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| **Supplementary material 1.** A catalogue of *OmybHLH* proteins in rainbow trout. | | | | | | | | | |
| **Protein Name** | **NCBI Name** | **Physical Position in Rainbow Trout Genome** | | | **Protein Length (aa)** | **pI** | **Molecular Weight**  **(Da)** | **Instability**  **İndex** | **Stable**  **Or Unstable** |
| **Chrm** | **Starting**  **Position**  **(bp)** | **End**  **Position**  **(bp)** |
| OmybHLH-01 | XP\_021474448.1 | 1 | 8,042,006 | 8,044,510 | 267 | 9,54 | 28898,03 | 52,57 | Unstable |
| OmybHLH-02 | XP\_021412095.1 | 1 | 9,749,115 | 9,754,854 | 356 | 6.24 | 39340.01 | 52.20 | Unstable |
| OmybHLH-03 | XP\_021471388.1 | 1 | 19,339,744 | 19,340,654 | 252 | 5,98 | 28381,97 | 71,27 | Unstable |
| OmybHLH-04 | XP\_021456198.1 | 1 | 33,317,170 | 33,319,340 | 203 | 7,66 | 22727,44 | 71,95 | Unstable |
| OmybHLH-05 | XP\_021456816.1 | 1 | 37,276,550 | 37,281,431 | 429 | 5,35 | 47697,92 | 43,42 | Unstable |
| OmybHLH-06 | XP\_021458242.1 | 1 | 41,767,514 | 41,801,252 | 619 | 6,41 | 68304,34 | 48,38 | Unstable |
| OmybHLH-07 | XP\_021458252.1 | 1 | 41,767,514 | 41,801,252 | 619 | 6,41 | 68304,34 | 48,38 | Unstable |
| OmybHLH-08 | XP\_021458261.1 | 1 | 41,767,514 | 41,801,252 | 619 | 6,41 | 68304,34 | 48,38 | Unstable |
| OmybHLH-09 | XP\_021458270.1 | 1 | 41,767,514 | 41,801,252 | 619 | 6,41 | 68304,34 | 48,38 | Unstable |
| OmybHLH-10 | XP\_021455009.1 | 1 | 57,717,699 | 57,719,531 | 149 | 9,14 | 17128,12 | 77,19 | Unstable |
| OmybHLH-11 | XP\_021466996.1 | 1 | 70,152,347 | 70,167,126 | 268 | 5,75 | 30615,79 | 57,2 | Unstable |
| OmybHLH-12 | NP\_001118182.1 | 2 | 3,907,992 | 3,923,190 | 723 | 5.71 | 79047.38 | 56.80 | Unstable |
| OmybHLH-13 | XP\_021475131.1 | 2 | 10,490,464 | 10,525,660 | 727 | 6,70 | 80200,97 | 49,62 | Unstable |
| OmybHLH-14 | XP\_021416676.1 | 2 | 20,597,054 | 20,618,168 | 308 | 5,05 | 33877.40 | 51.10 | Unstable |
| OmybHLH-15 | XP\_021416684.1 | 2 | 20,597,054 | 20,618,168 | 307 | 5,05 | 33820.35 | 51.86 | Unstable |
| OmybHLH-16 | XP\_021416689.1 | 2 | 20,597,054 | 20,618,168 | 304 | 4,98 | 33466.97 | 51.00 | Unstable |
| OmybHLH-17 | XP\_021416698.1 | 2 | 20,597,054 | 20,618,168 | 303 | 4,98 | 33409,92 | 51.77 | Unstable |
| OmybHLH-18 | XP\_021423067.1 | 2 | 45,734,705 | 45,737,052 | 272 | 5,68 | 30359,62 | 68,11 | Unstable |
| OmybHLH-19 | XP\_021435296.1 | 2 | 49,086,145 | 49,087,539 | 254 | 8,51 | 28633,38 | 76,5 | Unstable |
| OmybHLH-20 | XP\_021435308.1 | 2 | 49,101,515 | 49,102,842 | 267 | 6,25 | 29525,71 | 70,88 | Unstable |

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| OmybHLH-21 | XP\_021428736.1 | 2 | 62,889,966 | 62,893,092 | 203 | 7,69 | 22809,56 | 67,74 | Unstable |
| OmybHLH-22 | XP\_021429630.1 | 2 | 66,720,114 | 66,725,165 | 433 | 5,20 | 48261,73 | 46,74 | Unstable |
| OmybHLH-23 | XP\_021429821.1 | 2 | 67,153,604 | 67,153,604 | 644 | 5,64 | 71087,26 | 48,22 | Unstable |
| OmybHLH-24 | XP\_021429831.1 | 2 | 67,153,604 | 67,194,791 | 607 | 5,71 | 67335,21 | 47,65 | Unstable |
| OmybHLH-25 | XP\_021431009.1 | 2 | 71,175,702 | 71,203,204 | 712 | 7,16 | 78634,14 | 49,03 | Unstable |
| OmybHLH-26 | XP\_021431011.1 | 2 | 71,175,702 | 71,203,204 | 712 | 7,16 | 78634,14 | 49,03 | Unstable |
| OmybHLH-27 | XP\_021431012.1 | 2 | 71,175,702 | 71,203,204 | 700 | 7,47 | 77241,64 | 49,55 | Unstable |
| OmybHLH-28 | XP\_021431014.1 | 2 | 71,175,702 | 71,203,204 | 636 | 6,01 | 70306,42 | 48,41 | Unstable |
| OmybHLH-29 | XP\_021431019.1 | 2 | 71,175,702 | 71,203,204 | 636 | 6,01 | 70306,42 | 48,41 | Unstable |
| OmybHLH-30 | XP\_021431025.1 | 2 | 71,175,702 | 71,203,204 | 636 | 6,01 | 70306,42 | 48,41 | Unstable |
| OmybHLH-31 | XP\_021431028.1 | 2 | 71,175,702 | 71,175,702 | 624 | 6,10 | 68913,91 | 48,98 | Unstable |
| OmybHLH-32 | XP\_021436392.1 | 2 | 82,673,527 | 82,705,657 | 448 | 6,62 | 49364,84 | 53,18 | Unstable |
| OmybHLH-33 | XP\_021440563.1 | 3 | 196,551 | 200,661 | 321 | 9,09 | 34822,98 | 73,16 | Unstable |
| OmybHLH-34 | XP\_021453775.1 | 3 | 204,804 | 210,494 | 168 | 9,15 | 19363,83 | 78,97 | Unstable |
| OmybHLH-35 | XP\_021441976.1 | 3 | 4,383,253 | 4,423,153 | 950 | 6,20 | 104990,17 | 53,13 | Unstable |
| OmybHLH-36 | NP\_001118149.1 | 3 | 4,649,498 | 4,651,289 | 163 | 9.33 | 18222.31 | 62.74 | Unstable |
| OmybHLH-37 | XP\_021437320.1 | 3 | 4,649,498 | 4,651,289 | 167 | 8,90 | 18698,81 | 67,22 | Unstable |
| OmybHLH-38 | XP\_021441992.1 | 3 | 4,740,952 | 4,742,677 | 172 | 5,94 | 19054,03 | 66,34 | Unstable |
| OmybHLH-39 | XP\_021442000.1 | 3 | 4,740,952 | 4,742,677 | 167 | 8,90 | 18698,81 | 67,22 | Unstable |
| OmybHLH-40 | XP\_021442374.1 | 3 | 5,609,292 | 5,622,876 | 207 | 10,03 | 22683,64 | 58,28 | Unstable |
| OmybHLH-41 | XP\_021448315.1 | 3 | 21,455,483 | 21,482,550 | 788 | 7,46 | 87152,9 | 53,63 | Unstable |
| OmybHLH-42 | XP\_021448318.1 | 3 | 21,455,483 | 21,482,550 | 781 | 7,45 | 86418,04 | 53 | Unstable |
| OmybHLH-43 | XP\_021450797.1 | 3 | 30,623,313 | 30,651,771 | 321 | 4,89 | 35419,01 | 50,46 | Unstable |
| OmybHLH-44 | XP\_021450803.1 | 3 | 30,623,313 | 30,651,771 | 320 | 4,89 | 35361,96 | 51,19 | Unstable |

