

Search Details

|                                                    |                                                                                                                                                                                                                        |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Job Title/ Assay Name :<br>acan_incl_Fonly_1150hrs | Amplicon Sequence:<br>CCCAGATCGTTTACCGTGAAAAAATTAGAGTGTTCAAAGCAGGCAG<br>ATCCAATTTTCTGCCACCGAATACATTAGCATGGGATAATGGAATAG<br>GACCCTGTCCTCCTATTTTCAGTTGGTTTTGGCAGCGCGAGGACTA<br>GGGTAATGATTAATAGGGATAGTTGGGGGCATTAATATTTA |
| Effective Date : 2025-10-10                        | Forward: CCCAGATCGTTTACCGTGAA                                                                                                                                                                                          |
| Database : core_nt                                 | Reverse:                                                                                                                                                                                                               |
| Alignment algorithm : blastN                       | Probe:                                                                                                                                                                                                                 |
| Exclusive Organism:                                | Inclusive Organism: Acanthamoeba (5754)                                                                                                                                                                                |
| RID: EH9CWBUH014                                   | Total Result: 4569                                                                                                                                                                                                     |
| App Version: 1.0                                   |                                                                                                                                                                                                                        |

| #Accessions                                 | #Accession Details                                                                                                                                                                                                           | Oligo   | Mutation      | BDS<br>Analysis<br>Performance<br>Prediction | Rating |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------|----------------------------------------------|--------|
| Acanthamoeba/5754 Analyzed Accessions: 1549 |                                                                                                                                                                                                                              |         |               |                                              |        |
| <a href="#">1264</a>                        | <a href="#">1264</a>                                                                                                                                                                                                         | NA      | No Mutations  | Oligo Binds                                  | 5      |
| <a href="#">20</a>                          | <a href="#">20</a>                                                                                                                                                                                                           | Forward | C1-           | Oligo Binds                                  | 4.78   |
| <a href="#">8</a>                           | <a href="#">KT735331</a><br><a href="#">OP164627</a><br><a href="#">KU065131</a><br><a href="#">KT934546</a><br><a href="#">GU808295</a><br><a href="#">PQ431526</a><br><a href="#">OP164616</a><br><a href="#">PV567163</a> | Forward | C1-, C2-      | Oligo Binds                                  | 4.78   |
| <a href="#">1</a>                           | <a href="#">JQ678624</a>                                                                                                                                                                                                     | Forward | T10G          | Oligo Binds                                  | 4.78   |
| <a href="#">4</a>                           | <a href="#">PV567162</a><br><a href="#">LC598796</a><br><a href="#">LC598505</a><br><a href="#">KU884884</a>                                                                                                                 | Forward | C8T           | Oligo Binds                                  | 4.78   |
| <a href="#">1</a>                           | <a href="#">LC604810</a>                                                                                                                                                                                                     | Forward | C3A           | Oligo Binds                                  | 4.78   |
| <a href="#">2</a>                           | <a href="#">JQ678607</a><br><a href="#">LC598382</a>                                                                                                                                                                         | Forward | A13C          | Oligo Binds                                  | 4.56   |
| <a href="#">1</a>                           | <a href="#">EU168079</a>                                                                                                                                                                                                     | Forward | C8G           | Oligo Binds                                  | 4.78   |
| <a href="#">1</a>                           | <a href="#">PP835533</a>                                                                                                                                                                                                     | Forward | G9C           | Oligo Binds                                  | 4.78   |
| <a href="#">1</a>                           | <a href="#">LC598503</a>                                                                                                                                                                                                     | Forward | A13G          | Oligo Binds                                  | 4.56   |
| <a href="#">2</a>                           | <a href="#">PQ031363</a><br><a href="#">LC604809</a>                                                                                                                                                                         | Forward | G9T           | Oligo Binds                                  | 4.78   |
| <a href="#">11</a>                          | <a href="#">EF050504</a><br><a href="#">MK726098</a><br><a href="#">MZ413910</a><br><a href="#">PQ431538</a><br><a href="#">MZ413914</a><br><a href="#">OR243669</a><br><a href="#">KT934531</a>                             | Forward | C1-, C2-, C3- | Oligo Binds                                  | 4.78   |

| #Accessions       | #Accession Details                                                                                                                                                                               | Oligo   | Mutation                     | BDS Analysis Performance Prediction | Rating |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------------|-------------------------------------|--------|
|                   | <a href="#">MZ413913</a><br><a href="#">MH092262</a><br><a href="#">MZ413908</a><br><a href="#">MZ413906</a>                                                                                     |         |                              |                                     |        |
| <a href="#">5</a> | <a href="#">LC598955</a><br><a href="#">JQ418503</a><br><a href="#">LC598797</a><br><a href="#">KP233870</a><br><a href="#">MW181634</a>                                                         | Forward | +6A                          | Oligo Binds                         | 4.78   |
| <a href="#">2</a> | <a href="#">PV567168</a><br><a href="#">PV567161</a>                                                                                                                                             | Forward | +5G                          | Oligo Binds                         | 4.78   |
| <a href="#">1</a> | <a href="#">JQ418501</a>                                                                                                                                                                         | Forward | +8T                          | Oligo Binds                         | 4.78   |
| <a href="#">6</a> | <a href="#">PQ431536</a><br><a href="#">PV810290</a><br><a href="#">HM043808</a><br><a href="#">EF050501</a><br><a href="#">JX683392</a><br><a href="#">MZ413903</a>                             | Forward | C1-, C2-, C3-, A4-           | Oligo Binds                         | 4.78   |
| <a href="#">7</a> | <a href="#">KM189419</a><br><a href="#">MF944087</a><br><a href="#">KP863883</a><br><a href="#">KP863874</a><br><a href="#">KM189427</a><br><a href="#">LC598506</a><br><a href="#">MW181640</a> | Forward | C8-                          | Oligo Binds                         | 4.78   |
| <a href="#">2</a> | <a href="#">JX441875</a><br><a href="#">KM189380</a>                                                                                                                                             | Forward | T7A                          | Oligo Binds                         | 4.78   |
| <a href="#">1</a> | <a href="#">LC598508</a>                                                                                                                                                                         | Forward | T7C                          | Oligo Binds                         | 4.78   |
| <a href="#">6</a> | <a href="#">MG917708</a><br><a href="#">JQ418507</a><br><a href="#">LC598954</a><br><a href="#">LC598792</a><br><a href="#">EF050479</a><br><a href="#">MH024491</a>                             | Forward | T7A, C8T                     | Oligo Binds                         | 4.78   |
| <a href="#">7</a> | <a href="#">MZ401152</a><br><a href="#">MZ413902</a><br><a href="#">MZ413907</a><br><a href="#">MT919365</a><br><a href="#">HQ236525</a><br><a href="#">MZ413915</a><br><a href="#">MG298793</a> | Forward | C1-, C2-, C3-, A4-, G5-      | Oligo Binds                         | 4.78   |
| <a href="#">7</a> | <a href="#">MW274673</a><br><a href="#">JX423590</a><br><a href="#">PQ031364</a><br><a href="#">MW274671</a><br><a href="#">AY148964</a><br><a href="#">MW274674</a><br><a href="#">KM189429</a> | Forward | G5A                          | Oligo Binds                         | 4.78   |
| <a href="#">3</a> | <a href="#">JQ678625</a><br><a href="#">JQ678626</a><br><a href="#">JQ678627</a>                                                                                                                 | Forward | G9C, T10G                    | Oligo Binds                         | 4.78   |
| <a href="#">1</a> | <a href="#">LC598504</a>                                                                                                                                                                         | Forward | G5A, T7A                     | Oligo Binds                         | 4.78   |
| <a href="#">1</a> | <a href="#">PV567159</a>                                                                                                                                                                         | Forward | C8T, +6A                     | Oligo Binds                         | 4.78   |
| <a href="#">7</a> | <a href="#">KM099394</a><br><a href="#">PP835526</a>                                                                                                                                             | Forward | C1-, C2-, C3-, A4-, G5-, A6- | Oligo Binds                         | 4.78   |

