

27687087.r

28526907.m

MAST4

MAST3

6678958.m

MAST2

9910296.m

30842796.r

MAST1

CG6498.AA

113r_E

210

220

230

240

250

260

270

280

290

300

310

320

330

340

350

360

370

380

390

40

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CG6498.AA

113r_E

410

420

430

440

450

460

470

480

490

500

510

520

530

540

550

560

570

580

590

60

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113r_E

610

620

630

640

650

660

670

680

690

700

710

720

730

740

750

760

770

780

790

80

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113r_E

810

820

830

840

850

860

870

880

890

900

910

920

930

940

950

960

970

980

990

10

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113r_E

1010

1020

1030

1040

1050

1060

1070

1080

1090

1100

1110

1120

1130

1140

1150

1160

1170

1180

1190

12

MAST2
9910296.m SPPSPTSKL--SMWSWKSLIHPGPDRASPSRKATMAGGLANLQDENITPAQKKNLSPREQKTTQPSAPRLAHPSYEDPSQGWLWESECAQAVKEDPAISITQVPDASCDRQDVPCRQCPLTQKSEPSLRR-GQEPEGGHQKHRLALVLDELLKQT
30842796.r MPLMPDAAKGRERWVLLVEVEETRILSGRKPSAPKLSPEPDTPTLVPTKVNPRSAAPVPIASLMVPGTKEAGLN-SRCPAEVTPAGLTKTGAT-S-PASLGP
MAST1
CG6498.AA APSVPEEPRGRERWVLLVEVEETRILSGRKPSAPKLSPEPDTPTSLAPAKCSAPSPAVTPVPAASLLGSGKTPQVGLT-SRCPAEVTPAGLTKKGVS-S-PAPPGP
113r_E KDSPTSTQDSSSVSEGCFMPATEPFAPEBESSSTQITLEKPTKVQATEQPEMEPAKSKKVDQKTTTGTPTKPHNSGCKTSMTTTKPAASPVTISTAPRKDTSAVTGGGSSGSGGSAAATSAAKQRK

2410 2420 2430 2440 2450 2460 2470 2480 2490 2500 2510 2520 2530 2540 2550 2560 2570 2580 2590 26

27687087.r RAPLPPPEAA-SKEKPCLKES-AKVKSEWSAIRNDGHRDPCKVLCPLPAAEGKVSDFSKEPKLSPGGRTHDFYKQTQTEKAWA-CAKINHKDSDEVKSLAREDLSHSASILYKEEVQGARKGPPEPK-EVATRCPSQPPGIEGEKSSEKLSAAPSLSQKQAPKEPDRKEQALORSGGGGQQPPSTKELANSAAWQHSS
28526907.m RAPLPPCTPAKEKPCLKES-AKVKSEWSAVRDDGHRDPCKLCPAETGKASDSSKLPLSPGGRTQDFYKQTQTEKAWA-HAKINHKDSDEVKSLAREDLSASILYKEIGRARKGPPEPK-EVATRCPPQPPGIEGEKEKEKLSAAPSLSQKQAPKEPDRKEQTSQRPGGSPQQPPRTKELNSAAWQHGS
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2610 2620 2630 2640 2650 2660 2670 2680 2690 2700 2710 2720 2730 2740 2750 2760 2770 2780 2790 28

27687087.r SPSPHLKKEPGTKAAAEEAISLQDTPFATTCTTAIAATT-SAGHSDCSSLHKSRGDPSPSKAKHODPLSSQKLSAGSAKCKEVSPOLIGGSVREGKGGSKGQSDTFSIAPATQGKASDLVLDQGBGRVTIIILHETESLLDAKIKATNGGPPPEMQEK-HLRQGHPLGSEAODKLLAAGEKQSLSPKHKPKST
28526907.m SPSPHLKKEPGTKAAAEEPSTSLLHDTPFSATTTTCAAGHSDCSSLHKSRGDPSPSKAKHODPLSSQKLSAGSAKCKEVTPOLIGGSIREGKGGSKGFPVDTFSAVLTTQGKASDLVLOGBGRVISIVHTEECPLDAKLNTINGGCPPPEMOAK-HPRQGH-LSEADQKPLIAGEKQSLSPKHKPKST
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2810 2820 2830 2840 2850 2860 2870 2880 2890 2900 2910 2920 2930 2940 2950 2960 2970 2980 2990 30

27687087.r VKDYPLKLCRQTD-KSPGQATIGDRKAEGKKCTEALYVPAPEGYKLEASPFHHGESGLKGAERPAVGGMKGKFSESKGKGCPQPKPAEAVKPGGMKRSPSATQSSLRAAPPEKSLSYASAFPEAQGPVREVTAASSSPSSAKAAVGTSSEGAPSSRDHRKSG-GDSRNQMIKSDLPSFRLSNSTLRESHFD
28526907.m VKDYPSLCRQTD-RSPSHQATTGDRAEGKKCTDALYVPAPEGYKPKPSPSLHHGETGLRGS-VKDCPTLCKQTDRNQTDKSPSQPAANTDRRAEGKKCTEALYVPA-EGDKLEAGLSFVHSENRLKGAAERPAAGVGKGFPEARKGKGPQPKPTEADKPNGMKRSPSATGQSSFRSTALPEKSLSCSSFPETRAGVREAASSDTSSAKAAGGMLELPAPSNRDHRKAQPAGEGRTHMTKSDLSPSFRVSTLPLESHHD
MAST4
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3010 3020 3030 3040 3050 3060 3070 3080

27687087.r PQVPSMAGHRDRALSVTAATGEGKGELET-QPPFVRKCONVKGDVTRAPPVPSADRSPLSSEKDVVVRQRRGKESLRSRSPQKKAS
28526907.m PNTMGGASHRDRALSVTATVGETKGKDPPAPAQPQPPARKQNVRDVTKPSAPNTDRPISLNEKDFVVRQRRGKESLRSRSPHKKAL
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