

Table S2: 183 unknown transcripts that hits for BLASTn

| Seqname | Description | Tags | #Hits | Length | e-Value | sim mean | source |
|-----------------------------------|---|-----------|-------|--------|-----------|----------|---------|
| NW_019167971.1:9502348-9504531 | Theobroma cacao genome assembly, chromosome: II | [BLASTED] | 20 | 1988 | 1.82E-75 | 83.73 | YSMS-UP |
| NW_019168270.1:18863750-18865709 | Theobroma cacao genome assembly, chromosome: V | [BLASTED] | 20 | 1696 | 5.87E-75 | 81.21 | YSMS-UP |
| NW_019168270.1:11968223-11969753 | Gossypium raimondii uncharacterized LOC105780592 (LOC105780592), mRNA | [BLASTED] | 2 | 1531 | 2.16E-04 | 94.73 | YSMS-UP |
| NW_019168015.:15186720-15189824 | Theobroma cacao genome assembly, chromosome: I | [BLASTED] | 20 | 1064 | 9.83E-109 | 91.41 | YSMS-UP |
| NW_019167915.1: 13785307-13786351 | Theobroma cacao genome assembly, chromosome: I | [BLASTED] | 20 | 1045 | 0 | 90.9 | YSMS-UP |
| NW_019168159.1:4201784-4202728 | Theobroma cacao genome assembly, chromosome: IX | [BLASTED] | 16 | 945 | 0 | 84.84 | YSMS-UP |
| NW_019168159.1: 25134492-25135295 | Theobroma cacao genome assembly, chromosome: IX | [BLASTED] | 5 | 804 | 2.85E-141 | 86.7 | YSMS-UP |
| NW_019168015.1:15186720-15189311 | Theobroma cacao genome assembly, chromosome: I | [BLASTED] | 20 | 767 | 2.45E-167 | 90.65 | YSMS-UP |
| NW_019167893.1:10938250-10938934 | Theobroma cacao genome assembly, chromosome: I | [BLASTED] | 6 | 685 | 3.62E-15 | 99.14 | YSMS-UP |
| NW_019167960.1:18173970-18175365 | Juglans regia cold-regulated 413 plasma membrane protein 2 (LOC108995251), mRNA | [BLASTED] | 4 | 647 | 2.16E-64 | 83.68 | YSMS-UP |
| NW_019168481.1:1452342-1452963 | Gossypium hirsutum cultivar TM1 chromosome A11 | [BLASTED] | 8 | 622 | 2.29E-27 | 88.12 | YSMS-UP |
| NW_019167993.1:6438137-6438755 | Theobroma cacao genome assembly, chromosome: VII | [BLASTED] | 1 | 619 | 2.91E-30 | 83.67 | YSMS-UP |
| NW_019168037.1:2689102-2689625 | Herrania umbratica uncharacterized LOC110424571 (LOC110424571), mRNA | [BLASTED] | 6 | 524 | 2.55E-96 | 94.46 | YSMS-UP |

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|--------------------------------------|---|-----------|----|-----|-----------|-------|-------------|
| NW_019167838.1:14457975:1445825 3 | Bombax ceiba chloroplast, complete genome | [BLASTED] | 20 | 279 | 3.10E-134 | 91.44 | YSMS -UP |
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| SeqName | Description | Tags | #Hits | Length | e-Value | sim mean | source |
|-----------------------------------|---|-----------|-------|--------|-----------|----------|-----------------------|
| NW_019167871.1: 12301374-12309498 | Heritiera parvifolia chloroplast, complete genome | [BLASTED] | 20 | 8035 | 0 | 96.89 | YSMS - DOW N |
| NW_019168372.1:18750-22075 | Bombax ceiba mitochondrion, complete genome | [BLASTED] | 20 | 3326 | 0 | 98.65 | YSMS - DOW N |
| NW_019168481.1:7618863-7621657 | Firmiana major chloroplast, complete genome | [BLASTED] | 20 | 2795 | 0 | 99.31 | YSMS - DOW N |
| NW_019168372.1:18934-22075 | Gossypium raimondii mitochondrion, complete genome | [BLASTED] | 20 | 2292 | 0 | 99.24 | YSMS - DOW N |
| NW_019167904.1: 5039630-5041900 | Bombax ceiba chloroplast, complete genome | [BLASTED] | 20 | 2271 | 0 | 98.98 | YSMS - DOW N |
| NW_019168381.1: 21496987-21498987 | Nepenthes ventricosa x Nepenthes alata isolate NEP-CB1 mitochondrion, complete genome | [BLASTED] | 20 | 2001 | 1.35E-164 | 88.39 | YSMS - DOW N |
| NW_019167860.1: 4985591-4987475 | Firmiana major chloroplast, complete genome | [BLASTED] | 20 | 1885 | 0 | 98.69 | YSMS - DOW N |