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| OmybHLH-45 | XP\_021450810.1 | 3 | 30,623,313 | 30,651,771 | 317 | 4,84 | 35008,58 | 50,36 | Unstable |
| OmybHLH-46 | XP\_021450814.1 | 3 | 30,623,313 | 30,651,771 | 316 | 4,84 | 34951,53 | 51,1 | Unstable |
| OmybHLH-47 | XP\_021450818.1 | 3 | 30,623,313 | 30,651,771 | 308 | 5,04 | 33849,34 | 50,2 | Unstable |
| OmybHLH-48 | XP\_021450821.1 | 3 | 30,623,313 | 30,651,771 | 304 | 4,98 | 33438,91 | 50,09 | Unstable |
| OmybHLH-49 | XP\_021452614.1 | 3 | 47,364,029 | 47,368,695 | 162 | 9,32 | 18561,82 | 78,36 | Unstable |
| OmybHLH-50 | XP\_021452616.1 | 3 | 47,432,677 | 47,436,515 | 205 | 5,35 | 23567,56 | 53,6 | Unstable |
| OmybHLH-51 | XP\_021452617.1 | 3 | 47,432,677 | 47,436,515 | 205 | 5,35 | 23567,56 | 53,6 | Unstable |
| OmybHLH-52 | XP\_021452976.1 | 3 | 54,825,873 | 54,828,534 | 79 | 11,02 | 9051,53 | 58,54 | Unstable |
| OmybHLH-53 | XP\_021453224.1 | 3 | 64,776,635 | 64,782,038 | 354 | 5,39 | 39866,39 | 63,94 | Unstable |
| OmybHLH-54 | XP\_021453435.1 | 3 | 70,149,477 | 70,153,115 | 119 | 9,64 | 13458,72 | 76,54 | Unstable |
| OmybHLH-55 | XP\_021453744.1 | 3 | 82,145,351 | 82,147,147 | 255 | 9,99 | 27422,79 | 62,9 | Unstable |
| OmybHLH-56 | XP\_021453745.1 | 3 | 82,167,099 | 82,169,711 | 266 | 8,92 | 28738,95 | 54 | Unstable |
| OmybHLH-57 | XP\_021456860.1 | 4 | 3,592,557 | 3,608,959 | 373 | 6,23 | 41308,27 | 55,47 | Unstable |
| OmybHLH-58 | NP\_001118200.1 | 4 | 10,520,245 | 10,522,777 | 275 | 5.36 | 30507.49 | 74.74 | Unstable |
| OmybHLH-59 | XP\_021454648.1 | 4 | 14,092,259 | 14,128,545 | 682 | 6,01 | 72399,29 | 58,67 | Unstable |
| OmybHLH-60 | XP\_021454649.1 | 4 | 14,092,259 | 14,128,545 | 681 | 6,01 | 72271,15 | 58,26 | Unstable |
| OmybHLH-61 | XP\_021454650.1 | 4 | 14,092,259 | 14,128,545 | 675 | 5,92 | 71544,32 | 58,52 | Unstable |
| OmybHLH-62 | XP\_021454651.1 | 4 | 14,092,259 | 14,128,545 | 672 | 5,90 | 71253,92 | 57,11 | Unstable |
| OmybHLH-63 | XP\_021454652.1 | 4 | 14,092,259 | 14,128,545 | 665 | 5,82 | 70398,95 | 56,94 | Unstable |
| OmybHLH-64 | XP\_021454653.1 | 4 | 14,092,259 | 14,092,259 | 661 | 6,11 | 70218,84 | 59,72 | Unstable |
| OmybHLH-65 | XP\_021454654.1 | 4 | 14,092,259 | 14,128,545 | 655 | 6,17 | 69366,94 | 59,64 | Unstable |
| OmybHLH-66 | XP\_021454655.1 | 4 | 14,092,259 | 14,128,545 | 654 | 6,03 | 69363,88 | 59,58 | Unstable |
| OmybHLH-67 | XP\_021455092.1 | 4 | 25,513,172 | 25,588,154 | 932 | 7,39 | 105160,41 | 73,97 | Unstable |
| OmybHLH-68 | XP\_021455093.1 | 4 | 25,513,172 | 25,588,154 | 932 | 7,39 | 105160,41 | 73,97 | Unstable |
| OmybHLH-69 | XP\_021455720.1 | 4 | 50,140,138 | 50,166,834 | 793 | 6,57 | 87300,84 | 47,52 | Unstable |

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| OmybHLH-70 | XP\_021455721.1 | 4 | 50,140,138 | 50,166,834 | 786 | 6,56 | 86565,99 | 46,84 | Unstable |
| OmybHLH-71 | XP\_021456023.1 | 4 | 58,765,117 | 58,767,884 | 333 | 8,55 | 35724,13 | 52,58 | Unstable |
| OmybHLH-72 | XP\_021456217.1 | 4 | 63,123,612 | 63,127,031 | 128 | 6,97 | 13979,89 | 44,67 | Unstable |
| OmybHLH-73 | XP\_021454101.1 | 4 | 68,680,259 | 68,681,902 | 159 | 6,21 | 18070,42 | 64,46 | Unstable |
| OmybHLH-74 | XP\_021456719.1 | 4 | 79,941,790 | 79,959,522 | 194 | 6,17 | 21440,42 | 66,29 | Unstable |
| OmybHLH-75 | XP\_021456720.1 | 4 | 79,941,790 | 79,959,522 | 190 | 6,16 | 20998,93 | 67,92 | Unstable |
| OmybHLH-76 | XP\_021456721.1 | 4 | 79,941,790 | 79,959,522 | 185 | 6,31 | 20342,28 | 63,43 | Unstable |
| OmybHLH-77 | XP\_021456722.1 | 4 | 79,941,790 | 79,959,522 | 181 | 6,31 | 19900,79 | 65,08 | Unstable |
| OmybHLH-78 | XP\_021456723.1 | 4 | 79,941,790 | 79,959,522 | 170 | 6,17 | 19187,9 | 74,24 | Unstable |
| OmybHLH-79 | XP\_021456724.1 | 4 | 79,941,790 | 79,959,522 | 166 | 6,16 | 18746,42 | 77,07 | Unstable |
| OmybHLH-80 | XP\_021456725.1 | 4 | 79,941,790 | 79,959,522 | 161 | 6,31 | 18089,76 | 71,4 | Unstable |
| OmybHLH-81 | XP\_021456726.1 | 4 | 79,941,790 | 79,959,522 | 157 | 6,30 | 17648,28 | 74,33 | Unstable |
| OmybHLH-82 | XP\_021457202.1 | 5 | 3,236,195 | 3,242,542 | 729 | 6,65 | 78598,32 | 57,23 | Unstable |
| OmybHLH-83 | XP\_021458602.1 | 5 | 38,398,702 | 38,440,823 | 102 | 9,72 | 11118,88 | 24,65 | Stable |
| OmybHLH-84 | XP\_021458997.1 | 5 | 50,156,984 | 50,159,427 | 278 | 9,44 | 30030,29 | 55,22 | Unstable |
| OmybHLH-85 | XP\_021459063.1 | 5 | 51,806,445 | 51,812,709 | 355 | 6,61 | 39203,07 | 47,67 | Unstable |
| OmybHLH-86 | XP\_021459473.1 | 5 | 59,701,299 | 59,759,687 | 687 | 6,00 | 72961,96 | 57,27 | Unstable |
| OmybHLH-87 | XP\_021459474.1 | 5 | 59,701,299 | 59,759,687 | 687 | 6,00 | 72961,96 | 57,27 | Unstable |
| OmybHLH-88 | XP\_021459475.1 | 5 | 59,701,299 | 59,759,687 | 687 | 6,00 | 72961,96 | 57,27 | Unstable |
| OmybHLH-89 | XP\_021459476.1 | 5 | 59,701,299 | 59,759,687 | 686 | 6,00 | 72833,83 | 56,86 | Unstable |
| OmybHLH-90 | XP\_021459477.1 | 5 | 59,701,299 | 59,759,687 | 682 | 6,00 | 72386,34 | 57,26 | Unstable |
| OmybHLH-91 | XP\_021459478.1 | 5 | 59,701,299 | 59,759,687 | 680 | 5,95 | 72146,03 | 57,3 | Unstable |
| OmybHLH-92 | XP\_021459479.1 | 5 | 59,701,299 | 59,759,687 | 677 | 5,90 | 71816,59 | 55,7 | Unstable |
| OmybHLH-93 | XP\_021459480.1 | 5 | 59,701,299 | 59,759,687 | 675 | 5,95 | 71570,41 | 57,29 | Unstable |
| OmybHLH-94 | XP\_021459481.1 | 5 | 59,701,299 | 59,759,687 | 670 | 5,85 | 71000,66 | 55,71 | Unstable |