| #Accessions        | #Accession Details                                                                                                                       | Oligo   | Mutation                                                | BDS Analysis Performance Prediction | Rating |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------------------------------------|-------------------------------------|--------|
|                    | <a href="#">AB525824</a><br><a href="#">KT892897</a><br><a href="#">FJ042643</a><br><a href="#">JX441878</a><br><a href="#">HQ236521</a> |         |                                                         |                                     |        |
| <a href="#">21</a> | <a href="#">21</a>                                                                                                                       | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-                       | Oligo Binds                         | 4.78   |
| <a href="#">1</a>  | <a href="#">HM048982</a>                                                                                                                 | Forward | C3A, G9-                                                | Oligo Binds                         | 4.78   |
| <a href="#">1</a>  | <a href="#">MW181631</a>                                                                                                                 | Forward | G9-, +5G                                                | Oligo Binds                         | 4.78   |
| <a href="#">29</a> | <a href="#">29</a>                                                                                                                       | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-                  | Oligo Binds                         | 4.78   |
| <a href="#">1</a>  | <a href="#">MN071405</a>                                                                                                                 | Forward | C1-, C2-, C3-, A4-, G9-                                 | Oligo Binds                         | 4.78   |
| <a href="#">31</a> | <a href="#">31</a>                                                                                                                       | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-             | Oligo Binds                         | 4.78   |
| <a href="#">37</a> | <a href="#">37</a>                                                                                                                       | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-       | Oligo Binds                         | 4.78   |
| <a href="#">1</a>  | <a href="#">KU885380</a>                                                                                                                 | Forward | +5R                                                     | Oligo Binds                         | 4.78   |
| <a href="#">1</a>  | <a href="#">JQ678611</a>                                                                                                                 | Forward | A4G, T12-                                               | Oligo Binds                         | 4.56   |
| <a href="#">2</a>  | <a href="#">MT919376</a><br><a href="#">HG797021</a>                                                                                     | Forward | +8C                                                     | Oligo Binds                         | 4.78   |
| <a href="#">4</a>  | <a href="#">MH024482</a><br><a href="#">MZ686716</a><br><a href="#">JQ678613</a><br><a href="#">MG298790</a>                             | Forward | T12-                                                    | Oligo Binds                         | 4.56   |
| <a href="#">1</a>  | <a href="#">PP339673</a>                                                                                                                 | Forward | G5T                                                     | Oligo Binds                         | 4.78   |
| <a href="#">1</a>  | <a href="#">LC598500</a>                                                                                                                 | Forward | C8-, A13C                                               | Oligo Binds                         | 4.56   |
| <a href="#">1</a>  | <a href="#">JQ418495</a>                                                                                                                 | Forward | C1-, C2-, C3-, C8T                                      | Oligo Binds                         | 4.78   |
| <a href="#">1</a>  | <a href="#">GU575126</a>                                                                                                                 | Forward | A13T                                                    | Oligo Binds                         | 4.56   |
| <a href="#">1</a>  | <a href="#">DQ451163</a>                                                                                                                 | Forward | C8A                                                     | Oligo Binds                         | 4.78   |
| <a href="#">1</a>  | <a href="#">KM189390</a>                                                                                                                 | Forward | C1-, C2-, T7C                                           | Oligo Binds                         | 4.78   |
| <a href="#">1</a>  | <a href="#">MH092266</a>                                                                                                                 | Forward | T7-, C8-                                                | Oligo Binds                         | 4.78   |
| <a href="#">1</a>  | <a href="#">EF378669</a>                                                                                                                 | Forward | C1-, C2-, G5T                                           | Oligo Binds                         | 4.78   |
| <a href="#">2</a>  | <a href="#">PQ640069</a><br><a href="#">PQ640070</a>                                                                                     | Forward | G5T, G9T                                                | Oligo Binds                         | 4.78   |
| <a href="#">1</a>  | <a href="#">PQ640071</a>                                                                                                                 | Forward | G5C, C8A, G9T                                           | Oligo Binds                         | 4.78   |
| <a href="#">1</a>  | <a href="#">GU808327</a>                                                                                                                 | Forward | T17C                                                    | Oligo Does Not Bind                 | 0.50   |
| <a href="#">2</a>  | <a href="#">AF349045</a><br><a href="#">OP164622</a>                                                                                     | Forward | T17A                                                    | Oligo Does Not Bind                 | 0.50   |
| <a href="#">1</a>  | <a href="#">JQ418502</a>                                                                                                                 | Forward | A4G, A6T, A13C                                          | Oligo Does Not Bind                 | 1.67   |
| <a href="#">1</a>  | <a href="#">PQ031365</a>                                                                                                                 | Forward | G9C, A19C, A20C                                         | Oligo Does Not Bind                 | 0.50   |
| <a href="#">1</a>  | <a href="#">KU872065</a>                                                                                                                 | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T17G | Oligo Does Not Bind                 | 0.50   |
| <a href="#">1</a>  | <a href="#">OR685534</a>                                                                                                                 | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, C15G | Oligo Does Not Bind                 | 1.67   |

