

>Acanthaster\_pla\_XP\_022085333.1\_cry-2-like

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>Acanthaster\_pla\_XP\_022093922.1\_cry-1-like

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>Acanthaster\_pla\_XP\_022095977.1\_photolyase

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>Acanthaster\_pla\_XP\_022106989.1\_cry\_DASH-1

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>Acanthisitta\_chlo\_KFP78511.1

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>Asterias\_rub\_XP\_033643654.1\_cry-1-like

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>Baryphthengus\_mart\_\_NXG77614.1

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>Baryphthengus\_mart\_\_NXG79270.1

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>Basidiobolus\_mer\_ORX97314.1\_DNA\_photol

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>Betta\_splendens\_XP\_029010221.1\_cryptochro

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A S V V A A S A K G A A L D T N R R R G E G T S I V W F R N D L R V H D N E A L L R A W Q D S D A I L P V F C F D P R L F K K T F S F G L P K T G  
E I R A Q F L L E S V E D L Q R T L E S Q G S V L V V R H G K P E D I I P G I V R A S G A H T V Y G Q K E T C S E E L Y V E R K M S E A L K S L Q  
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I G G K G M L P S F Q E L G Y S Q K R Q L D P R A V L Q F R G G E T V A L A R L E D Y F W K K D K L R V Y K E T R N G M L G A D Y S T K F S P W L  
A F G C L S P R F I H D E L I W R D Y F R F L T I K Y G N N I F K L G G P R N V A G K Q L W N R S T S L F D A W K E G R T G Y P L V D A N M R E L  
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Y D P D G E Y V A H W I P E L A Q V P M P K R H A P Y R L S T E E Q L Q Y G V R I G E G G D Y P E P I V P L K F G D G G G S R P V N G P R P R S A  
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>Crassostrea\_virg\_\_XP\_022332471.1

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>Crassostrea\_virg\_\_XP\_022335390.1

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>Crateromorpha\_mey\_CAZ66368.1\_cry

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>Crocodylus\_por\_XP\_019388427.1\_photolyase

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>Crocodylus\_por\_XP\_019400341.1\_cry-1\_X2

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>Crocodylus\_por\_XP\_019402505.1\_cry-2-like

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>Crotophaga\_sulc\_\_NWS70718.1

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>Crotophaga\_sulc\_\_NWS73616.1

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>Crotophaga\_sulc\_\_NWS77795.1

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>Crotophaga\_sulc\_\_NWS78428.1

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>Crotophaga\_sulc\_\_NWS78782.1

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>Crypthecodinium\_coh\_QD016439.1\_6-4\_photol

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>Crypthecodinium\_coh\_QD016452.1\_CPD\_photol

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>Crypthecodinium\_coh\_QD016498.1\_cry\_DASH,

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>Crypturellus\_undulata\_\_NWJ00429.1

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>Crypturellus\_undulata\_\_NWJ00893.1

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>Crypturellus\_undulata\_\_NWJ02641.1

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>Crypturellus\_undulata\_\_NWJ08543.1

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>Crypturellus\_undulata\_\_NWJ09111.1

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>Ctenocephalides\_felis\_\_XP\_026474410.1\_LOW\_QUALITY

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>Cuculus\_canorus\_\_XP\_009568372.1\_PREDICTED:

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>Cuculus\_canorus\_\_XP\_009555905.1\_cry-1,\_par

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>Cuculus\_can\_XP\_009556633.1\_cry\_DASH-1

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>Cuculus\_can\_XP\_009557709.1\_cry-1-like

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>Cuculus\_can\_XP\_009563639.1\_photolyase

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>Cucurbita\_mos\_bluelightPa\_XP\_022960062.1

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>Cucurbita\_mos\_XP\_022922402.1\_photolyase

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>Cucurbita\_mos\_XP\_022935871.1\_cry\_DASH,

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>Cucurbita\_mos\_XP\_022936701.1\_cry-1\_

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>Cucurbita\_mos\_XP\_022958759.1\_cry-1

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>Cucurbita\_mos\_XP\_022959592.1\_(6-4)DNA\_p

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>Cyanidiococcus\_yan\_1,3-beta-gluc\_KAF6001014.1

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>Cyanidiococcus\_yan\_KAF6000401.1\_cry

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>Cyanidiococcus\_yan\_KAF6001522.1\_F1559\_0025