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| NW_019168004.1:13989145-13990825 | Gossypium raimondii uncharacterized LOC105783841 (LOC105783841), transcript variant X4, mRNA | [BLASTED] | 8 | 1681 | 9.55E-92 | 83.09 | YSMS - DOW N |
| NW_019167949.1:11994234-11995878 | Bombax ceiba mitochondrion, complete genome | [BLASTED] | 20 | 1645 | 0 | 96.73 | YSMS - DOW N |
| NW_019167893.1:13844270-13845835 | Theobroma cacao genome assembly, chromosome: IV | [BLASTED] | 2 | 1566 | 3.82E-98 | 83.05 | YSMS - DOW N |
| NW_019168481.1:21937308-21938779 | Theobroma cacao genome assembly, chromosome: V | [BLASTED] | 1 | 1472 | 2.19E-81 | 90.13 | YSMS - DOW N |
| NW_019168381.1:13332339-13333685 | Bombax ceiba chloroplast, complete genome | [BLASTED] | 20 | 1347 | 0 | 97.51 | YSMS - DOW N |
| NW_019167949.1:11984055-11985399 | Bombax ceiba mitochondrion, complete genome | [BLASTED] | 20 | 1345 | 0 | 97.5 | YSMS - DOW N |
| NW_019168159.1:312044-313279 | Theobroma cacao genome assembly, chromosome: IX | [BLASTED] | 2 | 1236 | 2.41E-128 | 85.16 | YSMS - DOW N |
| NW_019167860.1:17939291-17942487 | Herrania umbratica prostatic spermine-binding protein (LOC110408924), mRNA | [BLASTED] | 4 | 1224 | 7.72E-77 | 88.98 | YSMS - DOW N |
| NW_019167882.1:19639717-19640852 | Theobroma cacao genome assembly, chromosome: IX | [BLASTED] | 1 | 1136 | 0 | 88.01 | YSMS - |

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| NW_019167826.1:10498228-10499259 | Bombax ceiba mitochondrion, complete genome | [BLASTED] | 20 | 1032 | 0 | 99.3 | YSMS - DOW N |
| NW_019167937.1:9022579-9023581 | Firmiana major chloroplast, complete genome | [BLASTED] | 20 | 1003 | 0 | 98.45 | YSMS - DOW N |
| NW_019167860.1:22526006-22527008 | Herrania umbratica RPM1-interacting protein 4 (LOC110409707), mRNA | [BLASTED] | 3 | 1003 | 3.46E-86 | 89.49 | YSMS - DOW N |
| NW_019167937.1:30859575-30860561 | Theobroma cacao classical arabinogalactan protein 5 (LOC18592104), mRNA | [BLASTED] | 4 | 987 | 2.09E-80 | 87.3 | YSMS - DOW N |
| NW_019167860.1:17939291-17942245 | Herrania umbratica prostatic spermine-binding protein (LOC110408924), mRNA | [BLASTED] | 4 | 984 | 6.18E-77 | 88.63 | YSMS - DOW N |
| NW_019168381.1:3633511-3634478 | Gossypium arboreum BON1-associated protein 2-like (LOC108482444), mRNA | [BLASTED] | 4 | 968 | 1.85E-106 | 81.59 | YSMS - DOW N |
| NW_019168381.1:5918091-5919049 | Theobroma cacao genome assembly, chromosome: III | [BLASTED] | 4 | 959 | 4.76E-85 | 87.94 | YSMS - DOW N |
| NW_019168048.1:28304934-28305879 | Gossypium hirsutum midasin-like (LOC107916406), mRNA | [BLASTED] | 20 | 946 | 6.52E-29 | 93.13 | YSMS - DOW N |

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|----------------------------------|---|-----------|----|-----|-----------|-------|-----------------------|
| NW_019167882.1:14582467-14583314 | Gossypium hirsutum uncharacterized LOC107886348 (LOC107886348), transcript variant X3, mRNA | [BLASTED] | 10 | 848 | 1.95E-32 | 88.93 | YSMS - DOW N |
| NW_019167949.1:12346787-12347589 | Bombax ceiba mitochondrion, complete genome | [BLASTED] | 20 | 803 | 0 | 99.28 | YSMS - DOW N |
| NW_019168381.1:19067751-19068661 | Theobroma cacao uncharacterized LOC18605856 (LOC18605856), mRNA | [BLASTED] | 2 | 788 | 1.15E-81 | 85.89 | YSMS - DOW N |
| NW_019167982.1:5433561-5434345 | Theobroma cacao genome assembly, chromosome: VI | [BLASTED] | 1 | 785 | 2.16E-127 | 83.97 | YSMS - DOW N |
| NW_019167893.1:20664963-20665735 | Theobroma cacao genome assembly, chromosome: IV | [BLASTED] | 1 | 773 | 3.26E-34 | 80.66 | YSMS - DOW N |
| NW_019167915.1:3730953-3731701 | Theobroma cacao genome assembly, chromosome: II | [BLASTED] | 1 | 749 | 4.59E-55 | 78.93 | YSMS - DOW N |
| NW_019167860.1:12057659-12058577 | Theobroma cacao genome assembly, chromosome: IV | [BLASTED] | 1 | 728 | 1.92E-61 | 85.2 | YSMS - DOW N |
| NW_019168015.1:12174797-12177116 | Theobroma cacao uncharacterized LOC108662373 (LOC108662373), ncRNA | [BLASTED] | 20 | 723 | 2.28E-156 | 85.85 | YSMS - DOW N |
| NW_019167860.1:10979126-10979828 | Theobroma cacao genome assembly, chromosome: IV | [BLASTED] | 1 | 703 | 7.84E-46 | 88.65 | YSMS - |

