**Secuencias LiSIDER2 en el cromosoma 32 de *L. infantum***.

**Table1.** SIDER elements present in the *L. infantum* chromosome 32

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name\*** | **New name** | **Subfamily** | **Size (%G+C)** | **Remarks** |
| 32-18439d | 32-18439r | A | 560 (68.4) |  |
| 32-30662d | 32-30662r | A | 560 (68.9) |  |
| 32-40265r | 32-39696d | A | 570 (70.4) |  |
| 32-46425d | 32-46425r | A | 570 (70.0) |  |
| 32-72916r | 32-72349d | A | 568 (70.4) |  |
| 32-84516d | 32-84516r | A | 546 (70.5) |  |
| 32-121058d | 32-121058r | A | 550 (69.6) |  |
| 32-127617d | 32-127617r | A | 515 (69.7) |  |
| 32-169517d | 32-169517r | B | 564 (64.0) |  |
| 32-185886d | 32-185886r | B | 564 (64.2) |  |
| 32-223096r | 32-222503d | C | 594 (66.3) |  |
| 32-233548r | 32-232971d | C | 578 (67.0) |  |
| 32-253919r | 32-253342d | C | 578 (67.5) |  |
| 32-311078d | 32-311078r |  | 535 (61.7) |  |
| 32-355570r | 32-354985d | D | 586 (63.5) |  |
| 32-368447r | 32-367858d | D | 590 (63.6) |  |
| 32-421450r | 32-420911d | E | 540 (68.0) |  |
| 32-456615r | 32-456060d | E | 556 (67.8) |  |
| 32-460150d | 32-460150r | E | 555 (67.8) |  |
| 32-521070r | 32-520410d | F | 661 (68.4) |  |
| 32-543284r | 32-542863d | F | 422 (68.5) | Truncated |
| 32-546470d | 32-546470r | F | 679 (68.3) |  |
| 32-588727d | 32-588727r | F | 588 (66.7) |  |
| 32-598168d | 32-598168r | F | 597 (68.2) |  |
| 32-643446r | 32-642986d | F | 461 (68.6) | Truncated |
| 32-661708d | 32-661708r |  | 552 (64.7) |  |
| 32-726312d | 32-726312r | G | 490 (66.9) |  |
| 32-734536d | 32-734536r | G | 489 (68.5) |  |
| 32-752616d | 32-752616r | G | 492 (67.9) |  |
| 32-755765d | 32-755765r | G | 491 (68.8) |  |
| 32-769406d | 32-769406r |  | 441 (61.0) |  |
| 32-772687d | 32-772687r |  | 425 (60.9) |  |
| 32-775723d | 32-775723r | H | 265 (65.3) | Truncated |
| 32-794401d | 32-794401r | H | 603 (63.2) |  |
| 32-802492d | 32-802492r | H | 550 (63.8) |  |
| 32-808837d | 32-808837r | H | 550 (64.0) |  |
| 32-828184r | 32-827594d | H | 591 (62.4) |  |
| 32-881720d | 32-881720r | I | 570 (66.7) |  |
| 32-890515d | 32-890515r | I | 573 (66.8) |  |
| 32-919839d | 32-919839r | J | 623 (70.0) |  |
| 32-938402r | 32-937896d | J | 507 (70.6) |  |
| 32-953057d | 32-953057r | J | 623 (70.0) |  |
| 32-991979d | 32-991979r | K | 614 (65.3) |  |
| 32-1017837d | 32-1017837r | K | 614 (65.2) |  |
| 32-1128071d | 32-1128071r |  | 506 (63.4) |  |
| 32-1141454d | 32-1141454r |  | 404 (60.4) |  |
| 32-1172656r | 32-1172151d | L | 506 (67.8) |  |
| 32-1195627r | 32-1195026d | L | 602 (66.5) |  |
| 32-1219109d | 32-1219109r | L | 602 (66.6) |  |
| 32-1284787r | 32-1284330d |  | 458 (65.9) |  |
| 32-1405698r | 32-1405232d |  | 467 (64.9) |  |
| 32-1496683r | 32-1496187d | M | 497 (66.4) |  |
| 32-1533309r | 32-1532945d | M | 365 (68.2) | Truncated |
| 32-1545859r | 32-1545347d |  | 513 (61.6) |  |

\*The elements are named with the chromosome number (i.e., 32) and the position in the chromosome, according to the contig LinJ32\_20070420\_V3 sequence; d and r denote that the element is located in the plus or minus DNA strand, respectively.