| #Accessions       | #Accession Details                                   | Oligo   | Mutation                                                      | BDS Analysis Performance Prediction | Rating |
|-------------------|------------------------------------------------------|---------|---------------------------------------------------------------|-------------------------------------|--------|
| <a href="#">1</a> | <a href="#">MN071407</a>                             | Forward | C1-, C2-, C3-, A4-, G5-, T12-                                 | Oligo Does Not Bind                 | 1.67   |
| <a href="#">1</a> | <a href="#">EF050493</a>                             | Forward | A4T, C8T, T10G, T17C                                          | Oligo Does Not Bind                 | 0.50   |
| <a href="#">1</a> | <a href="#">PV567185</a>                             | Forward | C14G, +6A                                                     | Oligo Does Not Bind                 | 1.67   |
| <a href="#">1</a> | <a href="#">PV603452</a>                             | Forward | +17AGGAGGG                                                    | Oligo Does Not Bind                 | 0.50   |
| <a href="#">1</a> | <a href="#">JQ678612</a>                             | Forward | C8-, +13G                                                     | Oligo Does Not Bind                 | 1.67   |
| <a href="#">1</a> | <a href="#">MH024476</a>                             | Forward | G16C, T17G, G18T                                              | Oligo Does Not Bind                 | 0.50   |
| <a href="#">1</a> | <a href="#">JQ678608</a>                             | Forward | G9C, T10G, T12C, T17C, +15C                                   | Oligo Does Not Bind                 | 0.50   |
| <a href="#">1</a> | <a href="#">AB594479</a>                             | Forward | C1-, C2-, A13G                                                | Oligo Does Not Bind                 | 1.67   |
| <a href="#">1</a> | <a href="#">MK192686</a>                             | Forward | G5-, C14G, C15G                                               | Oligo Does Not Bind                 | 0.83   |
| <a href="#">1</a> | <a href="#">MH092264</a>                             | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, A20C                  | Oligo Does Not Bind                 | 0.50   |
| <a href="#">2</a> | <a href="#">KP728282</a><br><a href="#">KP728281</a> | Forward | T10A, T12A, C14A, C15A                                        | Oligo Does Not Bind                 | 0.83   |
| <a href="#">1</a> | <a href="#">MH092252</a>                             | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, A20C                       | Oligo Does Not Bind                 | 0.50   |
| <a href="#">1</a> | <a href="#">MH092251</a>                             | Forward | C1-, C2-, C3-, A4-, T11C                                      | Oligo Does Not Bind                 | 1.67   |
| <a href="#">1</a> | <a href="#">MH092277</a>                             | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, A20C       | Oligo Does Not Bind                 | 0.50   |
| <a href="#">1</a> | <a href="#">JN555599</a>                             | Forward | T7A, C8T, G9C, +15T, +18T                                     | Oligo Does Not Bind                 | 0.50   |
| <a href="#">1</a> | <a href="#">MH092248</a>                             | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, A19G       | Oligo Does Not Bind                 | 0.50   |
| <a href="#">1</a> | <a href="#">EF050507</a>                             | Forward | T10A, C15T, A20G, +6G                                         | Oligo Does Not Bind                 | 0.50   |
| <a href="#">1</a> | <a href="#">PQ640067</a>                             | Forward | G5T, G18A                                                     | Oligo Does Not Bind                 | 0.50   |
| <a href="#">1</a> | <a href="#">OP164623</a>                             | Forward | T12G, C15A, G16A, T17A                                        | Oligo Does Not Bind                 | 0.50   |
| <a href="#">1</a> | <a href="#">MH092265</a>                             | Forward | C1-, C2-, C3-, A4-, A19C, A20C                                | Oligo Does Not Bind                 | 0.50   |
| <a href="#">1</a> | <a href="#">KF294892</a>                             | Forward | A6T, C8T, G18A                                                | Oligo Does Not Bind                 | 0.50   |
| <a href="#">1</a> | <a href="#">HQ236502</a>                             | Forward | C1-, C2-, C3-, A4-, G5-, +13T, +19TT                          | Oligo Does Not Bind                 | 1.67   |
| <a href="#">1</a> | <a href="#">MG945020</a>                             | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, A13T, T17C | Oligo Does Not Bind                 | 0.50   |

| #Accessions        | #Accession Details                                                                                                                                                                                                                                                                                                                           | Oligo   | Mutation                                                                                          | BDS Analysis Performance Prediction | Rating |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------------------|-------------------------------------|--------|
| <a href="#">1</a>  | <a href="#">MG945021</a>                                                                                                                                                                                                                                                                                                                     | Forward | C1-, G5C, C8G, A13T                                                                               | Oligo Does Not Bind                 | 1.67   |
| <a href="#">1</a>  | <a href="#">MT944205</a>                                                                                                                                                                                                                                                                                                                     | Forward | T17-                                                                                              | Oligo Does Not Bind                 | 0.50   |
| <a href="#">1</a>  | <a href="#">MH087090</a>                                                                                                                                                                                                                                                                                                                     | Forward | G5T, G9T, T17A                                                                                    | Oligo Does Not Bind                 | 0.50   |
| <a href="#">1</a>  | <a href="#">PQ640072</a>                                                                                                                                                                                                                                                                                                                     | Forward | C1-, C2-, C3-, A4-, G5-, C8A, T17C                                                                | Oligo Does Not Bind                 | 0.50   |
| <a href="#">1</a>  | <a href="#">MN071400</a>                                                                                                                                                                                                                                                                                                                     | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, C15T                                           | Oligo Does Not Bind                 | 1.67   |
| <a href="#">1</a>  | <a href="#">MH087091</a>                                                                                                                                                                                                                                                                                                                     | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, G16C, T17C                                     | Oligo Does Not Bind                 | 0.50   |
| <a href="#">19</a> | <a href="#">19</a>                                                                                                                                                                                                                                                                                                                           | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-                                           | limited coverage (excluded)         | 1.67   |
| <a href="#">22</a> | <a href="#">22</a>                                                                                                                                                                                                                                                                                                                           | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-                                     | limited coverage (excluded)         | 1.67   |
| <a href="#">25</a> | <a href="#">25</a>                                                                                                                                                                                                                                                                                                                           | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-                               | limited coverage (excluded)         | 1.67   |
| <a href="#">12</a> | <a href="#">EU168077</a><br><a href="#">KF928949</a><br><a href="#">MF470277</a><br><a href="#">MF470289</a><br><a href="#">PQ431547</a><br><a href="#">KP184483</a><br><a href="#">PP339694</a><br><a href="#">MF470280</a><br><a href="#">MW181629</a><br><a href="#">MH092276</a><br><a href="#">OK641891</a><br><a href="#">EF050488</a> | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-                         | limited coverage (excluded)         | 1.67   |
| <a href="#">7</a>  | <a href="#">MF470248</a><br><a href="#">FJ042641</a><br><a href="#">MH024484</a><br><a href="#">MN096650</a><br><a href="#">FJ042636</a><br><a href="#">MW181628</a><br><a href="#">MH092267</a>                                                                                                                                             | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-                   | limited coverage (excluded)         | 0.83   |
| <a href="#">2</a>  | <a href="#">MF470316</a><br><a href="#">PV603453</a>                                                                                                                                                                                                                                                                                         | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-             | limited coverage (excluded)         | 0.50   |
| <a href="#">6</a>  | <a href="#">MK192786</a><br><a href="#">KR259809</a><br><a href="#">PQ530044</a><br><a href="#">MH024481</a><br><a href="#">MH092250</a><br><a href="#">KY038361</a>                                                                                                                                                                         | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-       | limited coverage (excluded)         | 0.50   |
| <a href="#">12</a> | <a href="#">FJ042640</a><br><a href="#">AF140711</a>                                                                                                                                                                                                                                                                                         | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-, G18- | limited coverage                    | 0.50   |