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|----------------------------------|--|-----------|----|-----|-----------|-------|-----------------------|
| | | | | | | | DOW N |
| NW_019168159.1:591473-592175 | Theobroma cacao genome assembly, chromosome: IX | [BLASTED] | 3 | 703 | 7.09E-72 | 83.86 | YSMS - DOW N |
| NW_019167849.1:16130386-16131081 | Herrania umbratica uncharacterized LOC110416191 (LOC110416191), mRNA | [BLASTED] | 1 | 696 | 3.83E-81 | 86.74 | YSMS - DOW N |
| NW_019167882.1:14689837-14690506 | Herrania umbratica uncharacterized LOC110411337 (LOC110411337), mRNA | [BLASTED] | 3 | 670 | 4.06E-44 | 91.26 | YSMS - DOW N |
| NW_019167827.1:11636823-11637469 | Gossypium schwendimanii chloroplast, complete genome | [BLASTED] | 20 | 647 | 1.25E-150 | 97.4 | YSMS - DOW N |
| NW_019167982.1:8758544-8759160 | Theobroma cacao chloroplast, complete genome | [BLASTED] | 20 | 617 | 0 | 94.75 | YSMS - DOW N |
| NW_019168481.1:7633071-7633685 | Firmiana major chloroplast, complete genome | [BLASTED] | 20 | 615 | 0 | 98.19 | YSMS - DOW N |
| NW_019168481.1:24322214-24322983 | Theobroma cacao uncharacterized LOC18597917 (LOC18597917), mRNA | [BLASTED] | 14 | 587 | 5.91E-83 | 89.41 | YSMS - DOW N |
| NW_019168481.1:21935807-21936379 | Theobroma cacao genome assembly, chromosome: V | [BLASTED] | 1 | 573 | 1.06E-84 | 86.81 | YSMS - DOW N |

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|-----------------------------------|--|-----------|----|-----|-----------|-------|-----------------------|
| NW_019168159.1:18219240-18219809 | Heritiera parvifolia chloroplast, complete genome | [BLASTED] | 20 | 570 | 0 | 94.92 | YSMS - DOW N |
| NW_019167893.1:8497759-8498313 | Bombax ceiba chloroplast, complete genome | [BLASTED] | 20 | 555 | 0 | 98.74 | YSMS - DOW N |
| NW_019168270.1:6140382-6140928 | Firmiana major chloroplast, complete genome | [BLASTED] | 20 | 547 | 0 | 98.01 | YSMS - DOW N |
| NW_019168470.1:14248950-14249489 | Heritiera parvifolia chloroplast, complete genome | [BLASTED] | 20 | 540 | 0 | 96.5 | YSMS - DOW N |
| NW_019168270.1:20807137-20807648 | Hibiscus syriacus chloroplast, complete genome | [BLASTED] | 20 | 512 | 0 | 97.04 | YSMS - DOW N |
| NW_019167949.1:8721322-8721813 | Bombax ceiba mitochondrion, complete genome | [BLASTED] | 20 | 492 | 0 | 96.24 | YSMS - DOW N |
| NW_019167949.1:11985825-11986305 | Gossypium raimondii mitochondrion, complete genome | [BLASTED] | 20 | 481 | 0 | 98.3 | YSMS - DOW N |
| NW_019168481.1:22994853-22995330 | Theobroma cacao genome assembly, chromosome: V | [BLASTED] | 5 | 478 | 1.15E-131 | 83.59 | YSMS - DOW N |
| NW_019168004.1: 10963045-10963771 | Theobroma cacao uncharacterized LOC18599907 (LOC18599907), ncRNA | [BLASTED] | 3 | 423 | 3.26E-80 | 94.19 | YSMS - |