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| OmybHLH-95 | XP\_021459482.1 | 5 | 59,701,299 | 59,759,687 | 666 | 6,11 | 70781,51 | 58,64 | Unstable |
| OmybHLH-96 | XP\_021459484.1 | 5 | 59,701,299 | 59,759,687 | 665 | 5,85 | 70425,04 | 55,69 | Unstable |
| OmybHLH-97 | XP\_021459485.1 | 5 | 59,701,299 | 59,759,687 | 660 | 6,17 | 69868,57 | 58,4 | Unstable |
| OmybHLH-98 | XP\_021459486.1 | 5 | 59,701,299 | 59,759,687 | 665 | 6,11 | 70653,38 | 58,22 | Unstable |
| OmybHLH-99 | XP\_021459487.1 | 5 | 70,794,410 | 70,854,338 | 654 | 6,06 | 69389,96 | 58,69 | Unstable |
| OmybHLH-100 | XP\_021460014.1 | 5 | 70,794,410 | 70,854,338 | 906 | 6,41 | 101888,87 | 68,86 | Unstable |
| OmybHLH-101 | XP\_021460015.1 | 5 | 70,794,410 | 70,854,338 | 906 | 6,41 | 101888,87 | 68,86 | Unstable |
| OmybHLH-102 | XP\_021460016.1 | 5 | 70,794,410 | 70,854,338 | 902 | 6,41 | 101433,3 | 68,99 | Unstable |
| OmybHLH-103 | XP\_021460017.1 | 5 | 70,794,410 | 70,854,338 | 899 | 6,41 | 101141,01 | 68,89 | Unstable |
| OmybHLH-104 | XP\_021460018.1 | 5 | 70,794,410 | 70,854,338 | 896 | 6,41 | 100790,67 | 68,52 | Unstable |
| OmybHLH-105 | XP\_021460019.1 | 5 | 70,794,410 | 70,854,338 | 885 | 6,41 | 99587,24 | 68,68 | Unstable |
| OmybHLH-106 | XP\_021460021.1 | 5 | 70,794,410 | 70,854,338 | 889 | 6,41 | 100042,81 | 68,55 | Unstable |
| OmybHLH-107 | XP\_021460647.1 | 6 | 7,794,716 | 7,796,790 | 297 | 6,16 | 32693,15 | 74,87 | Unstable |
| OmybHLH-108 | XP\_021461194.1 | 6 | 17,259,502 | 17,261,759 | 112 | 9,73 | 12734,43 | 51,71 | Unstable |
| OmybHLH-109 | XP\_021461715.1 | 6 | 26,399,776 | 26,451,483 | 864 | 8,44 | 96611,23 | 66,96 | Unstable |
| OmybHLH-110 | XP\_021461716.1 | 6 | 26,399,776 | 26,451,483 | 862 | 8,44 | 96369,94 | 66,72 | Unstable |
| OmybHLH-111 | XP\_021461717.1 | 6 | 26,399,776 | 26,451,483 | 841 | 8,72 | 93950,31 | 67,55 | Unstable |
| OmybHLH-112 | XP\_021461719.1 | 6 | 26,399,776 | 26,451,483 | 839 | 8,72 | 93709,02 | 67,3 | Unstable |
| OmybHLH-113 | XP\_021462013.1 | 6 | 33,203,114 | 33,203,114 | 225 | 6,03 | 25849,72 | 58,29 | Unstable |
| OmybHLH-114 | XP\_021462966.1 | 6 | 61,347,335 | 61,366,562 | 625 | 5,97 | 69088,17 | 47,14 | Unstable |
| OmybHLH-115 | XP\_021463059.1 | 6 | 63,438,788 | 63,557,357 | 719 | 6,49 | 76685,54 | 57,34 | Unstable |
| OmybHLH-116 | XP\_021463554.1 | 6 | 76,274,883 | 76,340,598 | 433 | 8,53 | 48235,01 | 49,8 | Unstable |
| OmybHLH-117 | NP\_001118192.1 | 6 | 80,667,566 | 80,669,085 | 276 | 5,99 | 30707.12 | 70.39 | Unstable |
| OmybHLH-118 | XP\_021463691.1 | 6 | 80,785,783 | 80,797,145 | 276 | 5,99 | 30693,09 | 70,39 | Unstable |
| OmybHLH-119 | XP\_021463693.1 | 6 | 80,794,624 | 80,787,655 | 276 | 5,99 | 30693,09 | 70,39 | Unstable |

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| OmybHLH-120 | XP\_021464323.1 | 7 | 11,066,710 | 11,070,272 | 127 | 9,55 | 14514,8 | 63,19 | Unstable |
| OmybHLH-121 | XP\_021464546.1 | 7 | 16,634,531 | 16,719,563 | 1025 | 5,98 | 112752,58 | 53,69 | Unstable |
| OmybHLH-122 | XP\_021464547.1 | 7 | 16,634,531 | 16,719,563 | 1018 | 5,98 | 111925,63 | 53,91 | Unstable |
| OmybHLH-123 | XP\_021464559.1 | 7 | 17,098,960 | 17,100,783 | 177 | 8,52 | 19231,37 | 67,72 | Unstable |
| OmybHLH-124 | XP\_021463939.1 | 7 | 21,946,341 | 21,948,495 | 331 | 5,87 | 37441,73 | 54,03 | Unstable |
| OmybHLH-125 | XP\_021464737.1 | 7 | 24,774,348 | 24,779,364 | 381 | 5,29 | 43363,56 | 90,52 | Unstable |
| OmybHLH-126 | XP\_021465098.1 | 7 | 35,967,668 | 35,970,777 | 184 | 10,01 | 21497,71 | 81,44 | Unstable |
| OmybHLH-127 | XP\_021465099.1 | 7 | 35,971,884 | 35,973,942 | 183 | 9,90 | 21233,37 | 80,09 | Unstable |
| OmybHLH-128 | XP\_021465100.1 | 7 | 35,978,892 | 35,980,738 | 181 | 9,79 | 20907,03 | 78,38 | Unstable |
| OmybHLH-129 | XP\_021465101.1 | 7 | 35,982,100 | 35,984,250 | 184 | 9,96 | 21341,52 | 83,79 | Unstable |
| OmybHLH-130 | XP\_021465102.1 | 7 | 35,983,958 | 35,985,588 | 164 | 9,79 | 18949,65 | 87,79 | Unstable |
| OmybHLH-131 | XP\_021463947.1 | 7 | 35,991,990 | 35,993,599 | 184 | 9,96 | 21375,54 | 83,79 | Unstable |
| OmybHLH-132 | XP\_021465135.1 | 7 | 37,701,585 | 37,707,286 | 403 | 6,15 | 44650,17 | 63,4 | Unstable |
| OmybHLH-133 | XP\_021465145.1 | 7 | 38,181,107 | 38,185,918 | 409 | 6,53 | 45574,79 | 59,13 | Unstable |
| OmybHLH-134 | XP\_021465171.1 | 7 | 38,808,132 | 38,825,251 | 448 | 5,56 | 49229,79 | 68,96 | Unstable |
| OmybHLH-135 | XP\_021465172.1 | 7 | 38,808,132 | 38,825,251 | 448 | 5,56 | 49229,79 | 68,96 | Unstable |
| OmybHLH-136 | XP\_021465209.1 | 7 | 39,442,031 | 39,443,561 | 130 | 5,42 | 14544,88 | 41,9 | Unstable |
| OmybHLH-137 | XP\_021465462.1 | 7 | 46,527,714 | 46,529,383 | 166 | 9,48 | 18941,79 | 70,45 | Unstable |
| OmybHLH-138 | XP\_021466808.1 | 7 | 46,553,543 | 46,554,263 | 159 | 10,33 | 18233,85 | 91,56 | Unstable |
| OmybHLH-139 | XP\_021465463.1 | 7 | 46,555,525 | 46,556,461 | 154 | 9,63 | 17960,59 | 61,65 | Unstable |
| OmybHLH-140 | XP\_021466809.1 | 7 | 46,559,103 | 46,560,792 | 140 | 9,67 | 16361,92 | 63,92 | Unstable |
| OmybHLH-141 | XP\_021465465.1 | 7 | 46,560,416 | 46,561,888 | 154 | 9,63 | 17960,59 | 61,65 | Unstable |
| OmybHLH-142 | XP\_021463954.1 | 7 | 46,564,916 | 46,566,554 | 162 | 10,07 | 18440,19 | 55,96 | Unstable |
| OmybHLH-143 | XP\_021465479.1 | 7 | 47,755,486 | 47,887,040 | 492 | 6,06 | 55315,27 | 82,28 | Unstable |
| OmybHLH-144 | XP\_021465602.1 | 7 | 50,562,128 | 50,567,371 | 343 | 6,02 | 37388,85 | 72,15 | Unstable |