| #Accessions                                           | #Accession Details                                                                                                                                                                                                                                                                   | Oligo   | Mutation                                                                                                | BDS Analysis Performance Prediction | Rating |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------------------------|-------------------------------------|--------|
|                                                       | <a href="#">AF140714</a><br><a href="#">AF140719</a><br><a href="#">FJ042651</a><br><a href="#">AF140720</a><br><a href="#">AF140721</a><br><a href="#">AF140715</a><br><a href="#">PP853461</a><br><a href="#">PQ031358</a><br><a href="#">MG298794</a><br><a href="#">KM189400</a> |         |                                                                                                         | (excluded)                          |        |
| <a href="#">2151</a>                                  | <a href="#">2151</a>                                                                                                                                                                                                                                                                 | Forward | Forward Missing                                                                                         | limited coverage (excluded)         | 0.50   |
| <a href="#">3</a>                                     | <a href="#">EU338503</a><br><a href="#">KU872069</a><br><a href="#">EF050477</a>                                                                                                                                                                                                     | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-, G18-, A19- | limited coverage (excluded)         | 0.50   |
| <a href="#">1</a>                                     | <a href="#">MH092261</a>                                                                                                                                                                                                                                                             | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, A20T                                           | limited coverage (excluded)         | 0.50   |
| <a href="#">1</a>                                     | <a href="#">AB327091</a>                                                                                                                                                                                                                                                             | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, G18-, A19-, A20-                                     | limited coverage (excluded)         | 0.50   |
| Acanthamoeba castellanii/5755 Analyzed Accessions: 71 |                                                                                                                                                                                                                                                                                      |         |                                                                                                         |                                     |        |
| <a href="#">54</a>                                    | <a href="#">54</a>                                                                                                                                                                                                                                                                   | NA      | No Mutations                                                                                            | Oligo Binds                         | 5      |
| <a href="#">1</a>                                     | <a href="#">OK641882</a>                                                                                                                                                                                                                                                             | Forward | C1-, C2-                                                                                                | Oligo Binds                         | 4.78   |
| <a href="#">2</a>                                     | <a href="#">PV567158</a><br><a href="#">PX285827</a>                                                                                                                                                                                                                                 | Forward | C8T                                                                                                     | Oligo Binds                         | 4.78   |
| <a href="#">1</a>                                     | <a href="#">MF399029</a>                                                                                                                                                                                                                                                             | Forward | G5A                                                                                                     | Oligo Binds                         | 4.78   |
| <a href="#">3</a>                                     | <a href="#">PQ044632</a><br><a href="#">PV567177</a><br><a href="#">KP221683</a>                                                                                                                                                                                                     | Forward | +6A                                                                                                     | Oligo Binds                         | 4.78   |
| <a href="#">2</a>                                     | <a href="#">PX285830</a><br><a href="#">KX018027</a>                                                                                                                                                                                                                                 | Forward | T7A, C8T                                                                                                | Oligo Binds                         | 4.78   |
| <a href="#">2</a>                                     | <a href="#">ON875356</a><br><a href="#">KP221684</a>                                                                                                                                                                                                                                 | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-                                                                  | Oligo Binds                         | 4.78   |
| <a href="#">2</a>                                     | <a href="#">ON875355</a><br><a href="#">KY981792</a>                                                                                                                                                                                                                                 | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-                                                             | Oligo Binds                         | 4.78   |
| <a href="#">1</a>                                     | <a href="#">KY514424</a>                                                                                                                                                                                                                                                             | Forward | C1-, C2-, C3-, A4-, G5-                                                                                 | Oligo Binds                         | 4.78   |
| <a href="#">1</a>                                     | <a href="#">KU872061</a>                                                                                                                                                                                                                                                             | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-                                                       | Oligo Binds                         | 4.78   |
| <a href="#">1</a>                                     | <a href="#">MK578678</a>                                                                                                                                                                                                                                                             | Forward | C1-, C2-, C3-                                                                                           | Oligo Binds                         | 4.78   |
| <a href="#">1</a>                                     | <a href="#">KY072783</a>                                                                                                                                                                                                                                                             | Forward | G18A                                                                                                    | Oligo Does Not Bind                 | 0.50   |
| <a href="#">9</a>                                     | <a href="#">KX018021</a><br><a href="#">KX018029</a><br><a href="#">KX018028</a><br><a href="#">KJ446977</a><br><a href="#">KC694183</a><br><a href="#">KC694182</a>                                                                                                                 | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-                                                 | limited coverage (excluded)         | 1.67   |