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>Cyanidiococcus\_yan\_KAF6001604.1\_F1559\_0040

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>Cyanidiococcus\_yan\_KAF6002947.1\_cry-1\_

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>Cyanidiococcus\_yan\_KAF6004024.1\_cry-2

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>Cyclospora\_cay\_XP\_022589613.1\_photolyase

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>Cygnus\_atratus\_XP\_035395284.1\_cryptochro

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>Cygnus\_atr\_XP\_035400705.1\_photolyase

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>Cygnus\_atr\_XP\_035410259.1\_cry\_DASH-1

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>Danio\_rerio\_NP\_001070765.2\_cryptochro

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>Daphnia\_mag\_XP\_032780865.1\_cry-2-like

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>Lates\_calc\_\_XP\_018519856.1

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>Lates\_calc\_\_XP\_018522462.1

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>Lates\_calc\_\_XP\_018529316.1

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>Lates\_calc\_\_XP\_018532761.1

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>Lates\_calc\_\_XP\_018559545.1

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>Latimeria\_chalumnae\_XP\_014343736.1\_PREDICTED:

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>Leishmania\_inf\_XP\_001463490.1\_putative\_D

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>Leishmania\_inf\_XP\_001468129.1\_putative\_D

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>Lepeophtheirus\_sal\_XP\_040563574.1\_cry1-like

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GELKALEDLERRMTHIDHFRKGRYLPNRRSPDILCPPKSLSPDLRFGCLSVRKFYWGIIDANWEFQKAVGLN  
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>Lepeophtheirus\_sal\_XP\_040565695.1\_deoxyribod

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SFNPNFKGFPWKDDEKALAAWKEGRTGVPIVDAGMRELLQTGYMHNRLRMIVASYLVKNLMIHWHRGEDWFDW  
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>Lepeophtheirus\_sal\_XP\_040573653.1\_(6-4) DNA\_p

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WENGQTGYPFIDALMRQMKSTGWMHHLGRHAVSCFLTRGQLYQNWITYGRDVFDRDLVSDYALNTGNWLWLSG  
VATFSMPYFRVYSPCPTEDKKSALNFNAGGNDFIRHWVPELKKFPAKFLTKPWECPKMAQTSCGVIIGKDYPM  
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>Lepeophtheirus\_sal\_XP\_040573654.1\_deoxyribod

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>Lepisosteus\_oculatus\_XP\_006643183.1\_PREDICTED:

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>Lepisosteus\_ocu\_XP\_006628580.1

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>Lepisosteus\_ocu\_XP\_006634324.1\_cry\_DASH-1

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SFLTKDLGIDWRMGAEWFEFLLDVYDVCSNYGNWLYSAGIGNDPRENKFNMIKQGLDYDNNGDYVRLWVPEL  
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>Lepisosteus\_ocu\_XP\_006642290.2\_cry-2-like

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>Lepisosteus\_ocu\_XP\_015207477.1\_cry-1

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>Lepisosteus\_ocu\_XP\_015216926.1\_photolyase

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>Lepisosteus\_ocu\_XP\_015223435.1\_cry-2-like

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>Leptinotarsa\_dec\_XP\_023017756.1\_cry-2-like

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>Leptinotarsa\_dec\_XP\_023024919.1\_photolyase

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>Leptomonas\_pyr\_XP\_015655211.1\_putative\_p

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>Leptomonas\_pyr\_XP\_015655956.1\_putative\_m

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>Leptosomus\_disc\_KFP99119.1

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>Leptosomus\_disc\_XP\_009946273.1

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>Leptosomus\_disc\_XP\_009951143.1

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>Leptosomus\_disc\_XP\_009956042.1

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>Leptosomus\_disc\_XP\_009960183.1

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>Leptotrombidium\_del\_RWS31519.1\_photolyase

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>Limulus\_pol\_XP\_022247971.1\_cry-2-like

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>Limulus\_pol\_XP\_022257009.1\_LOW\_QUALIT

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>Lingula\_ana\_XP\_013382193.1\_photolyase

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>Lingula\_ana\_XP\_013384159.1\_cry-1-like

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>Lingula\_ana\_XP\_013384752.1\_cry-1

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>Lingula\_ana\_XP\_013416713.1\_cry-1

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>Lingulodinium\_pol\_QD016374.1\_CPD\_photol

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[illegible]

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