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| OmybHLH-145 | XP\_021465712.1 | 7 | 53,725,424 | 53,730,213 | 421 | 6,52 | 46566,55 | 67,3 | Unstable |
| OmybHLH-146 | XP\_021466091.1 | 7 | 62,277,515 | 62,282,865 | 219 | 9,02 | 24226,94 | 55,37 | Unstable |
| OmybHLH-147 | XP\_021466278.1 | 7 | 67,170,487 | 67,171,770 | 201 | 9,21 | 21905,85 | 57,13 | Unstable |
| OmybHLH-148 | XP\_021466306.1 | 7 | 68,103,966 | 68,105,944 | 187 | 9,24 | 20522,27 | 59,89 | Unstable |
| OmybHLH-149 | XP\_021467043.1 | 8 | 943,004 | 945,496 | 223 | 8,94 | 24333,23 | 48,06 | Unstable |
| OmybHLH-150 | XP\_021467099.1 | 8 | 4,747,485 | 4,771,882 | 275 | 9,55 | 30481,6 | 60,98 | Unstable |
| OmybHLH-151 | XP\_021467100.1 | 8 | 4,747,485 | 4,771,882 | 271 | 9,55 | 30040,11 | 62,04 | Unstable |
| OmybHLH-152 | XP\_021467101.1 | 8 | 4,747,485 | 4,771,882 | 251 | 9,55 | 28185,04 | 65,18 | Unstable |
| OmybHLH-153 | XP\_021467102.1 | 8 | 4,747,485 | 4,771,882 | 247 | 9,55 | 27743,55 | 66,94 | Unstable |
| OmybHLH-154 | XP\_021466991.1 | 8 | 8,757,032 | 8,777,817 | 754 | 6,83 | 82852,94 | 47,37 | Unstable |
| OmybHLH-155 | XP\_021467170.1 | 8 | 8,012,677 | 8,020,715 | 489 | 4,96 | 52512,64 | 73,04 | Unstable |
| OmybHLH-156 | XP\_021467171.1 | 8 | 8,012,677 | 8,020,715 | 488 | 4,99 | 52383,52 | 72,5 | Unstable |
| OmybHLH-157 | XP\_021467286.1 | 8 | 11,387,126 | 11,389,876 | 145 | 5,91 | 16090,08 | 73,34 | Unstable |
| OmybHLH-158 | XP\_021467517.1 | 8 | 16,987,201 | 17,006,398 | 335 | 8,62 | 35959,19 | 54,36 | Unstable |
| OmybHLH-159 | XP\_021467518.1 | 8 | 16,987,201 | 17,006,398 | 335 | 8,62 | 35959,19 | 54,36 | Unstable |
| OmybHLH-160 | XP\_021467740.1 | 8 | 21,415,391 | 21,418,231 | 187 | 9,95 | 20761,71 | 58,32 | Unstable |
| OmybHLH-161 | XP\_021468266.1 | 8 | 39,151,371 | 39,154,434 | 397 | 5,94 | 45233,67 | 79,23 | Unstable |
| OmybHLH-162 | XP\_021468267.1 | 8 | 39,151,371 | 39,154,434 | 396 | 6,05 | 45104,55 | 78,58 | Unstable |
| OmybHLH-163 | XP\_021468268.1 | 8 | 39,151,371 | 39,154,434 | 394 | 6,29 | 44846,32 | 77,27 | Unstable |
| OmybHLH-164 | XP\_021468540.1 | 8 | 47,630,128 | 47,642,794 | 267 | 9,80 | 28790,26 | 52,9 | Unstable |
| OmybHLH-165 | XP\_021468541.1 | 8 | 47,630,128 | 47,642,794 | 126 | 10,56 | 14057,31 | 63,38 | Unstable |
| OmybHLH-166 | XP\_021468681.1 | 8 | 50,529,276 | 50,536,506 | 361 | 8,27 | 39696,86 | 64,23 | Unstable |
| OmybHLH-167 | XP\_021468682.1 | 8 | 50,529,276 | 50,536,506 | 351 | 6,79 | 38494,44 | 62,92 | Unstable |
| OmybHLH-168 | XP\_021468796.1 | 8 | 53,119,676 | 53,121,728 | 236 | 4,62 | 26217,31 | 64,49 | Unstable |
| OmybHLH-169 | XP\_021468886.1 | 8 | 56,557,065 | 56,558,673 | 234 | 7,13 | 25489,62 | 64,04 | Unstable |

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| OmybHLH-170 | XP\_021466942.1 | 8 | 60,781,530 | 60,783,086 | 266 | 4,97 | 30591,92 | 68,03 | Unstable |
| OmybHLH-171 | XP\_021469051.1 | 8 | 61,571,618 | 61,599,113 | 662 | 8,73 | 74721,11 | 49,49 | Unstable |
| OmybHLH-172 | XP\_021469613.1 | 8 | 73,495,964 | 73,541,763 | 652 | 6,25 | 69017,82 | 58,16 | Unstable |
| OmybHLH-173 | XP\_021469810.1 | 8 | 81,302,910 | 81,305,838 | 264 | 5,52 | 29011,15 | 43,12 | Unstable |
| OmybHLH-174 | XP\_021469876.1 | 8 | 83,578,946 | 83,581,323 | 415 | 5,21 | 46567,03 | 54,59 | Unstable |
| OmybHLH-175 | XP\_021470347.1 | 9 | 6,104,713 | 6,110,299 | 292 | 9,78 | 31338,52 | 54,08 | Unstable |
| OmybHLH-176 | XP\_021470348.1 | 9 | 6,104,713 | 6,110,299 | 292 | 9,78 | 31338,52 | 54,08 | Unstable |
| OmybHLH-177 | XP\_021471402.1 | 9 | 6,104,713 | 6,110,299 | 284 | 8,39 | 31379,06 | 60,03 | Unstable |
| OmybHLH-178 | XP\_021471408.1 | 9 | 34,888,899 | 34,890,425 | 172 | 9,43 | 19691,36 | 51,19 | Unstable |
| OmybHLH-179 | XP\_021472819.1 | 9 | 34,898,999 | 34,900,662 | 160 | 9,59 | 18035,54 | 60,65 | Unstable |
| OmybHLH-180 | XP\_021470094.1 | 9 | 36,526,912 | 36,528,346 | 415 | 5,21 | 46567,03 | 54,59 | Unstable |
| OmybHLH-181 | XP\_021471634.1 | 9 | 40,174,987 | 40,177,222 | 290 | 9,59 | 30985,37 | 51,23 | Unstable |
| OmybHLH-182 | XP\_021471635.1 | 9 | 40,174,987 | 40,177,222 | 289 | 9,59 | 30914,29 | 51,37 | Unstable |
| OmybHLH-183 | XP\_021471712.1 | 9 | 41,988,295 | 41,989,794 | 126 | 5,38 | 13991,26 | 44,21 | Unstable |
| OmybHLH-184 | XP\_021471951.1 | 9 | 47,702,651 | 47,712,259 | 193 | 8,67 | 21199,01 | 65,33 | Unstable |
| OmybHLH-185 | XP\_021472025.1 | 9 | 49,679,296 | 49,714,272 | 527 | 6,35 | 58707,07 | 59,86 | Unstable |
| OmybHLH-186 | XP\_021472026.1 | 9 | 49,679,296 | 49,714,272 | 526 | 6,43 | 58577,96 | 59,95 | Unstable |
| OmybHLH-187 | XP\_021472194.1 | 9 | 52,202,372 | 52,204,697 | 181 | 9,79 | 19946,69 | 54,31 | Unstable |
| OmybHLH-188 | XP\_021472479.1 | 9 | 58,796,032 | 58,800,146 | 361 | 5,93 | 39242,09 | 69,57 | Unstable |
| OmybHLH-189 | XP\_021470173.1 | 9 | 66,711,532 | 66,738,570 | 448 | 9,06 | 49890,77 | 73,24 | Unstable |
| OmybHLH-190 | XP\_021473053.1 | 10 | 3,325,461 | 3,328,433 | 189 | 8,48 | 21745,34 | 52,6 | Unstable |
| OmybHLH-191 | XP\_021475505.1 | 10 | 29,079,191 | 29,081,185 | 304 | 7,66 | 33442,49 | 68,04 | Unstable |
| OmybHLH-192 | XP\_021474085.1 | 10 | 34,922,129 | 35,011,182 | 869 | 6,50 | 99091,98 | 66,18 | Unstable |
| OmybHLH-193 | XP\_021474086.1 | 10 | 34,922,129 | 35,011,182 | 869 | 6,50 | 99091,98 | 66,18 | Unstable |
| OmybHLH-194 | XP\_021474087.1 | 10 | 34,922,129 | 35,011,182 | 868 | 6,50 | 99020,9 | 66,24 | Unstable |