| #Accessions                                                   | #Accession Details                                                               | Oligo   | Mutation                                                                                          | BDS Analysis Performance Prediction | Rating |
|---------------------------------------------------------------|----------------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------------------|-------------------------------------|--------|
|                                                               | <a href="#">KC694178</a><br><a href="#">KR872641</a><br><a href="#">KR872642</a> |         |                                                                                                   |                                     |        |
| <a href="#">3</a>                                             | <a href="#">KX018040</a><br><a href="#">OK641895</a><br><a href="#">OR564019</a> | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-                               | limited coverage (excluded)         | 1.67   |
| <a href="#">1</a>                                             | <a href="#">KY203908</a>                                                         | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-                                     | limited coverage (excluded)         | 1.67   |
| <a href="#">2</a>                                             | <a href="#">KX018038</a><br><a href="#">OK641896</a>                             | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-                         | limited coverage (excluded)         | 1.67   |
| <a href="#">3</a>                                             | <a href="#">OK641900</a><br><a href="#">OR564018</a><br><a href="#">KX018030</a> | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-                   | limited coverage (excluded)         | 0.83   |
| <a href="#">1</a>                                             | <a href="#">OR564015</a>                                                         | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, A19G             | limited coverage (excluded)         | 0.50   |
| <a href="#">103</a>                                           | <a href="#">103</a>                                                              | Forward | Forward Missing                                                                                   | limited coverage (excluded)         | 0.50   |
| <a href="#">1</a>                                             | <a href="#">KX018025</a>                                                         | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-, G18- | limited coverage (excluded)         | 0.50   |
| <b>Acanthamoeba lenticulata/29196 Analyzed Accessions: 68</b> |                                                                                  |         |                                                                                                   |                                     |        |
| <a href="#">50</a>                                            | <a href="#">50</a>                                                               | NA      | No Mutations                                                                                      | Oligo Binds                         | 5      |
| <a href="#">1</a>                                             | <a href="#">KX232519</a>                                                         | Forward | C8T                                                                                               | Oligo Binds                         | 4.78   |
| <a href="#">1</a>                                             | <a href="#">KX018034</a>                                                         | Forward | C8-                                                                                               | Oligo Binds                         | 4.78   |
| <a href="#">1</a>                                             | <a href="#">KX018036</a>                                                         | Forward | T7G, C8T                                                                                          | Oligo Binds                         | 4.78   |
| <a href="#">3</a>                                             | <a href="#">KC694184</a><br><a href="#">KC694186</a><br><a href="#">KM823785</a> | Forward | C1-, C2-, C3-, A4-, G5-, A6-                                                                      | Oligo Binds                         | 4.78   |
| <a href="#">1</a>                                             | <a href="#">KM823779</a>                                                         | Forward | C1-, +7T                                                                                          | Oligo Binds                         | 4.78   |
| <a href="#">1</a>                                             | <a href="#">KC694185</a>                                                         | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-                                                                 | Oligo Binds                         | 4.78   |
| <a href="#">2</a>                                             | <a href="#">KX018045</a><br><a href="#">PV124347</a>                             | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-                                                       | Oligo Binds                         | 4.78   |
| <a href="#">1</a>                                             | <a href="#">PX285828</a>                                                         | Forward | C1-, T7A, C8T                                                                                     | Oligo Binds                         | 4.78   |
| <a href="#">2</a>                                             | <a href="#">KC438381</a><br><a href="#">KX018026</a>                             | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-                                                 | Oligo Binds                         | 4.78   |
| <a href="#">1</a>                                             | <a href="#">KC493773</a>                                                         | Forward | C1-, C2-, C3-                                                                                     | Oligo Binds                         | 4.78   |
| <a href="#">1</a>                                             | <a href="#">KM823782</a>                                                         | Forward | T12A, A13T                                                                                        | Oligo Does Not Bind                 | 1.67   |

| #Accessions                                                | #Accession Details                                                                                                                                                                               | Oligo   | Mutation                                                                  | BDS Analysis Performance Prediction | Rating |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------------------------------------------------------|-------------------------------------|--------|
| <a href="#">1</a>                                          | <a href="#">PP835534</a>                                                                                                                                                                         | Forward | G5A, T7A, T12-                                                            | Oligo Does Not Bind                 | 1.67   |
| <a href="#">1</a>                                          | <a href="#">PP564837</a>                                                                                                                                                                         | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T12A                                        | Oligo Does Not Bind                 | 1.67   |
| <a href="#">1</a>                                          | <a href="#">MW350022</a>                                                                                                                                                                         | Forward | A6T, C8T, T12A, A13G, T17G                                                | Oligo Does Not Bind                 | 0.50   |
| <a href="#">7</a>                                          | <a href="#">KX232520</a><br><a href="#">KX018044</a><br><a href="#">KX018039</a><br><a href="#">KX018032</a><br><a href="#">KX018035</a><br><a href="#">KX018024</a><br><a href="#">KX232517</a> | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-                   | limited coverage (excluded)         | 1.67   |
| <a href="#">1</a>                                          | <a href="#">KX018041</a>                                                                                                                                                                         | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-             | limited coverage (excluded)         | 1.67   |
| <a href="#">3</a>                                          | <a href="#">KX018031</a><br><a href="#">KX018033</a><br><a href="#">PV810108</a>                                                                                                                 | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-       | limited coverage (excluded)         | 1.67   |
| <a href="#">1</a>                                          | <a href="#">KX018046</a>                                                                                                                                                                         | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14- | limited coverage (excluded)         | 1.67   |
| <a href="#">53</a>                                         | <a href="#">53</a>                                                                                                                                                                               | Forward | Forward Missing                                                           | limited coverage (excluded)         | 0.50   |
| <b>Acanthamoeba jacobsi/238784 Analyzed Accessions: 33</b> |                                                                                                                                                                                                  |         |                                                                           |                                     |        |
| <a href="#">29</a>                                         | <a href="#">29</a>                                                                                                                                                                               | NA      | No Mutations                                                              | Oligo Binds                         | 5      |
| <a href="#">1</a>                                          | <a href="#">HG797013</a>                                                                                                                                                                         | Forward | +8C                                                                       | Oligo Binds                         | 4.78   |
| <a href="#">1</a>                                          | <a href="#">KP233872</a>                                                                                                                                                                         | Forward | +6A                                                                       | Oligo Binds                         | 4.78   |
| <a href="#">1</a>                                          | <a href="#">MN685270</a>                                                                                                                                                                         | Forward | T7A, C8T                                                                  | Oligo Binds                         | 4.78   |
| <a href="#">1</a>                                          | <a href="#">KY513795</a>                                                                                                                                                                         | Forward | T12C, +12C                                                                | Oligo Does Not Bind                 | 1.67   |
| <a href="#">41</a>                                         | <a href="#">41</a>                                                                                                                                                                               | Forward | Forward Missing                                                           | limited coverage (excluded)         | 0.50   |
| <b>Acanthamoeba polyphaga/5757 Analyzed Accessions: 30</b> |                                                                                                                                                                                                  |         |                                                                           |                                     |        |
| <a href="#">26</a>                                         | <a href="#">26</a>                                                                                                                                                                               | NA      | No Mutations                                                              | Oligo Binds                         | 5      |
| <a href="#">1</a>                                          | <a href="#">PP564843</a>                                                                                                                                                                         | Forward | C1-, T7A                                                                  | Oligo Binds                         | 4.78   |
| <a href="#">1</a>                                          | <a href="#">FJ807648</a>                                                                                                                                                                         | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-                                    | Oligo Binds                         | 4.78   |
| <a href="#">1</a>                                          | <a href="#">HG797020</a>                                                                                                                                                                         | Forward | G9C, T10G, +13AC                                                          | Oligo Does Not Bind                 | 1.67   |
| <a href="#">1</a>                                          | <a href="#">ON908497</a>                                                                                                                                                                         | Forward | T11A, T12A                                                                | Oligo Does Not Bind                 | 1.67   |