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|----------------------------------|---|-----------|----|-----|-----------|-------|-----------------------|
| | | | | | | | DOW N |
| NW_019167937.1:29587032-29587445 | Theobroma cacao genome assembly, chromosome: VIII | [BLASTED] | 3 | 414 | 7.41E-74 | 88.66 | YSMS - DOW N |
| NW_019168159.1:20157976-20158383 | Firmiana major chloroplast, complete genome | [BLASTED] | 20 | 408 | 0 | 92.28 | YSMS - DOW N |
| NW_019168481.1:22613037-22613421 | Bombax ceiba mitochondrion, complete genome | [BLASTED] | 20 | 385 | 0 | 95.97 | YSMS - DOW N |
| NW_019168492.1:4004538-4004891 | Bombax ceiba chloroplast, complete genome | [BLASTED] | 20 | 354 | 9.12E-84 | 99.13 | YSMS - DOW N |
| NW_019168481.1:7632489-7632810 | Bombax ceiba chloroplast, complete genome | [BLASTED] | 20 | 322 | 1.60E-173 | 99.52 | YSMS - DOW N |
| NW_019167827.1:17152989-17153306 | Heritiera parvifolia chloroplast, complete genome | [BLASTED] | 20 | 318 | 3.65E-167 | 98.2 | YSMS - DOW N |
| NW_019167949.1:12345904-12346219 | Bombax ceiba mitochondrion, complete genome | [BLASTED] | 20 | 316 | 7.49E-165 | 98.05 | YSMS - DOW N |
| NW_019168470.1:22482891-22483195 | Firmiana major chloroplast, complete genome | [BLASTED] | 20 | 305 | 1.15E-137 | 95.8 | YSMS - DOW N |

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|----------------------------------|---|-----------|----|-----|-----------|-------|-----------------------|
| NW_019168492.1:15806924-15807221 | Theobroma cacao genome assembly, chromosome: X | [BLASTED] | 2 | 298 | 5.88E-70 | 89.84 | YSMS - DOW N |
| NW_019167860.1:11010162-11010457 | Berberidopsis corallina voucher Yi14295 (KUN) plastid, complete genome | [BLASTED] | 20 | 296 | 8.84E-157 | 99.34 | YSMS - DOW N |
| NW_019168481.1:9684460-9684754 | Theobroma cacao chloroplast, complete genome | [BLASTED] | 20 | 295 | 4.82E-155 | 97.95 | YSMS - DOW N |
| NW_019167960.1:12598067-12598355 | Gossypium raimondii mitochondrion, complete genome | [BLASTED] | 20 | 289 | 5.25E-140 | 98.05 | YSMS - DOW N |
| NW_019167827.1:2747578-2747865 | Gossypium schwendimanii chloroplast, complete genome | [BLASTED] | 20 | 288 | 6.72E-154 | 99.34 | YSMS - DOW N |
| NW_019168470.1:1881524_1881807 | Hibiscus syriacus chloroplast, complete genome | [BLASTED] | 20 | 284 | 4.07E-148 | 97.96 | YSMS - DOW N |
| NW_019167838.1:5997667-5997945 | Gossypium schwendimanii chloroplast, complete genome | [BLASTED] | 20 | 279 | 1.18E-144 | 99.3 | YSMS - DOW N |
| NW_019167827.1:20379868-20380144 | Vigna angularis var. angularis DNA, chromosome 4, almost complete sequence, cultivar: Shumari | [BLASTED] | 16 | 277 | 1.99E-25 | 82.76 | YSMS - DOW N |
| NW_019167893.1:16678478-16678744 | Hibiscus syriacus chloroplast, complete genome | [BLASTED] | 20 | 267 | 8.82E-142 | 97.23 | YSMS - |

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| | | | | | | | DOW N |
| NW_019168159.1:18220063-18220319 | Heritiera parvifolia chloroplast, complete genome | [BLASTED] | 20 | 257 | 5.86E-132 | 97.42 | YSMS - DOW N |
| NW_019167849.1:10542554-10542794 | Xylocarpus moluccensis chloroplast, complete genome | [BLASTED] | 20 | 241 | 2.61E-123 | 100 | YSMS - DOW N |
| NW_019167993.1:14605263-14605499 | Firmiana major chloroplast, complete genome | [BLASTED] | 20 | 237 | 6.76E-124 | 98.35 | YSMS - DOW N |
| NW_019167926.1:12668483-12668716 | Bombax ceiba mitochondrion, complete genome | [BLASTED] | 20 | 234 | 1.06E-96 | 89.87 | YSMS - DOW N |
| NW_019168048.1:22138546-22138777 | Heritiera parvifolia chloroplast, complete genome | [BLASTED] | 20 | 232 | 7.46E-120 | 99.52 | YSMS - DOW N |
| NW_019167827.1:5400299-5400518 | Firmiana major chloroplast, complete genome | [BLASTED] | 20 | 220 | 1.13E-114 | 99.25 | YSMS - DOW N |
| NW_019167827.1:11290724-11290936 | Gossypium schwendimanii chloroplast, complete genome | [BLASTED] | 20 | 213 | 9.42E-75 | 95.69 | YSMS - DOW N |
| NW_019168481.1:10231591-10231792 | Tilia dasystyla voucher MOR<USA-IL | [BLASTED] | 20 | 202 | 9.94E-60 | 96.17 | YSMS - DOW N |