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| OmybHLH-195 | XP\_021474088.1 | 10 | 34,922,129 | 35,011,182 | 838 | 6,44 | 95723,15 | 66,47 | Unstable |
| OmybHLH-196 | XP\_021474089.1 | 10 | 34,922,129 | 35,011,182 | 737 | 6,51 | 83756,14 | 62,58 | Unstable |
| OmybHLH-197 | XP\_021474634.1 | 10 | 46,831,885 | 46,861,887 | 299 | 4,73 | 32658,07 | 52,69 | Unstable |
| OmybHLH-198 | XP\_021474635.1 | 10 | 46,831,885 | 46,861,887 | 299 | 4,73 | 32658,07 | 52,69 | Unstable |
| OmybHLH-199 | XP\_021474636.1 | 10 | 46,831,885 | 46,861,887 | 295 | 4,73 | 32256,65 | 52,22 | Unstable |
| OmybHLH-200 | XP\_021474637.1 | 10 | 46,831,885 | 46,861,887 | 289 | 4,77 | 31629,94 | 53,22 | Unstable |
| OmybHLH-201 | XP\_021474638.1 | 10 | 46,831,885 | 46,861,887 | 287 | 5,23 | 31209,68 | 46,67 | Unstable |
| OmybHLH-202 | XP\_021474639.1 | 10 | 46,831,885 | 46,861,887 | 285 | 4,77 | 31228,52 | 52,74 | Unstable |
| OmybHLH-203 | XP\_021474640.1 | 10 | 46,831,885 | 46,861,887 | 285 | 5,02 | 31247,61 | 53,19 | Unstable |
| OmybHLH-204 | XP\_021474642.1 | 10 | 46,831,885 | 46,831,885 | 283 | 5,23 | 30808,26 | 46,09 | Unstable |
| OmybHLH-205 | XP\_021474643.1 | 10 | 46,831,885 | 46,861,887 | 233 | 4,49 | 25263,66 | 51,68 | Unstable |
| OmybHLH-206 | XP\_021474644.1 | 10 | 46,831,885 | 46,861,887 | 229 | 4,49 | 24862,24 | 51,06 | Unstable |
| OmybHLH-207 | XP\_021474730.1 | 10 | 49,534,759 | 49,540,378 | 242 | 8,78 | 27570,28 | 62,27 | Unstable |
| OmybHLH-208 | XP\_021474731.1 | 10 | 49,534,759 | 49,540,378 | 237 | 9,32 | 27008,5 | 65,02 | Unstable |
| OmybHLH-209 | XP\_021475048.1 | 10 | 61,447,945 | 61,450,573 | 211 | 9,11 | 23372,32 | 53,56 | Unstable |
| OmybHLH-210 | XP\_021475921.1 | 11 | 12,161,144 | 12,164,877 | 181 | 9,71 | 19787,24 | 64,91 | Unstable |
| OmybHLH-211 | XP\_021475922.1 | 11 | 12,161,144 | 12,164,877 | 181 | 9,71 | 19787,24 | 64,91 | Unstable |
| OmybHLH-212 | XP\_021475944.1 | 11 | 12,568,270 | 12,570,929 | 275 | 8,72 | 29253,04 | 56,77 | Unstable |
| OmybHLH-213 | XP\_021475979.1 | 11 | 13,222,547 | 13,234,139 | 2314 | 9,74 | 246253,92 | 66,87 | Unstable |
| OmybHLH-214 | XP\_021475980.1 | 11 | 13,222,547 | 13,234,139 | 2314 | 9,74 | 246253,92 | 66,87 | Unstable |
| OmybHLH-215 | XP\_021476221.1 | 11 | 20,816,306 | 20,820,385 | 354 | 6,57 | 39607,37 | 65,73 | Unstable |
| OmybHLH-216 | XP\_021476222.1 | 11 | 20,816,306 | 20,820,385 | 354 | 6,57 | 39607,37 | 65,73 | Unstable |
| OmybHLH-217 | XP\_021476429.1 | 11 | 33,838,290 | 33,843,609 | 394 | 6,65 | 44834,15 | 69,05 | Unstable |
| OmybHLH-218 | XP\_021478039.1 | 11 | 37,899,506 | 37,900,980 | 300 | 5,63 | 32855,46 | 65,22 | Unstable |
| OmybHLH-219 | XP\_021476802.1 | 11 | 46,401,107 | 46,404,057 | 112 | 9,89 | 12720,41 | 56,87 | Unstable |

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| OmybHLH-220 | XP\_021476803.1 | 11 | 46,401,107 | 46,404,057 | 112 | 9,89 | 12720,41 | 56,87 | Unstable |
| OmybHLH-221 | XP\_021477246.1 | 11 | 55,463,839 | 55,514,380 | 839 | 7,68 | 92889,21 | 68,45 | Unstable |
| OmybHLH-222 | XP\_021477605.1 | 11 | 62,839,593 | 62,890,913 | 223 | 6,27 | 25513,42 | 60,84 | Unstable |
| OmybHLH-223 | XP\_021477606.1 | 11 | 62,839,593 | 62,890,913 | 223 | 6,27 | 25513,42 | 60,84 | Unstable |
| OmybHLH-224 | XP\_021477607.1 | 11 | 62,839,593 | 62,890,913 | 222 | 6,47 | 25384,3 | 59,6 | Unstable |
| OmybHLH-225 | XP\_021477608.1 | 11 | 62,839,593 | 62,890,913 | 222 | 6,47 | 25384,3 | 61,07 | Unstable |
| OmybHLH-226 | XP\_021478049.1 | 11 | 62,803,735 | 62,808,150 | 225 | 6,97 | 25066,85 | 38,37 | Stable |
| OmybHLH-227 | XP\_021478050.1 | 11 | 62,803,735 | 62,808,150 | 225 | 6,97 | 25066,85 | 38,37 | Unstable |
| OmybHLH-228 | XP\_021478240.1 | 12 | 4,047,991 | 4,055,034 | 144 | 7,89 | 16314,39 | 55,44 | Unstable |
| OmybHLH-229 | XP\_021478857.1 | 12 | 22,255,071 | 22,309,794 | 881 | 6,27 | 100741,18 | 65,49 | Unstable |
| OmybHLH-230 | XP\_021478858.1 | 12 | 22,255,071 | 22,309,794 | 852 | 6,25 | 97534,5 | 65,5 | Unstable |
| OmybHLH-231 | XP\_021481782.1 | 12 | 28,157,823 | 28,159,596 | 303 | 7,67 | 33062,88 | 65,58 | Unstable |
| OmybHLH-232 | XP\_021479926.1 | 12 | 53,580,070 | 53,626,096 | 968 | 8,68 | 106693,15 | 55,36 | Unstable |
| OmybHLH-233 | XP\_021479927.1 | 12 | 53,580,070 | 53,626,096 | 908 | 8,64 | 100584,32 | 56,1 | Unstable |
| OmybHLH-234 | XP\_021479949.1 | 12 | 54,721,286 | 54,723,936 | 188 | 8,69 | 21757,61 | 49,16 | Unstable |
| OmybHLH-235 | XP\_021480269.1 | 12 | 62,564,035 | 62,603,553 | 1173 | 8,47 | 126219,29 | 56,26 | Unstable |
| OmybHLH-236 | XP\_021480480.1 | 12 | 66,545,767 | 66,551,864 | 359 | 5,93 | 40147,21 | 67,91 | Unstable |
| OmybHLH-237 | XP\_021480557.1 | 12 | 67,988,509 | 67,999,196 | 246 | 6,25 | 28236,37 | 59,52 | Unstable |
| OmybHLH-238 | XP\_021480770.1 | 12 | 71,693,351 | 71,711,277 | 1163 | 8,48 | 127689,07 | 56,34 | Unstable |
| OmybHLH-239 | XP\_021480772.1 | 12 | 71,693,351 | 71,711,277 | 1161 | 8,48 | 127492,82 | 56,32 | Unstable |
| OmybHLH-240 | XP\_021480773.1 | 12 | 71,693,351 | 71,711,277 | 1161 | 8,48 | 127492,82 | 56,32 | Unstable |
| OmybHLH-241 | XP\_021412294.1 | 13 | 5,454,410 | 5,461,584 | 457 | 7,93 | 48876.56 | 70.53 | Unstable |
| OmybHLH-242 | XP\_021412323.1 | 13 | 6,256,297 | 6,273,960 | 331 | 5,89 | 37575.11 | 80.74 | Unstable |
| OmybHLH-243 | XP\_021411844.1 | 13 | 9,215,311 | 9,232,915 | 197 | 9,46 | 22988.79 | 56.30 | Unstable |
| OmybHLH-244 | XP\_021413359.1 | 13 | 33,660,584 | 33,666,676 | 358 | 6,19 | 39978.08 | 68.67 | Unstable |

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| OmybHLH-245 | XP\_021413360.1 | 13 | 33,660,584 | 33,666,676 | 358 | 6,19 | 39978.08 | 68.67 | Unstable |
| OmybHLH-246 | XP\_021413425.1 | 13 | 35,118,053 | 35,128,565 | 246 | 6,25 | 28190.30 | 59.62 | Unstable |
| OmybHLH-247 | XP\_021413726.1 | 13 | 39,870,914 | 39,889,753 | 1193 | 8,68 | 131047.10 | 56.59 | Unstable |
| OmybHLH-248 | XP\_021413727.1 | 13 | 39,870,914 | 39,889,753 | 1192 | 8,68 | 130976.02 | 56.79 | Unstable |
| OmybHLH-249 | XP\_021413728.1 | 13 | 39,870,914 | 39,889,753 | 1191 | 8,68 | 130850.85 | 56.57 | Unstable |
| OmybHLH-250 | XP\_021414581.1 | 13 | 57,326,077 | 57,326,468 | 99 | 10,00 | 11191.74 | 57.60 | Unstable |
| OmybHLH-251 | XP\_021414586.1 | 13 | 57,543,877 | 57,566,343 | 334 | 6,05 | 37425.10 | 72.22 | Unstable |
| OmybHLH-252 | XP\_021415434.1 | 14 | 3,400,670 | 3,418,055 | 483 | 5,92 | 53108.81 | 63.46 | Unstable |
| OmybHLH-253 | XP\_021415501.1 | 14 | 6,831,806 | 6,834,670 | 201 | 7,02 | 22716.11 | 67.94 | Unstable |
| OmybHLH-254 | XP\_021415523.1 | 14 | 7,937,776 | 7,942,107 | 350 | 9,70 | 37607.24 | 74.38 | Unstable |
| OmybHLH-255 | XP\_021415690.1 | 14 | 14,598,991 | 14,607,770 | 210 | 9,44 | 22786.41 | 52.85 | Unstable |
| OmybHLH-256 | XP\_021416358.1 | 14 | 38,749,605 | 38,751,191 | 122 | 9,06 | 14161.91 | 66.36 | Unstable |
| OmybHLH-257 | XP\_021416440.1 | 14 | 42,648,599 | 42,656,097 | 291 | 9,23 | 32765.83 | 59.97 | Unstable |
| OmybHLH-258 | XP\_021417504.1 | 14 | 75,245,387 | 75,247,526 | 222 | 6,15 | 24368.83 | 87,35 | Unstable |
| OmybHLH-259 | XP\_021417529.1 | 14 | 76,280,476 | 76,282,597 | 225 | 6,94 | 24770.25 | 89.08 | Unstable |
| OmybHLH-260 | XP\_021417558.1 | 14 | 79,851,386 | 79,853,747 | 287 | 6,31 | 30991,4 | 65,65 | Unstable |
| OmybHLH-261 | XP\_021419942.1 | 15 | 2,880,979 | 2,882,725 | 179 | 9,89 | 20172,6 | 50,84 | Unstable |
| OmybHLH-262 | XP\_021418103.1 | 15 | 12,042,601 | 12,056,005 | 2435 | 9,58 | 259871,6 | 68,32 | Unstable |
| OmybHLH-263 | XP\_021418104.1 | 15 | 12,042,601 | 12,056,005 | 2435 | 9,58 | 259871,6 | 68,32 | Unstable |
| OmybHLH-264 | XP\_021418106.1 | 15 | 12,042,601 | 12,056,005 | 2435 | 9,58 | 259871,6 | 68,32 | Unstable |
| OmybHLH-265 | XP\_021418107.1 | 15 | 12,042,601 | 12,056,005 | 2435 | 9,58 | 259871,6 | 68,32 | Unstable |
| OmybHLH-266 | XP\_021418108.1 | 15 | 12,042,601 | 12,056,005 | 2409 | 9,57 | 257117,6 | 68,18 | Unstable |
| OmybHLH-267 | XP\_021418125.1 | 15 | 12,176,922 | 12,179,703 | 275 | 8,50 | 29144,9 | 57,13 | Unstable |
| OmybHLH-268 | XP\_021418137.1 | 15 | 12,522,068 | 12,526,421 | 194 | 9,80 | 21115,8 | 65,3 | Unstable |
| OmybHLH-269 | XP\_021418138.1 | 15 | 12,522,068 | 12,526,421 | 183 | 9,68 | 19840,3 | 63,07 | Unstable |