| #Accessions                                             | #Accession Details                                                                                                                                                                                                                                                                                                                                                       | Oligo   | Mutation                                                            | BDS Analysis Performance Prediction | Rating |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------------------------------------------------|-------------------------------------|--------|
| <a href="#">1</a>                                       | <a href="#">KC694188</a>                                                                                                                                                                                                                                                                                                                                                 | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13- | limited coverage (excluded)         | 1.67   |
| <a href="#">43</a>                                      | <a href="#">43</a>                                                                                                                                                                                                                                                                                                                                                       | Forward | Forward Missing                                                     | limited coverage (excluded)         | 0.50   |
| Acanthamoeba hatchetti/65660 Analyzed Accessions: 21    |                                                                                                                                                                                                                                                                                                                                                                          |         |                                                                     |                                     |        |
| <a href="#">20</a>                                      | <a href="#">20</a>                                                                                                                                                                                                                                                                                                                                                       | NA      | No Mutations                                                        | Oligo Binds                         | 5      |
| <a href="#">1</a>                                       | <a href="#">MW350039</a>                                                                                                                                                                                                                                                                                                                                                 | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-                   | Oligo Binds                         | 4.78   |
| <a href="#">24</a>                                      | <a href="#">24</a>                                                                                                                                                                                                                                                                                                                                                       | Forward | Forward Missing                                                     | limited coverage (excluded)         | 0.50   |
| Acanthamoeba culbertsoni/43142 Analyzed Accessions: 14  |                                                                                                                                                                                                                                                                                                                                                                          |         |                                                                     |                                     |        |
| <a href="#">13</a>                                      | <a href="#">MK713903</a><br><a href="#">MK713908</a><br><a href="#">MK713913</a><br><a href="#">MK713910</a><br><a href="#">MK713904</a><br><a href="#">AF019057</a><br><a href="#">MK713907</a><br><a href="#">MK713925</a><br><a href="#">MK713899</a><br><a href="#">MK713902</a><br><a href="#">OR767831</a><br><a href="#">AF019067</a><br><a href="#">DQ499151</a> | NA      | No Mutations                                                        | Oligo Binds                         | 5      |
| <a href="#">1</a>                                       | <a href="#">KY514419</a>                                                                                                                                                                                                                                                                                                                                                 | Forward | C1-, C2-, C3-, C8T                                                  | Oligo Binds                         | 4.78   |
| <a href="#">44</a>                                      | <a href="#">44</a>                                                                                                                                                                                                                                                                                                                                                       | Forward | Forward Missing                                                     | limited coverage (excluded)         | 0.50   |
| Acanthamoeba quina/211522 Analyzed Accessions: 11       |                                                                                                                                                                                                                                                                                                                                                                          |         |                                                                     |                                     |        |
| <a href="#">11</a>                                      | <a href="#">PV959954</a><br><a href="#">AY703023</a><br><a href="#">PV959944</a><br><a href="#">MK713921</a><br><a href="#">MK713900</a><br><a href="#">MK713926</a><br><a href="#">MK713920</a><br><a href="#">MK713923</a><br><a href="#">PP339696</a><br><a href="#">MK713917</a><br><a href="#">MK713918</a>                                                         | NA      | No Mutations                                                        | Oligo Binds                         | 5      |
| <a href="#">4</a>                                       | <a href="#">MG386313</a><br><a href="#">MT539092</a><br><a href="#">OP861630</a><br><a href="#">OP863035</a>                                                                                                                                                                                                                                                             | Forward | Forward Missing                                                     | limited coverage (excluded)         | 0.50   |
| Acanthamoeba palestinensis/28015 Analyzed Accessions: 9 |                                                                                                                                                                                                                                                                                                                                                                          |         |                                                                     |                                     |        |
| <a href="#">6</a>                                       | <a href="#">AF260719</a><br><a href="#">AF019063</a><br><a href="#">AF239296</a>                                                                                                                                                                                                                                                                                         | NA      | No Mutations                                                        | Oligo Binds                         | 5      |

| #Accessions                                        | #Accession Details                                                                                                                                                                                                                                                                                               | Oligo   | Mutation                                                                                          | BDS Analysis Performance Prediction | Rating |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------------------|-------------------------------------|--------|
|                                                    | <a href="#">U07411</a><br><a href="#">PP853467</a><br><a href="#">L09599</a>                                                                                                                                                                                                                                     |         |                                                                                                   |                                     |        |
| <a href="#">2</a>                                  | <a href="#">KC694192</a><br><a href="#">KC694193</a>                                                                                                                                                                                                                                                             | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-                                                 | Oligo Binds                         | 4.78   |
| <a href="#">1</a>                                  | <a href="#">PP872532</a>                                                                                                                                                                                                                                                                                         | Forward | T17G                                                                                              | Oligo Does Not Bind                 | 0.50   |
| <a href="#">20</a>                                 | <a href="#">20</a>                                                                                                                                                                                                                                                                                               | Forward | Forward Missing                                                                                   | limited coverage (excluded)         | 0.50   |
| Acanthamoeba griffini/29195 Analyzed Accessions: 8 |                                                                                                                                                                                                                                                                                                                  |         |                                                                                                   |                                     |        |
| <a href="#">7</a>                                  | <a href="#">U07412</a><br><a href="#">MF100899</a><br><a href="#">S81337</a><br><a href="#">KY072779</a><br><a href="#">KF010846</a><br><a href="#">HQ007040</a><br><a href="#">AF239295</a>                                                                                                                     | NA      | No Mutations                                                                                      | Oligo Binds                         | 5      |
| <a href="#">1</a>                                  | <a href="#">PV770126</a>                                                                                                                                                                                                                                                                                         | Forward | C1-, C2-                                                                                          | Oligo Binds                         | 4.78   |
| <a href="#">2</a>                                  | <a href="#">KR872644</a><br><a href="#">KR872643</a>                                                                                                                                                                                                                                                             | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-                                           | limited coverage (excluded)         | 1.67   |
| <a href="#">2</a>                                  | <a href="#">KC694190</a><br><a href="#">KJ446979</a>                                                                                                                                                                                                                                                             | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-                               | limited coverage (excluded)         | 1.67   |
| <a href="#">1</a>                                  | <a href="#">OK641894</a>                                                                                                                                                                                                                                                                                         | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-                         | limited coverage (excluded)         | 1.67   |
| <a href="#">1</a>                                  | <a href="#">KY488310</a>                                                                                                                                                                                                                                                                                         | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T17G                                     | limited coverage (excluded)         | 0.50   |
| <a href="#">1</a>                                  | <a href="#">KY488312</a>                                                                                                                                                                                                                                                                                         | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-, G18- | limited coverage (excluded)         | 0.50   |
| <a href="#">1</a>                                  | <a href="#">KY488311</a>                                                                                                                                                                                                                                                                                         | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-       | limited coverage (excluded)         | 0.50   |
| <a href="#">13</a>                                 | <a href="#">OM522832</a><br><a href="#">MZ314026</a><br><a href="#">PP767337</a><br><a href="#">PP767334</a><br><a href="#">PP767336</a><br><a href="#">KF914142</a><br><a href="#">GU553135</a><br><a href="#">LC883922</a><br><a href="#">LC883913</a><br><a href="#">PP800745</a><br><a href="#">OM522833</a> | Forward | Forward Missing                                                                                   | limited coverage (excluded)         | 0.50   |