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|----------------------------------|--|-----------|----|-----|-----------|-------|-----------------------|
| NW_019168381.1:11732613-11732812 | Bombax ceiba mitochondrion, complete genome | [BLASTED] | 20 | 200 | 2.09E-101 | 99.49 | YSMS - DOW N |
| NW_019167926.1:15758742-15758937 | Bombax ceiba mitochondrion, complete genome | [BLASTED] | 20 | 196 | 4.20E-99 | 99.82 | YSMS - DOW N |
| NW_019167971.1:9061687-9061869 | Bombax ceiba mitochondrion, complete genome | [BLASTED] | 20 | 183 | 2.66E-78 | 96.82 | YSMS - DOW N |
| NW_019168159.1:26533369-26533550 | Bombax ceiba mitochondrion, complete genome | [BLASTED] | 20 | 182 | 9.00E-93 | 99.45 | YSMS - DOW N |
| NW_019168470.1:14828853-14829033 | Heritiera parvifolia chloroplast, complete genome | [BLASTED] | 20 | 181 | 3.68E-33 | 98.78 | YSMS - DOW N |
| NW_019167860.1:11755374-11755544 | Gossypium schwendimanii chloroplast, complete genome | [BLASTED] | 20 | 171 | 1.52E-83 | 99.41 | YSMS - DOW N |
| NW_019167882.1:2558776-2558946 | Theobroma cacao chloroplast, complete genome | [BLASTED] | 20 | 171 | 4.51E-80 | 98.16 | YSMS - DOW N |
| NW_019168270.1:4201477-4201646 | Bombax ceiba mitochondrion, complete genome | [BLASTED] | 20 | 170 | 2.14E-60 | 93.91 | YSMS - DOW N |

| SeqName | Description | Tags | #Hits | Length | e-Value | sim mean | source |
|---------|-------------|------|-------|--------|---------|----------|--------|
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|----------------------------------|--|-----------|----|------|-----------|-------|---------|
| NW_019168372.1:18750-22075 | Bombax ceiba mitochondrion, complete genome | [BLASTED] | 20 | 3326 | 0 | 98.65 | YSRS-UP |
| NW_019168372.1:18934-22075 | Gossypium raimondii mitochondrion, complete genome | [BLASTED] | 20 | 2292 | 0 | 99.24 | YSRS-UP |
| NW_019168381.1:21496987-21498987 | Nepenthes ventricosa x Nepenthes alata isolate NEP-CB1 mitochondrion, complete genome | [BLASTED] | 20 | 2001 | 1.35E-164 | 88.39 | YSRS-UP |
| NW_019168270.1:18863750-18865709 | Gossypium raimondii protein FAM133 (LOC105766078), transcript variant X2, mRNA | [BLASTED] | 20 | 1960 | 2.13E-148 | 81.07 | YSRS-UP |
| NW_019167949.1:11994234-11995878 | Bombax ceiba mitochondrion, complete genome | [BLASTED] | 20 | 1645 | 0 | 96.73 | YSRS-UP |
| NW_019167949.1:11984055-11985399 | Bombax ceiba mitochondrion, complete genome | [BLASTED] | 20 | 1345 | 0 | 97.5 | YSRS-UP |
| NW_019167838.1:23604744-23605673 | AF362731Podophyllum peltatum succinate dehydrogenase subunit 3 (sdh3) mRNA cds; mitochondrial gene for mitochondrial product | [BLASTED] | 1 | 930 | 4.93E-04 | 100 | YSRS-UP |
| NW_019167949.1:12346787-12347589 | Bombax ceiba mitochondrion, complete genome | [BLASTED] | 20 | 803 | 0 | 99.28 | YSRS-UP |
| NW_019168381.1:19067751-19068661 | Theobroma cacao uncharacterized LOC18605856 (LOC18605856), mRNA | [BLASTED] | 2 | 788 | 1.15E-81 | 85.89 | YSRS-UP |
| NW_019167893.1:20664963-20665735 | Theobroma cacao genome assembly, chromosome: IV | [BLASTED] | 1 | 773 | 3.26E-34 | 80.66 | YSRS-UP |
| NW_019167937.1:22122199-22122953 | Hibiscus syriacus chloroplast, complete genome | [BLASTED] | 20 | 755 | 0 | 99.23 | YSRS-UP |
| NW_019167893.1:10938250-10938934 | Theobroma cacao genome assembly, chromosome: I | [BLASTED] | 6 | 685 | 3.62E-15 | 99.14 | YSRS-UP |
| NW_019167926.1:3324819-3325495 | Bombax ceiba mitochondrion, complete genome | [BLASTED] | 20 | 677 | 0 | 97.86 | YSRS-UP |
| NW_019167882.1:14689837-14690506 | Herrania umbratica uncharacterized LOC110411337 (LOC110411337), mRNA | [BLASTED] | 3 | 670 | 4.06E-44 | 91.26 | YSRS-UP |