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| OmybHLH-270 | XP\_021418412.1 | 15 | 19,565,047 | 19,639,993 | 678 | 8,75 | 74990,6 | 53,92 | Unstable |
| OmybHLH-271 | XP\_021418956.1 | 15 | 39,459,193 | 39,477,779 | 596 | 7,89 | 64724,6 | 54,14 | Unstable |
| OmybHLH-272 | XP\_021418957.1 | 15 | 39,459,193 | 39,477,779 | 593 | 7,57 | 64382,2 | 53,96 | Unstable |
| OmybHLH-273 | XP\_021419178.1 | 15 | 45,758,221 | 45,778,451 | 401 | 5,54 | 44585,1 | 61,07 | Unstable |
| OmybHLH-274 | XP\_021419494.1 | 15 | 53,407,750 | 53,409,896 | 194 | 8,93 | 21560,1 | 74,21 | Unstable |
| OmybHLH-275 | XP\_021419542.1 | 15 | 54,561,201 | 54,562,939 | 238 | 6,07 | 26907,9 | 55,82 | Unstable |
| OmybHLH-276 | XP\_021419543.1 | 15 | 54,569,118 | 54,572,288 | 239 | 5,81 | 26074,9 | 83,04 | Unstable |
| OmybHLH-277 | XP\_021419594.1 | 15 | 56,115,147 | 56,152,305 | 664 | 6,08 | 73576,3 | 54,07 | Unstable |
| OmybHLH-278 | XP\_021419595.1 | 15 | 56,115,147 | 56,152,305 | 663 | 6,08 | 73505,2 | 54,01 | Unstable |
| OmybHLH-279 | XP\_021419596.1 | 15 | 56,115,147 | 56,152,305 | 663 | 6,15 | 73574,3 | 54,76 | Unstable |
| OmybHLH-280 | XP\_021419597.1 | 15 | 56,115,147 | 56,152,305 | 659 | 6,01 | 73067,7 | 52,49 | Unstable |
| OmybHLH-281 | XP\_021419598.1 | 15 | 56,115,147 | 56,152,305 | 658 | 6,01 | 72996,6 | 52,84 | Unstable |
| OmybHLH-282 | XP\_021420524.1 | 16 | 12,240,688 | 12,241,681 | 216 | 9,09 | 24409,7 | 66,01 | Unstable |
| OmybHLH-283 | XP\_021420979.1 | 16 | 20,994,552 | 20,999,075 | 438 | 6,21 | 48978,1 | 57,54 | Unstable |
| OmybHLH-284 | XP\_021423038.1 | 16 | 33,921,333 | 33,922,984 | 207 | 9,98 | 23536,31 | 62,3 | Unstable |
| OmybHLH-285 | XP\_021423039.1 | 16 | 33,930,974 | 33,932,664 | 241 | 10,13 | 26906,94 | 58,78 | Unstable |
| OmybHLH-286 | XP\_021421306.1 | 16 | 34,285,033 | 30,287,370 | 290 | 9,54 | 31148,6 | 54,36 | Unstable |
| OmybHLH-287 | XP\_021421529.1 | 16 | 37,003,250 | 37,007,300 | 367 | 5,80 | 39791,31 | 63,32 | Unstable |
| OmybHLH-288 | XP\_021421838.1 | 16 | 42,709,713 | 42,712,196 | 184 | 9,62 | 20360,17 | 56,06 | Unstable |
| OmybHLH-289 | XP\_021421896.1 | 16 | 44,886,877 | 44,938,898 | 514 | 5,78 | 57223,19 | 62,81 | Unstable |
| OmybHLH-290 | XP\_021421897.1 | 16 | 44,886,877 | 44,938,898 | 513 | 5,85 | 57094,07 | 62,91 | Unstable |
| OmybHLH-291 | XP\_021421898.1 | 16 | 44,886,877 | 44,938,898 | 512 | 5,85 | 57022,99 | 63,02 | Unstable |
| OmybHLH-292 | XP\_021421899.1 | 16 | 44,886,877 | 44,938,898 | 500 | 5,85 | 55663,45 | 65,08 | Unstable |
| OmybHLH-293 | XP\_021421984.1 | 16 | 46,885,851 | 46,890,712 | 193 | 8,40 | 21217,05 | 63,61 | Unstable |
| OmybHLH-294 | XP\_021422177.1 | 16 | 50,220,227 | 50,222,118 | 156 | 9,74 | 17645,02 | 67,69 | Unstable |

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| OmybHLH-295 | XP\_021422178.1 | 16 | 50,224,779 | 50,226,336 | 164 | 9,62 | 18729,5 | 67,96 | Unstable |
| OmybHLH-296 | XP\_021422330.1 | 16 | 53,337,903 | 53,343,795 | 495 | 7,11 | 54245,84 | 55,21 | Unstable |
| OmybHLH-297 | XP\_021422567.1 | 16 | 58,576,147 | 58,578,357 | 225 | 8,73 | 24440,26 | 39,65 | Stable |
| OmybHLH-298 | NP\_001118194.1 | 16 | 64,703,816 | 64,705,250 | 126 | 5,12 | 14053.32 | 53.94 | Unstable |
| OmybHLH-299 | XP\_021422834.1 | 16 | 69,010,418 | 69,040,167 | 569 | 5,29 | 61666,93 | 70,37 | Unstable |
| OmybHLH-300 | XP\_021423253.1 | 17 | 439,024 | 440,414 | 237 | 6,01 | 26472,11 | 54,5 | Unstable |
| OmybHLH-301 | XP\_021426117.1 | 17 | 6,544,348 | 6,552,835 | 268 | 6,57 | 30767,94 | 82,46 | Unstable |
| OmybHLH-302 | XP\_021424098.1 | 17 | 23,890,519 | 23,895,094 | 383 | 5,55 | 43769,18 | 86,33 | Unstable |
| OmybHLH-303 | XP\_021424191.1 | 17 | 28,119,168 | 28,124,962 | 187 | 9,44 | 20598,34 | 47,69 | Unstable |
| OmybHLH-304 | XP\_021424244.1 | 17 | 29,703,061 | 29,704,556 | 201 | 9,30 | 22020,91 | 54,08 | Unstable |
| OmybHLH-305 | XP\_021426011.1 | 17 | 35,190,222 | 35,197,872 | 221 | 6,86 | 23980,39 | 50,69 | Unstable |
| OmybHLH-306 | XP\_021424850.1 | 17 | 44,059,006 | 44,063,813 | 425 | 6,91 | 47252,42 | 76,68 | Unstable |
| OmybHLH-307 | XP\_021424962.1 | 17 | 47,361,594 | **47,366,954** | 330 | 5,91 | 36221,54 | 73,84 | Unstable |
| OmybHLH-308 | XP\_021425127.1 | 17 | 50,990,031 | 50,991,854 | 162 | 10,25 | 18347,3 | 49,38 | Unstable |
| OmybHLH-309 | XP\_021425129.1 | 17 | 51,003,528 | 51,005,770 | 154 | 9,12 | 17605,07 | 64,67 | Unstable |
| OmybHLH-310 | XP\_021425130.1 | 17 | 51,030,942 | 51,033,087 | 178 | 9,71 | 20471,38 | 63,27 | Unstable |
| OmybHLH-311 | XP\_021425372.1 | 17 | 58,190,469 | 58,191,922 | 130 | 6,57 | 14615 | 37,57 | Stable |
| OmybHLH-312 | XP\_021425424.1 | 17 | 58,876,077 | 58,888,791 | 420 | 7,25 | 46311,39 | 72,39 | Unstable |
| OmybHLH-313 | XP\_021425474.1 | 17 | 60,012,285 | 60,018,192 | 412 | 5,80 | 45526,04 | 60,18 | Unstable |
| OmybHLH-314 | XP\_021425511.1 | 17 | 61,968,475 | 61,970,922 | 96 | 8,55 | 10788,35 | 64,97 | Unstable |
| OmybHLH-315 | XP\_021426864.1 | 18 | 12,901,146 | 12,903,497 | 127 | 9,55 | 14510,81 | 64,11 | Unstable |
| OmybHLH-316 | XP\_021427123.1 | 18 | 18,981,259 | 18,985,717 | 177 | 8,59 | 19056,17 | 62,72 | Unstable |
| OmybHLH-317 | XP\_021427432.1 | 18 | 28,076,490 | 28,083,603 | 164 | 9,97 | 18146,12 | 39,39 | Stable |
| OmybHLH-318 | XP\_021427433.1 | 18 | 28,076,490 | 28,083,603 | 164 | 9,97 | 18146,12 | 39,39 | Stable |
| OmybHLH-319 | XP\_021428623.1 | 18 | 45,962,587 | 45,964,098 | 158 | 9,81 | 18064,14 | 39,42 | Stable |