| #Accessions                                             | #Accession Details                                                                                                                                                                                                                                                                                                                                                       | Oligo   | Mutation                                                                                          | BDS Analysis Performance Prediction | Rating |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------------------|-------------------------------------|--------|
|                                                         | <a href="#">LC883916</a><br><a href="#">KJ446980</a>                                                                                                                                                                                                                                                                                                                     |         |                                                                                                   |                                     |        |
| Acanthamoeba triangularis/146752 Analyzed Accessions: 7 |                                                                                                                                                                                                                                                                                                                                                                          |         |                                                                                                   |                                     |        |
| <a href="#">5</a>                                       | <a href="#">MZ310461</a><br><a href="#">MN153012</a><br><a href="#">AF316547</a><br><a href="#">AF346662</a><br><a href="#">LR757994</a>                                                                                                                                                                                                                                 | NA      | No Mutations                                                                                      | Oligo Binds                         | 5      |
| <a href="#">1</a>                                       | <a href="#">KX232518</a>                                                                                                                                                                                                                                                                                                                                                 | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-                                                 | Oligo Binds                         | 4.78   |
| <a href="#">1</a>                                       | <a href="#">MW647650</a>                                                                                                                                                                                                                                                                                                                                                 | Forward | G5A, G9-                                                                                          | Oligo Binds                         | 4.78   |
| <a href="#">1</a>                                       | <a href="#">OP315258</a>                                                                                                                                                                                                                                                                                                                                                 | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-, G18- | limited coverage (excluded)         | 0.50   |
| <a href="#">13</a>                                      | <a href="#">PP356074</a><br><a href="#">PP356073</a><br><a href="#">OK042103</a><br><a href="#">PQ380148</a><br><a href="#">PQ363041</a><br><a href="#">PQ380149</a><br><a href="#">PQ676265</a><br><a href="#">PV235316</a><br><a href="#">OQ679417</a><br><a href="#">OK042098</a><br><a href="#">PQ676296</a><br><a href="#">OP955939</a><br><a href="#">PP707083</a> | Forward | Forward Missing                                                                                   | limited coverage (excluded)         | 0.50   |
| Acanthamoeba healyi/65661 Analyzed Accessions: 5        |                                                                                                                                                                                                                                                                                                                                                                          |         |                                                                                                   |                                     |        |
| <a href="#">4</a>                                       | <a href="#">PV809663</a><br><a href="#">AF019070</a><br><a href="#">MK713915</a><br><a href="#">MK713914</a>                                                                                                                                                                                                                                                             | NA      | No Mutations                                                                                      | Oligo Binds                         | 5      |
| <a href="#">1</a>                                       | <a href="#">MK713906</a>                                                                                                                                                                                                                                                                                                                                                 | Forward | C8A, G9C                                                                                          | Oligo Binds                         | 4.78   |
| <a href="#">3</a>                                       | <a href="#">OK042102</a><br><a href="#">PP356067</a><br><a href="#">MG386314</a>                                                                                                                                                                                                                                                                                         | Forward | Forward Missing                                                                                   | limited coverage (excluded)         | 0.50   |
| Acanthamoeba astronyxis/65658 Analyzed Accessions: 4    |                                                                                                                                                                                                                                                                                                                                                                          |         |                                                                                                   |                                     |        |
| <a href="#">4</a>                                       | <a href="#">AF239293</a><br><a href="#">AY026242</a><br><a href="#">MN239988</a><br><a href="#">AF019064</a>                                                                                                                                                                                                                                                             | NA      | No Mutations                                                                                      | Oligo Binds                         | 5      |
| <a href="#">13</a>                                      | <a href="#">OQ679418</a><br><a href="#">LC310897</a><br><a href="#">PP741727</a><br><a href="#">MZ504294</a><br><a href="#">OQ247949</a><br><a href="#">MZ504291</a><br><a href="#">OM021886</a><br><a href="#">LC883917</a><br><a href="#">KC493775</a><br><a href="#">OP393107</a><br><a href="#">HQ007041</a><br><a href="#">MN091379</a><br><a href="#">OQ247953</a> | Forward | Forward Missing                                                                                   | limited coverage (excluded)         | 0.50   |

| #Accessions                                                      | #Accession Details                                                                                                                       | Oligo   | Mutation                                                            | BDS Analysis Performance Prediction | Rating |
|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------------------------------------------------|-------------------------------------|--------|
| <a href="#">1</a>                                                | <a href="#">HE653911</a>                                                                                                                 | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13- | limited coverage (excluded)         | 1.67   |
| <b>Acanthamoeba lugdunensis/61605 Analyzed Accessions: 4</b>     |                                                                                                                                          |         |                                                                     |                                     |        |
| <a href="#">4</a>                                                | <a href="#">KY072781</a><br><a href="#">AF260718</a><br><a href="#">PP339678</a><br><a href="#">AF005995</a>                             | NA      | No Mutations                                                        | Oligo Binds                         | 5      |
| <a href="#">3</a>                                                | <a href="#">OM455402</a><br><a href="#">OM455401</a><br><a href="#">OR263303</a>                                                         | Forward | Forward Missing                                                     | limited coverage (excluded)         | 0.50   |
| <b>Acanthamoeba rhyodes/32599 Analyzed Accessions: 4</b>         |                                                                                                                                          |         |                                                                     |                                     |        |
| <a href="#">3</a>                                                | <a href="#">U07406</a><br><a href="#">AF260720</a><br><a href="#">AY351644</a>                                                           | NA      | No Mutations                                                        | Oligo Binds                         | 5      |
| <a href="#">1</a>                                                | <a href="#">PP339691</a>                                                                                                                 | Forward | C1-, C2-, C3-, A4-                                                  | Oligo Binds                         | 4.78   |
| <a href="#">1</a>                                                | <a href="#">PP339688</a>                                                                                                                 | Forward | Forward Missing                                                     | limited coverage (excluded)         | 0.50   |
| <b>Acanthamoeba cf. healyi/682864 Analyzed Accessions: 5</b>     |                                                                                                                                          |         |                                                                     |                                     |        |
| <a href="#">2</a>                                                | <a href="#">GQ996533</a><br><a href="#">GQ996532</a>                                                                                     | NA      | No Mutations                                                        | Oligo Binds                         | 5      |
| <a href="#">1</a>                                                | <a href="#">GQ996530</a>                                                                                                                 | Forward | A13T                                                                | Oligo Binds                         | 4.56   |
| <a href="#">1</a>                                                | <a href="#">GU016571</a>                                                                                                                 | Forward | C1-, C2-, A13T, C15-, G18C                                          | Oligo Does Not Bind                 | 0.50   |
| <a href="#">1</a>                                                | <a href="#">GQ996531</a>                                                                                                                 | Forward | C1-, C2-, C3-, A4-, G5-, A6-, T12C, A13G, C14T, G18C                | Oligo Does Not Bind                 | 0.50   |
| <a href="#">5</a>                                                | <a href="#">GU199436</a><br><a href="#">GU199435</a><br><a href="#">GU199437</a><br><a href="#">GU199433</a><br><a href="#">GU199434</a> | Forward | Forward Missing                                                     | limited coverage (excluded)         | 0.50   |
| <b>Acanthamoeba stevensoni/65664 Analyzed Accessions: 3</b>      |                                                                                                                                          |         |                                                                     |                                     |        |
| <a href="#">3</a>                                                | <a href="#">PV959962</a><br><a href="#">AF019069</a><br><a href="#">MK713912</a>                                                         | NA      | No Mutations                                                        | Oligo Binds                         | 5      |
| <a href="#">1</a>                                                | <a href="#">PX272270</a>                                                                                                                 | Forward | Forward Missing                                                     | limited coverage (excluded)         | 0.50   |
| <b>Acanthamoeba divionensis/202919 Analyzed Accessions: 3</b>    |                                                                                                                                          |         |                                                                     |                                     |        |
| <a href="#">3</a>                                                | <a href="#">AY351645</a><br><a href="#">AY351646</a><br><a href="#">AY703021</a>                                                         | NA      | No Mutations                                                        | Oligo Binds                         | 5      |
| <b>Acanthamoeba mauritaniensis/196912 Analyzed Accessions: 2</b> |                                                                                                                                          |         |                                                                     |                                     |        |
| <a href="#">1</a>                                                | <a href="#">AY351647</a>                                                                                                                 | NA      | No Mutations                                                        | Oligo Binds                         | 5      |