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|-----------------------------------|--|-----------|----|-----|-----------|-------|---------|
| NW_019168037.1:2689102-2689625 | Herrania umbratica uncharacterized LOC110424571 (LOC110424571), mRNA | [BLASTED] | 6 | 524 | 2.55E-96 | 94.46 | YSRS-UP |
| NW_019167949.1:8721322-8721813 | Bombax ceiba mitochondrion, complete genome | [BLASTED] | 20 | 492 | 0 | 96.24 | YSRS-UP |
| NW_019167949.1:11985825-11986305 | Gossypium raimondii mitochondrion, complete genome | [BLASTED] | 20 | 481 | 0 | 98.3 | YSRS-UP |
| NW_019167827.1:993615-995512 | Theobroma cacao genome assembly, chromosome: III | [BLASTED] | 5 | 476 | 4.16E-76 | 80.42 | YSRS-UP |
| NW_019167937.1:30831011-30831479_ | Androsace laxa chloroplast, complete genome | [BLASTED] | 20 | 469 | 0 | 95.77 | YSRS-UP |
| NW_019167827.1:993615-995883 | Theobroma cacao uncharacterized LOC18606083 (LOC18606083), ncRNA | [BLASTED] | 5 | 459 | 4.54E-83 | 80.57 | YSRS-UP |
| NW_019167893.1:13101482-13101936 | Theobroma cacao chloroplast, complete genome | [BLASTED] | 20 | 455 | 0 | 93.62 | YSRS-UP |
| NW_019167937.1:29587032-29587445 | Theobroma cacao genome assembly, chromosome: VIII | [BLASTED] | 3 | 414 | 7.41E-74 | 88.66 | YSRS-UP |
| NW_019168481.1:22775369-22775772 | Theobroma cacao genome assembly, chromosome: V | [BLASTED] | 13 | 404 | 3.89E-50 | 89.72 | YSRS-UP |
| NW_019168470.1:15052162-15052561 | Citrus sinensis mitochondrion, complete genome | [BLASTED] | 8 | 400 | 4.31E-35 | 92.1 | YSRS-UP |
| NW_019168481.1:22613037-22613421 | Bombax ceiba mitochondrion, complete genome | [BLASTED] | 20 | 385 | 0 | 95.97 | YSRS-UP |
| NW_019167827.1:11091333-11091714 | Hevea brasiliensis mitochondrial DNA, complete genome | [BLASTED] | 1 | 382 | 1.53E-12 | 96 | YSRS-UP |
| NW_019167960.1:5309883-5310236 | Bombax ceiba mitochondrion, complete genome | [BLASTED] | 20 | 354 | 8.54E-176 | 95.45 | YSRS-UP |
| NW_019168159.1:12125466-12125804 | Corchorus capsularis mitochondrion, complete genome | [BLASTED] | 10 | 339 | 1.88E-147 | 90.46 | YSRS-UP |
| NW_019168048.1:9666215-9666552 | Heritiera parvifolia chloroplast, complete genome | [BLASTED] | 20 | 338 | 4.42E-174 | 95.75 | YSRS-UP |
| NW_019167949.1:12345904-12346219 | Bombax ceiba mitochondrion, complete genome | [BLASTED] | 20 | 316 | 7.49E-165 | 98.05 | YSRS-UP |

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|----------------------------------|---|-----------|----|-----|-----------|-------|---------|
| NW_019167993.1:41266-41573 | Bombax ceiba mitochondrion, complete genome | [BLASTED] | 20 | 308 | 9.04E-124 | 94.92 | YSRS-UP |
| NW_019168270.1:12417868-12418174 | Bombax ceiba mitochondrion, complete genome | [BLASTED] | 20 | 307 | 2.74E-153 | 99.97 | YSRS-UP |
| NW_019168381.1:24672573-24672868 | Morus notabilis mitochondrion, complete genome | [BLASTED] | 20 | 296 | 6.04E-125 | 93.28 | YSRS-UP |
| NW_019168381.1:22610531-22610821 | TPA: Populus tremula SRP RNA for signal recognition particle RNA | [BLASTED] | 9 | 291 | 2.38E-21 | 88.9 | YSRS-UP |
| NW_019167960.1:12598067-12598355 | Gossypium raimondii mitochondrion, complete genome | [BLASTED] | 20 | 289 | 5.25E-140 | 98.05 | YSRS-UP |
| NW_019167860.1:13073056-13073342 | Bombax ceiba chloroplast, complete genome | [BLASTED] | 20 | 287 | 3.06E-68 | 97.03 | YSRS-UP |
| NW_019167904.1:10667541-10667818 | Gossypium raimondii mitochondrion, complete genome | [BLASTED] | 20 | 278 | 1.91E-139 | 98.27 | YSRS-UP |
| NW_019167827.1:20379868-20380144 | Vigna angularis var. angularis DNA, chromosome 4, almost complete sequence, cultivar: Shumari | [BLASTED] | 16 | 277 | 1.99E-25 | 82.76 | YSRS-UP |
| NW_019167827.1:20292319-20292582 | Phaseolus vulgaris clone PV_GBb010-E06, complete sequence | [BLASTED] | 10 | 264 | 1.67E-18 | 87.53 | YSRS-UP |
| NW_019167849.1:10542554-10542794 | Xylocarpus moluccensis chloroplast, complete genome | [BLASTED] | 20 | 241 | 2.61E-123 | 100 | YSRS-UP |
| NW_019168492.1:15303779-15304018 | Citrus sinensis mitochondrion, complete genome | [BLASTED] | 20 | 240 | 2.04E-120 | 99.57 | YSRS-UP |
| NW_019168049.1:4870730-4870964 | Bombax ceiba mitochondrion, complete genome | [BLASTED] | 20 | 235 | 1.39E-121 | 98.76 | YSRS-UP |
| NW_019167926.1:12668483-12668716 | Bombax ceiba mitochondrion, complete genome | [BLASTED] | 20 | 234 | 1.06E-96 | 89.87 | YSRS-UP |
| NW_019167827.1:20333875-20334103 | Vigna angularis var. angularis DNA, chromosome 4, almost complete sequence, cultivar: Shumari | [BLASTED] | 16 | 229 | 1.61E-25 | 83.02 | YSRS-UP |
| NW_019168270.1:16945465-16945683 | Bombax ceiba mitochondrion, complete genome | [BLASTED] | 20 | 219 | 4.79E-99 | 97.56 | YSRS-UP |
| NW_019168470.1:12652055-12652273 | Heritiera parvifolia chloroplast, complete genome | [BLASTED] | 20 | 219 | 2.56E-64 | 96.39 | YSRS-UP |