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| OmybHLH-320 | XP\_021428190.1 | 18 | 47,063,466 | 47,068,052 | 358 | 9,51 | 38236,69 | 74,75 | Unstable |
| OmybHLH-321 | XP\_021428360.1 | 18 | 53,615,193 | 53,625,429 | 211 | 9,57 | 22904,57 | 58,14 | Unstable |
| OmybHLH-322 | XP\_021428591.1 | 18 | 59,364,280 | 59,373,162 | 446 | 6,13 | 48889,36 | 64,03 | Unstable |
| OmybHLH-323 | XP\_021429145.1 | 19 | 10,387,021 | 10,389,640 | 211 | 9,11 | 23376,32 | 55 | Unstable |
| OmybHLH-324 | XP\_021429298.1 | 19 | 17,690,027 | 17,691,623 | 199 | 6,78 | 22532,18 | 61,99 | Unstable |
| OmybHLH-325 | XP\_021430102.1 | 19 | 40,395,930 | 40,401,148 | 159 | 6,52 | 17885,53 | 70,08 | Unstable |
| OmybHLH-326 | XP\_021430103.1 | 19 | 40,395,930 | 40,401,148 | 156 | 6,21 | 17571,14 | 71,78 | Unstable |
| OmybHLH-327 | XP\_021430104.1 | 19 | 40,395,930 | 40,401,148 | 154 | 6,21 | 17314,88 | 66,29 | Unstable |
| OmybHLH-328 | XP\_021430105.1 | 19 | 40,395,930 | 40,401,148 | 151 | 5,96 | 17000,5 | 67,97 | Unstable |
| OmybHLH-329 | XP\_021430196.1 | 19 | 42,303,965 | 42,308,352 | 389 | 5,40 | 43768,56 | 80,23 | Unstable |
| OmybHLH-330 | XP\_021430910.1 | 19 | 42,589,151 | 42,590,690 | 252 | 9,48 | 27065,8 | 57,51 | Unstable |
| OmybHLH-331 | NP\_001118195.1 | 19 | 49,335,341 | 49,338,219 | 135 | 7,01 | 15127.22 | 58.85 | Unstable |
| OmybHLH-332 | XP\_021431123.1 | 20 | 2,059,193 | 2,070,139 | 434 | 6,47 | 48514,89 | 60,35 | Unstable |
| OmybHLH-333 | XP\_021431124.1 | 20 | 2,059,193 | 2,070,139 | 356 | 5,67 | 39609,68 | 59,98 | Unstable |
| OmybHLH-334 | XP\_021431494.1 | 20 | 13,062,921 | 13,064,603 | 220 | 8,30 | 24862,11 | 63,31 | Unstable |
| OmybHLH-335 | XP\_021431837.1 | 20 | 20,762,002 | 20,790,114 | 193 | 8,71 | 21552,83 | 65,72 | Unstable |
| OmybHLH-336 | XP\_021431838.1 | 20 | 20,762,002 | 20,790,114 | 193 | 8,72 | 21552,83 | 65,72 | Unstable |
| OmybHLH-337 | XP\_021432001.1 | 20 | 25,210,196 | 25,212,290 | 248 | 9,54 | 27075,99 | 57,84 | Unstable |
| OmybHLH-338 | XP\_021432710.1 | 21 | 11,978,547 | 11,998,126 | 593 | 6,21 | 66362,25 | 57,52 | Unstable |
| OmybHLH-339 | XP\_021432711.1 | 21 | 11,978,547 | 11,998,126 | 592 | 6,30 | 66360,28 | 58,3 | Unstable |
| OmybHLH-340 | XP\_021432712.1 | 21 | 11,978,547 | 11,998,126 | 592 | 6,21 | 66291,17 | 57,46 | Unstable |
| OmybHLH-341 | XP\_021432713.1 | 21 | 11,978,547 | 11,998,126 | 588 | 6,13 | 65853,67 | 55,78 | Unstable |
| OmybHLH-342 | XP\_021432714.1 | 21 | 11,978,547 | 11,998,126 | 587 | 6,13 | 65782,59 | 56,18 | Unstable |
| OmybHLH-343 | XP\_021432715.1 | 21 | 11,978,547 | 11,998,126 | 638 | 6,17 | 70936,31 | 55,78 | Unstable |
| OmybHLH-344 | XP\_021432716.1 | 21 | 11,978,547 | 11,998,126 | 593 | 6,21 | 66362,25 | 57,52 | Unstable |

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| OmybHLH-345 | NP\_001118001.1 | 21 | 13,458,569 | 13,461,712 | 239 | 5.98 | 26209.02 | 82.69 | Unstable |
| OmybHLH-346 | XP\_021432770.1 | 21 | 13,467,937 | 13,469,656 | 238 | 6,07 | 26920,94 | 55,7 | Unstable |
| OmybHLH-347 | XP\_021433146.1 | 21 | 13,467,937 | 13,469,656 | 192 | 8,77 | 22287,23 | 61,35 | Unstable |
| OmybHLH-348 | XP\_021432839.1 | 21 | 14,724,845 | 14,727,015 | 194 | 8,93 | 21578,13 | 76,62 | Unstable |
| OmybHLH-349 | XP\_021434214.1 | 21 | 16,993,595 | 17,008,981 | 652 | 5,58 | 70745,83 | 52,12 | Unstable |
| OmybHLH-350 | XP\_021433154.1 | 21 | 22,574,408 | 22,597,952 | 441 | 5,54 | 48899,81 | 55,56 | Unstable |
| OmybHLH-351 | XP\_021433155.1 | 21 | 22,574,408 | 22,597,952 | 437 | 5,93 | 48455,68 | 59,99 | Unstable |
| OmybHLH-352 | XP\_021433156.1 | 21 | 22,574,408 | 22,597,952 | 436 | 5,61 | 48309,1 | 55,07 | Unstable |
| OmybHLH-353 | XP\_021433157.1 | 21 | 22,574,408 | 22,597,952 | 432 | 5,47 | 47904,64 | 55,32 | Unstable |
| OmybHLH-354 | XP\_021433158.1 | 21 | 22,574,408 | 22,597,952 | 432 | 6,02 | 47864,97 | 59,54 | Unstable |
| OmybHLH-355 | XP\_021433159.1 | 21 | 22,574,408 | 22,597,952 | 414 | 5,20 | 45962,38 | 57,17 | Unstable |
| OmybHLH-356 | XP\_021433160.1 | 21 | 22,574,408 | 22,597,952 | 405 | 5,14 | 44967,22 | 56,95 | Unstable |
| OmybHLH-357 | XP\_021433161.1 | 21 | 22,574,408 | 22,597,952 | 404 | 5,60 | 45010,48 | 57,65 | Unstable |
| OmybHLH-358 | XP\_021433379.1 | 21 | 30,984,201 | 30,988,437 | 291 | 9,23 | 30687,61 | 66,6 | Unstable |
| OmybHLH-359 | XP\_021435631.1 | 22 | 20,082,486 | 20,089,277 | 115 | 9,79 | 13674,91 | 54,29 | Unstable |
| OmybHLH-360 | XP\_021434929.1 | 22 | 20,107,183 | 20,112,366 | 161 | 9,42 | 18416,59 | 80,13 | Unstable |
| OmybHLH-361 | XP\_021435015.1 | 22 | 25,598,073 | 25,601,635 | 124 | 9,26 | 14107,4 | 68,12 | Unstable |
| OmybHLH-362 | XP\_021435209.1 | 22 | 30,948,148 | 30,951,854 | 356 | 5,48 | 40173,71 | 67,06 | Unstable |
| OmybHLH-363 | XP\_021435690.1 | 22 | 41,896,053 | 41,947,289 | 894 | 5,92 | 97304,08 | 40,48 | Unstable |
| OmybHLH-364 | XP\_021435490.1 | 22 | 44,254,156 | 44,334,912 | 265 | 9,10 | 28597,81 | 52,82 | Unstable |
| OmybHLH-365 | XP\_021435491.1 | 22 | 44,332,156 | 44,334,912 | 265 | 9,10 | 28597,81 | 52,82 | Unstable |
| OmybHLH-366 | XP\_021435492.1 | 22 | 44,332,728 | 44,257,447 | 261 | 10,40 | 27608,84 | 66,54 | Unstable |
| OmybHLH-367 | XP\_021436200.1 | 23 | 14,554,568 | 14,570,325 | 268 | 6,16 | 30463,84 | 57,18 | Unstable |
| OmybHLH-368 | XP\_021437019.1 | 23 | 38,697,025 | 43,953,337 | 249 | 9,56 | 27018,87 | 51,53 | Unstable |
| OmybHLH-369 | XP\_021437150.1 | 23 | 43,951,955 | 38,710,700 | 176 | 9,51 | 19811,09 | 53,1 | Unstable |