| #Accessions                                            | #Accession Details                                                                                                                                                                                                                                                                   | Oligo   | Mutation        | BDS Analysis Performance Prediction | Rating |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|-------------------------------------|--------|
| <a href="#">1</a>                                      | <a href="#">HG797019</a>                                                                                                                                                                                                                                                             | Forward | C8T, G9T, T10C  | Oligo Binds                         | 4.78   |
| <a href="#">4</a>                                      | <a href="#">LC883921</a><br><a href="#">LC883915</a><br><a href="#">LC883914</a><br><a href="#">PV567164</a>                                                                                                                                                                         | Forward | Forward Missing | limited coverage (excluded)         | 0.50   |
| Acanthamoeba royreba/32600 Analyzed Accessions: 2      |                                                                                                                                                                                                                                                                                      |         |                 |                                     |        |
| <a href="#">2</a>                                      | <a href="#">U07417</a><br><a href="#">AF239299</a>                                                                                                                                                                                                                                   | NA      | No Mutations    | Oligo Binds                         | 5      |
| Acanthamoeba comandoni/65659 Analyzed Accessions: 2    |                                                                                                                                                                                                                                                                                      |         |                 |                                     |        |
| <a href="#">1</a>                                      | <a href="#">AF239294</a>                                                                                                                                                                                                                                                             | NA      | No Mutations    | Oligo Binds                         | 5      |
| <a href="#">1</a>                                      | <a href="#">AF019066</a>                                                                                                                                                                                                                                                             | Forward | C8T, C15T       | Oligo Does Not Bind                 | 1.67   |
| Acanthamoeba pearcei/65662 Analyzed Accessions: 1      |                                                                                                                                                                                                                                                                                      |         |                 |                                     |        |
| <a href="#">1</a>                                      | <a href="#">AF019053</a>                                                                                                                                                                                                                                                             | NA      | No Mutations    | Oligo Binds                         | 5      |
| <a href="#">1</a>                                      | <a href="#">GU573879</a>                                                                                                                                                                                                                                                             | Forward | Forward Missing | limited coverage (excluded)         | 0.50   |
| Acanthamoeba byersi/2506114 Analyzed Accessions: 1     |                                                                                                                                                                                                                                                                                      |         |                 |                                     |        |
| <a href="#">1</a>                                      | <a href="#">MN153028</a>                                                                                                                                                                                                                                                             | NA      | No Mutations    | Oligo Binds                         | 5      |
| <a href="#">10</a>                                     | <a href="#">OR352425</a><br><a href="#">OQ247943</a><br><a href="#">PP767958</a><br><a href="#">OR352420</a><br><a href="#">LC883911</a><br><a href="#">PV637010</a><br><a href="#">OQ247944</a><br><a href="#">OQ247940</a><br><a href="#">PV637008</a><br><a href="#">OQ247962</a> | Forward | Forward Missing | limited coverage (excluded)         | 0.50   |
| Acanthamoeba tubiashi/65665 Analyzed Accessions: 1     |                                                                                                                                                                                                                                                                                      |         |                 |                                     |        |
| <a href="#">1</a>                                      | <a href="#">AF019065</a>                                                                                                                                                                                                                                                             | NA      | No Mutations    | Oligo Binds                         | 5      |
| <a href="#">3</a>                                      | <a href="#">MT221441</a><br><a href="#">LC883907</a><br><a href="#">LC883910</a>                                                                                                                                                                                                     | Forward | Forward Missing | limited coverage (excluded)         | 0.50   |
| Acanthamoeba pustulosa/65663 Analyzed Accessions: 1    |                                                                                                                                                                                                                                                                                      |         |                 |                                     |        |
| <a href="#">1</a>                                      | <a href="#">AF019050</a>                                                                                                                                                                                                                                                             | NA      | No Mutations    | Oligo Binds                         | 5      |
| Acanthamoeba terricola/196913 Analyzed Accessions: 1   |                                                                                                                                                                                                                                                                                      |         |                 |                                     |        |
| <a href="#">1</a>                                      | <a href="#">OP738383</a>                                                                                                                                                                                                                                                             | NA      | No Mutations    | Oligo Binds                         | 5      |
| Acanthamoeba echinulata/306324 Analyzed Accessions: 1  |                                                                                                                                                                                                                                                                                      |         |                 |                                     |        |
| <a href="#">1</a>                                      | <a href="#">AY703022</a>                                                                                                                                                                                                                                                             | NA      | No Mutations    | Oligo Binds                         | 5      |
| Acanthamoeba micheli/1675013 Analyzed Accessions: 1    |                                                                                                                                                                                                                                                                                      |         |                 |                                     |        |
| <a href="#">1</a>                                      | <a href="#">KP711387</a>                                                                                                                                                                                                                                                             | NA      | No Mutations    | Oligo Binds                         | 5      |
| Acanthamoeba pyriformis/1899168 Analyzed Accessions: 1 |                                                                                                                                                                                                                                                                                      |         |                 |                                     |        |

| #Accessions       | #Accession Details       | Oligo | Mutation     | BDS<br>Analysis<br>Performance<br>Prediction | Rating |
|-------------------|--------------------------|-------|--------------|----------------------------------------------|--------|
| <a href="#">1</a> | <a href="#">KX840327</a> | NA    | No Mutations | Oligo Binds                                  | 5      |