQPGKPGKY	23.4

GQDGRNGERGEQGPTGPTGPAGPRGLQGLQ GLQGERGEQGPTGPAGPRGLQGERGEQGPT GLAGKAGEAGAKGETGPAGPQQPRGEQGPQ GLP GARGERGFPGERSVQGP GKDGEAGAQQPAGPMPAGERGEKEGEP GTQGAKGDRGETGPVGPGRGERGEAGPAGKD GERGPVGPAGKDGQNGQDGLPGKDGKDGQN GKDGLPGKDGKDGQNGKDGLPGKDGKDGQD GKDGLPGKDGKDGKDGKDGQPGKPGKY	23.4
GQDGRNGERGEQGPTGPTGPAGPRGLQGLQ GLQGERGEQGPTGPAGPRGLQGERGEQGPT GLAGKAGEAGAKGETGPAGPQQPRGEQGPQ GLP GARGERGFGERVVQGP GKDGEAGAQQPAGPMPAGERGEKEGEP GTQGAKGDRGETGPVGPGRGERGEAGPAGKD GERGPVGPAGKDGQNGQDGLPGKDGKDGQN GKDGLPGKDGKDGQNGKDGLPGKDGKDGQD GKDGLPGKDGKDGKDGKDGQPGKPGKY	23.4
GQDGRNGERGEQGPTGPTGPAGPRGLQGLQ GLQGERGEQGPTGPAGPRGLQGERGEQGPT GLAGKAGEAGAKGETGPAGPQQPRGEQGPQ GLP GARGERGFGERGVQAPP GKDGEAGAQQPAGPMPAGERGEKEGEP GTQGAKGDRGETGPVGPGRGERGEAGPAGKD GERGPVGPAGKDGQNGQDGLPGKDGKDGQN GKDGLPGKDGKDGQNGKDGLPGKDGKDGQD GKDGLPGKDGKDGKDGKDGQPGKPGKY	24.4
GQDGRNGERGEQGPTGPTGPAGPRGLQGLQ GLQGERGEQGPTGPAGPRGLQGERGEQGPT GLAGKAGEAGAKGETGPAGPQQPRGEQGPQ GLP GARGERGFGERGVQSPP GKDGEAGAQQPAGPMPAGERGEKEGEP GTQGAKGDRGETGPVGPGRGERGEAGPAGKD GERGPVGPAGKDGQNGQDGLPGKDGKDGQN GKDGLPGKDGKDGQNGKDGLPGKDGKDGQD GKDGLPGKDGKDGKDGKDGQPGKPGKY	23.9
GQDGRNGERGEQGPTGPTGPAGPRGLQGLQ GLQGERGEQGPTGPAGPRGLQGERGEQGPT GLAGKAGEAGAKGETGPAGPQQPRGEQGPQ GLP GARGERGFGERGVQVPP GKDGEAGAQQPAGPMPAGERGEKEGEP GTQGAKGDRGETGPVGPGRGERGEAGPAGKD GERGPVGPAGKDGQNGQDGLPGKDGKDGQN GKDGLPGKDGKDGQNGKDGLPGKDGKDGQD GKDGLPGKDGKDGKDGKDGQPGKPGKY	32.9
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GPOGPOGPOGPGPOGPOGPOGPOGPO	16.65
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GPAGPAGPVAPAGARGPAGPOGPOGPOGPO	16
GPAGPAGPVPAGARGPAGPOGPOAPOGPO	6
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GLPGPRGEQGPTGPTGPAGPRGLQGLQGLQGERGEQGPTGPAGPRGLPGERGEQGPTGLAGKAGEAGAKGETGPAG PQGPRGEQGPQGLPGKDGEAGAQQPAGPMSPAGERGEKEGEPGTQGAKGDRGETGPVGPGRGERGEAGPAGKDGER GPVGPAGKDGQNGQDGLPGKDGKDGQNGKDGPGKDGKDGQNGKDGKGLPGKDGKDGQDGDGLPGKDGKDGKGLPGK DGKDGQPGKPGKY	36.5
GLPGPRGEQGPTGPTGPAGPRGLQGLQGLQGERGEQGPTGPAGPRGLPGERGEQGPTGLAGKAGEAGAKGETGPAG PQGPRGEQGPQGLPGKDGEAGAQQPAGPMRPAERGEKEGEPGTQGAKGDRGETGPVGPGRGERGEAGPAGKDGER GPVGPAGKDGQNGQDGLPGKDGKDGQNGKDGPGKDGKDGQNGKDGKGLPGKDGKDGQDGDGLPGKDGKDGKGLPGK DGKDGQPGKPGKY	37
GLPGPRGEQGPTGPMGPAGPRGLQGLQGLQGERGEQGPTGPAGPRGLPGERGEQGPTGLAGKAGEAGAKGETGPA GPQGPRGEQGPQGLPGKDGEAGAQQPAGPMGPAGERGEKEGEPGTQGAKGDRGETGPVGPGRGERGEAGPAGKDGE RGPVGPAGKDGQNGQDGLPGKDGKDGQNGKDGPGKDGKDGQNGKDGKGLPGKDGKDGQDGDGLPGKDGKDGKGLPG KDGKDGQPGKPGKY	38.3
GLPGPRGEQGPTGPMRPAERGLQGLQGLQGERGEQGPTGPAGPRGLPGERGEQGPTGLAGKAGEAGAKGETGPA GPQGPRGEQGPQGLPGKDGEAGAQQPAGPMGPAGERGEKEGEPGTQGAKGDRGETGPVGPGRGERGEAGPAGKDGE RGPVGPAGKDGQNGQDGLPGKDGKDGQNGKDGPGKDGKDGQNGKDGKGLPGKDGKDGQDGDGLPGKDGKDGKGLPG KDGKDGQPGKPGKY	6.7