Para normalizar la anotación con el resto de cromosomas, hago los siguientes cambios sobre la tabla anterior:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **New name** | **Location** | **Size (bp)** | **Subfamily** | **Remarks** |
| 32A-18439r | 18439-18998 | 560 | A |  |
| 32A-30662r | 30662-31221 | 560 | A |  |
| 32A-39696d | 39696-40265 | 570 | A |  |
| 32A-46425r | 46425-46994 | 570 | A |  |
| 32A-72349d | 72349-72916 | 568 | A |  |
| 32A-84516r | 84516-85061 | 546 | A |  |
| 32A-121058r | 121058-121607 | 550 | A |  |
| 32A-127617r | 127617-128131 | 515 | A |  |
| 32B-169517r | 169517-170080 | 564 | B |  |
| 32B-185886r | 185886-186449 | 564 | B |  |
| 32C-222503d | 222503-223096 | 594 | C |  |
| 32C-232971d | 232971-233548 | 578 | C |  |
| 32C-253342d | 253342-253919 | 578 | C |  |
| 32-311078r | 311078-311612 | 535 |  |  |
| 32D-354985d | 355000-355585 | 586 | D |  |
| 32D-367858d | 367858-368447 | 590 | D |  |
| 32E-420911d | 420911-421450 | 540 | E |  |
| 32E-456060d | 456060-456615 | 556 | E |  |
| 32E-460150r | 460150-460704 | 555 | E |  |
| 32F-520410d | 520410-521070 | 661 | F |  |
| 32F-542863d | 542863-543284 | 422 | F | Truncated |
| 32F-546470r | 546470-547148 | 679 | F |  |
| 32F-588727r | 588727-589314 | 588 | F |  |
| 32F-598168r | 598168-598764 | 597 | F |  |
| 32F-642986d | 642986-643446 | 461 | F | Truncated |
| 32-661708r | 661708-662259 | 552 |  |  |
| 32G-726312r | 726312-726801 | 490 | G |  |
| 32G-734536r | 734536-735024 | 489 | G |  |
| 32G-752616r | 752616-753107 | 492 | G |  |
| 32G-755765r | 755765-756255 | 491 | G |  |
| 32-769406r | 769413-769853 | 441 |  |  |
| 32-772687r | 772687-773111 | 425 |  |  |
| 32H-775723r | 775723-775987 | 265 | H | Truncated |
| 32H-794401r | 794401-795003 | 603 | H |  |
| 32H-802492r | 802492-803041 | 550 | H |  |
| 32H-808837r | 808837-809386 | 550 | H |  |
| 32H-827594d | 827594-828184 | 591 | H |  |
| 32I-881720r | 881722-882291 | 570 | I |  |
| 32I-890515r | 890515-891087 | 573 | I |  |
| 32J-919839r | 919839-920461 | 623 | J |  |
| 32J-937896d | 937896-938402 | 507 | J |  |
| 32J-953057r | 953057-953679 | 623 | J |  |
| 32K-991979r | 991979-992592 | 614 | K |  |
| 32K-1017837r | 1017828-1018441 | 614 | K |  |
| 32-1128071r | 1128071-1128576 | 506 |  |  |
| 32-1141454r | 1141454-1141857 | 404 |  |  |
| 32L-1172151d | 1172151-1172656 | 506 | L |  |
| 32L-1195026d | 1195026-1195627 | 602 | L |  |
| 32L-1219109r | 1219109-1219710 | 602 | L |  |
| 32-1284330d | 1284330-1284787 | 458 |  |  |
| 32-1405232d | 1405232-1405698 | 467 |  |  |
| 32M-1496187d | 1496187-1496683 | 497 | M |  |
| 32M-1532945d | 1532945-1533309 | 365 | M | Truncated |
| 32-1545347d | 1545347-1545859 | 513 |  |  |

**>LiSIDER2-32-18439r**

ACCGCAATACATGGTGTTACAGGGCTCACTACTCTACTCGGCGGCAAAGCCAAGCAGCCCGGACCCCCTCATTCCTTGCGAAGTGCCGAACCACCTGTGGTGGTGACAGGGTCGCCGGCGCCGGCGCCGTGCTGGAAGTCCGGGCGACGTATCGCTGCTGATGTAGTTGGTCGGGTCCTGGCCGGGCGTTGCGTCGGGGCGACCGGCGACAGTGAACACGCGTGTGCCATCCATATGGTTCGGCAGCGTGTCACCGCGTCTCGAGAGTAACCCGCCCGGGCCCCTACACCGCCCACTGGTGTGCGGGCGGGGGGAGGGCGGGGGCAGCGGCGCCCGCGCCCATTCCGAGAAGGGAGGGAGGCACGAGCTGGCGGCCGGCGAGGCGGCGGGTGGGTGGGGTAGAGCTCGAGGGCAGATGGCCGTGCTCAGATAGCTGAGTCGGCAGCACTGCTGCACCGCGTGCCTGCCGCTTCTTCGCGCGACGCGGGGTGGGACTGTGACAGGCCGTGGGTGGAGCGGAGCTTGCCCTGTGTTGGAGTGGCAGAATAGGCCATGTGAAG

**>LiSIDER2-32-30662r**

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**>LiSIDER2-32-46425r**

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**>LiSIDER2-32-72349d**

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**>LiSIDER2-32-84516r**

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**>LiSIDER2-32-121058r**

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**>LiSIDER2-32-127617r**

AACTCCATGCGTGGTGCCGCAGGGCCCAGTACCCCCACCCTCTCTCTCTCTGGAGAAGCCGGGAGGCCACCCTATCGCTGACCAAGTGCCGAACCACCTGTGGTGGTGACAGGGTCGCAGGCGCCGGCGCCGTGCTGGAGGTCCAGGCGACGTATCGCTGCTGATGTAGTTGGCCGGGTCCTGGCTGGGCGTTGCGTCGGGGCGACCGGCGACAGTGAACACGCGTGTGCCATCCATATGATTCGGCAGCGTGTCACCGCGTCTCGAGAGTAACCCGCCCGGGCCCCTACACCGCCCACTGGTGTGCGGGCGGGGGCAGCGGCGCCCGCGCCCATTCCGAGAAGGGAGGGAGGCACCAGCTGGCGACCGGCGAGGCGGCGAGTGGGTGGGGTAGAGCTCGAGGGCAGGTGGCCGTGCTGGGATGACCGGGTCGGCGCACTGCTGCAACGCGCGTGCCTTGCGCTGCTTCGCCCCACACGATGGGGTCTGTGACAGGCCGGGTGGGGGTAGAGTGG

**>LiSIDER2-32-169517r**

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**>LiSIDER2-32-232971d**

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**>LiSIDER2-32-253342d**

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**>LiSIDER2-32-367858d**

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**>LiSIDER2-32-420911d**

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