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|----------------------------------|---|-----------|----|-----|-----------|-------|---------|
| NW_019167893.1:3954829-3955046 | <i>Gossypium schwendimanii</i> chloroplast, complete genome | [BLASTED] | 20 | 218 | 4.78E-110 | 99.53 | YSRS-UP |
| NW_019167860.1:19298467-19298678 | <i>Heritiera parvifolia</i> chloroplast, complete genome | [BLASTED] | 20 | 212 | 2.47E-75 | 88.79 | YSRS-UP |
| NW_019167827.1:7247586-7247796 | <i>Achlys triphylla</i> chloroplast, complete genome | [BLASTED] | 20 | 211 | 5.19E-106 | 99.74 | YSRS-UP |
| NW_019168381.1:5967737-5967943 | <i>Bombax ceiba</i> mitochondrion, complete genome | [BLASTED] | 20 | 207 | 1.18E-99 | 95.95 | YSRS-UP |
| NW_019168381.1:11732613-11732812 | <i>Bombax ceiba</i> mitochondrion, complete genome | [BLASTED] | 20 | 200 | 2.09E-101 | 99.49 | YSRS-UP |
| NW_019167926.1:15758742-15758937 | <i>Bombax ceiba</i> mitochondrion, complete genome | [BLASTED] | 20 | 196 | 4.20E-99 | 99.82 | YSRS-UP |
| NW_019168159.1:26533369-26533550 | <i>Bombax ceiba</i> mitochondrion, complete genome | [BLASTED] | 20 | 182 | 9.00E-93 | 99.45 | YSRS-UP |
| NW_019168481.1:24217966-24218141 | <i>Senna occidentalis</i> mitochondrion, complete genome | [BLASTED] | 20 | 176 | 1.40E-87 | 99.43 | YSRS-UP |
| NW_019168270.1:4201477-4201646 | <i>Bombax ceiba</i> mitochondrion, complete genome | [BLASTED] | 20 | 170 | 2.14E-60 | 93.91 | YSRS-UP |
| NW_019167860.1:3487682-3487846 | <i>Bombax ceiba</i> mitochondrion, complete genome | [BLASTED] | 20 | 165 | 4.32E-80 | 98.55 | YSRS-UP |
| NW_019167904.1:19430032-19430196 | TPA: <i>Populus tremula</i> SRP RNA for signal recognition particle RNA | [BLASTED] | 20 | 165 | 5.32E-28 | 87.51 | YSRS-UP |
| NW_019167926.1:12667817-12667978 | <i>Gossypium harknessii</i> mitochondrion, complete genome | [BLASTED] | 20 | 162 | 6.79E-64 | 93.6 | YSRS-UP |
| NW_019167882.1:4300671-4300828 | <i>Gossypium raimondii</i> mitochondrion, complete genome | [BLASTED] | 20 | 158 | 9.53E-74 | 97.94 | YSRS-UP |
| NW_019168015.1:13366639-13366793 | <i>Bombax ceiba</i> mitochondrion, complete genome | [BLASTED] | 20 | 155 | 1.92E-71 | 96.85 | YSRS-UP |
| NW_019168048.1:24830595-24830747 | <i>Bombax ceiba</i> mitochondrion, complete genome | [BLASTED] | 20 | 153 | 5.00E-72 | 99.59 | YSRS-UP |
| NW_019167838.1:14160819-14160970 | <i>Gossypium hirsutum</i> mitochondrion, complete genome | [BLASTED] | 20 | 152 | 9.10E-74 | 99.21 | YSRS-UP |
| NW_019167926.1:6409482-6409631 | <i>Gossypium raimondii</i> mitochondrion, complete genome | [BLASTED] | 20 | 150 | 2.66E-70 | 99.3 | YSRS-UP |

| SeqName | Description | Tags | #Hits | Length | e-Value | sim mean | source |
|----------------------------------|---|-----------|-------|--------|-----------|----------|-----------|
| NW_019168481.1:7618863-7621657 | Firmiana major chloroplast, complete genome | [BLASTED] | 20 | 2795 | 0 | 99.31 | YSRS-DOWN |
| NW_019167893.1:13844270-13845835 | Theobroma cacao genome assembly, chromosome: IV | [BLASTED] | 2 | 1566 | 3.82E-98 | 83.05 | YSRS-DOWN |
| NW_019168381.1:13332339-13333685 | Bombax ceiba chloroplast, complete genome | [BLASTED] | 20 | 1347 | 0 | 97.51 | YSRS-DOWN |
| NW_019168159.1:312044-313279 | Theobroma cacao genome assembly, chromosome: IX | [BLASTED] | 2 | 1236 | 2.40E-128 | 85.16 | YSRS-DOWN |
| NW_019168270.1:17919485-17920563 | Theobroma cacao genome assembly, chromosome: II | [BLASTED] | 3 | 1079 | 1.09E-60 | 84.34 | YSRS-DOWN |
| NW_019168037.1:2347276-2348321 | Theobroma cacao genome assembly, chromosome: VI | [BLASTED] | 7 | 1046 | 9.73E-120 | 84.85 | YSRS-DOWN |
| NW_019167937.1:30859575-30860561 | classical arabinogalactan protein 5 (LOC18592104), mRNA | [BLASTED] | 4 | 987 | 2.09E-80 | 87.3 | YSRS-DOWN |
| NW_019168381.1:3118024-3119041 | Theobroma cacao genome assembly, chromosome: III | [BLASTED] | 1 | 815 | 9.14E-46 | 84.88 | YSRS-DOWN |
| NW_019167915.1:3730953-3731701 | Theobroma cacao genome assembly, chromosome: II | [BLASTED] | 1 | 749 | 4.59E-55 | 78.93 | YSRS-DOWN |
| NW_019167860.1:12057659-12058577 | Theobroma cacao genome assembly, chromosome: IV | [BLASTED] | 1 | 728 | 1.92E-61 | 85.2 | YSRS-DOWN |

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|----------------------------------|--|-----------|----|-----|-----------|-------|-----------|
| NW_019167860.1:10979126-10979828 | Theobroma cacao genome assembly, chromosome: IV | [BLASTED] | 1 | 703 | 7.84E-46 | 88.65 | YSRS-DOWN |
| NW_019168381.1:21499504-21500169 | Theobroma cacao genome assembly, chromosome: III | [BLASTED] | 1 | 666 | 7.57E-79 | 80.17 | YSRS-DOWN |
| NW_019167982.1:6567409-6568064 | Theobroma cacao uncharacterized LOC18596421 (LOC18596421), transcript variant X2, ncRNA | [BLASTED] | 20 | 656 | 1.37E-80 | 88.93 | YSRS-DOWN |
| NW_019167982.1:8932534-8933709 | Theobroma cacao uncharacterized LOC18596762 (LOC18596762), mRNA | [BLASTED] | 15 | 606 | 1.47E-131 | 80.27 | YSRS-DOWN |
| NW_019168481.1:21935807-21936379 | Theobroma cacao genome assembly, chromosome: V | [BLASTED] | 1 | 573 | 1.05E-84 | 86.81 | YSRS-DOWN |
| NW_019168159.1:18219240-18219809 | Heritiera parvifolia chloroplast, complete genome | [BLASTED] | 20 | 570 | 0 | 94.92 | YSRS-DOWN |
| NW_019168470.1:14248950-14249489 | Heritiera parvifolia chloroplast, complete genome | [BLASTED] | 20 | 540 | 0 | 96.5 | YSRS-DOWN |
| NW_019168037.1:2185570-2189891 | Gossypium arboreum protein LIGHT-DEPENDENT SHORT HYPOCOTYLS 10-like (LOC108452428), mRNA | [BLASTED] | 18 | 472 | 5.19E-57 | 91.57 | YSRS-DOWN |
| NW_019167827.1:17152989-17153306 | Heritiera parvifolia chloroplast, complete genome | [BLASTED] | 20 | 318 | 3.65E-167 | 98.2 | YSRS-DOWN |
| NW_019168470.1:1881524-1881807 | Hibiscus syriacus chloroplast, complete genome | [BLASTED] | 20 | 284 | 4.06E-148 | 97.96 | YSRS-DOWN |
| NW_019167827.1:5400299-5400518 | Firmiana major chloroplast, complete genome | [BLASTED] | 20 | 220 | 1.13E-114 | 99.25 | YSRS-DOWN |