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| OmybHLH-370 | XP\_021437939.1 | 24 | 11,614,476 | 11,622,151 | 318 | 5,25 | 34626,28 | 49,92 | Unstable |
| OmybHLH-371 | XP\_021437940.1 | 24 | 11,614,476 | 11,622,151 | 318 | 5,25 | 34626,28 | 49,92 | Unstable |
| OmybHLH-372 | XP\_021437941.1 | 24 | 11,614,476 | 11,622,151 | 318 | 5,25 | 34626,28 | 49,92 | Unstable |
| OmybHLH-373 | XP\_021437942.1 | 24 | 11,614,476 | 11,622,151 | 318 | 5,25 | 34626,28 | 49,92 | Unstable |
| OmybHLH-374 | XP\_021437943.1 | 24 | 11,614,476 | 11,622,151 | 312 | 5,35 | 33996,62 | 51,72 | Unstable |
| OmybHLH-375 | XP\_021437944.1 | 24 | 11,614,476 | 11,622,151 | 307 | 5,35 | 33450,98 | 50,06 | Unstable |
| OmybHLH-376 | XP\_021437945.1 | 24 | 11,614,476 | 11,622,151 | 307 | 5,35 | 33450,98 | 50,06 | Unstable |
| OmybHLH-377 | XP\_021437946.1 | 24 | 11,614,476 | 11,622,151 | 307 | 5,35 | 33450,98 | 50,06 | Unstable |
| OmybHLH-378 | XP\_021437947.1 | 24 | 11,614,476 | 11,622,151 | 307 | 5,35 | 33450,98 | 50,06 | Unstable |
| OmybHLH-379 | XP\_021437948.1 | 24 | 11,614,476 | 11,622,151 | 301 | 5,47 | 32821,31 | 51,93 | Unstable |
| OmybHLH-380 | XP\_021437950.1 | 24 | 11,614,476 | 11,622,151 | 290 | 5,12 | 31489,85 | 54,24 | Unstable |
| OmybHLH-381 | XP\_021438119.1 | 24 | 16,038,718 | 16,077,373 | 667 | 8,62 | 72208,8 | 62,17 | Unstable |
| OmybHLH-382 | XP\_021437477.1 | 24 | 24,757,895 | 24,759,996 | 334 | 9,12 | 37277,79 | 87,34 | Unstable |
| OmybHLH-383 | XP\_021438645.1 | 24 | 28,515,623 | 28,518,326 | 210 | 9,51 | 23671,16 | 58,15 | Unstable |
| OmybHLH-384 | XP\_021438646.1 | 24 | 28,521,223 | 28,523,305 | 232 | 4,93 | 25582,6 | 51,31 | Unstable |
| OmybHLH-385 | XP\_021438768.1 | 25 | 77,168 | 79,349 | 269 | 8,41 | 28994,26 | 73,03 | Unstable |
| OmybHLH-386 | XP\_021438835.1 | 25 | 14,269,265 | 14,270,624 | 207 | 9,51 | 23620,65 | 70,75 | Unstable |
| OmybHLH-387 | XP\_021439212.1 | 25 | 15,265,390 | 15,274,221 | 292 | 9,40 | 32679,89 | 53,22 | Unstable |
| OmybHLH-388 | XP\_021439213.1 | 25 | 15,265,390 | 15,274,221 | 292 | 9,40 | 32679,89 | 53,22 | Unstable |
| OmybHLH-389 | XP\_021440080.1 | 25 | 45,646,932 | 45,648,753 | 118 | 4,77 | 13095,96 | 62,22 | Unstable |
| OmybHLH-390 | XP\_021440155.1 | 25 | 49,021,255 | 49,023,883 | 135 | 6,96 | 15104,22 | 61,75 | Unstable |
| OmybHLH-391 | XP\_021438779.1 | 25 | 55,714,680 | 55,716,357 | 256 | 9,13 | 27416,11 | 52,74 | Unstable |
| OmybHLH-392 | XP\_021440353.1 | 25 | 55,981,427 | 55,986,983 | 389 | 5,72 | 43544,47 | 80,33 | Unstable |
| OmybHLH-393 | XP\_021440458.1 | 25 | 57,991,630 | 58,014,908 | 174 | 5,57 | 19551,3 | 70,31 | Unstable |
| OmybHLH-394 | XP\_021440459.1 | 25 | 57,991,630 | 58,014,908 | 171 | 5,75 | 19235,97 | 71 | Unstable |

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| OmybHLH-395 | XP\_021440460.1 | 25 | 57,991,630 | 58,014,908 | 166 | 5,55 | 18665,32 | 67,51 | Unstable |
| OmybHLH-396 | XP\_021440461.1 | 25 | 57,991,630 | 58,014,908 | 159 | 5,96 | 17995,62 | 70,45 | Unstable |
| OmybHLH-397 | XP\_021440462.1 | 25 | 57,991,630 | 58,014,908 | 156 | 6,21 | 17680,29 | 71,21 | Unstable |
| OmybHLH-398 | XP\_021440464.1 | 25 | 57,991,630 | 58,014,908 | 151 | 5,96 | 17109,64 | 67,38 | Unstable |
| OmybHLH-399 | XP\_021441799.1 | 26 | 16,116,640 | 16,143,293 | 620 | 6,21 | 68555,53 | 43,6 | Unstable |
| OmybHLH-400 | XP\_021441800.1 | 26 | 16,116,640 | 16,143,293 | 613 | 6,51 | 67701,64 | 44,1 | Unstable |
| OmybHLH-401 | XP\_021441904.1 | 26 | 18,579,059 | 18,690,055 | 732 | 6,49 | 77823,72 | 56,88 | Unstable |
| OmybHLH-402 | XP\_021441905.1 | 26 | 18,579,059 | 18,690,055 | 732 | 6,49 | 77823,72 | 56,88 | Unstable |
| OmybHLH-403 | XP\_021441906.1 | 26 | 18,579,059 | 18,690,055 | 732 | 6,49 | 77823,72 | 56,88 | Unstable |
| OmybHLH-404 | XP\_021441907.1 | 26 | 18,579,059 | 18,690,055 | 732 | 6,49 | 77823,72 | 56,88 | Unstable |
| OmybHLH-405 | XP\_021441908.1 | 26 | 18,579,059 | 18,690,055 | 731 | 6,49 | 77736,64 | 56,68 | Unstable |
| OmybHLH-406 | XP\_021441909.1 | 26 | 18,579,059 | 18,690,055 | 719 | 6,42 | 76668,44 | 57,67 | Unstable |
| OmybHLH-407 | XP\_021441910.1 | 26 | 18,579,059 | 18,690,055 | 708 | 6,51 | 74948,45 | 56,92 | Unstable |
| OmybHLH-408 | XP\_021441911.1 | 26 | 18,579,059 | 18,690,055 | 708 | 6,66 | 75207,78 | 58,32 | Unstable |
| OmybHLH-409 | XP\_021441912.1 | 26 | 18,579,059 | 18,690,055 | 695 | 6,43 | 73793,17 | 57,73 | Unstable |
| OmybHLH-410 | XP\_021441258.1 | 26 | 33,904,511 | 33,949,357 | 358 | 8,86 | 39508,05 | 51,95 | Unstable |
| OmybHLH-411 | XP\_021442737.1 | 27 | 14,600,392 | 14,605,984 | 330 | 5,27 | 36137,17 | 48,87 | Unstable |
| OmybHLH-412 | XP\_021442738.1 | **27** | 14,600,392 | 14,605,984 | 330 | 5,27 | 36137,17 | 48,87 | Unstable |
| OmybHLH-413 | XP\_021442739.1 | 27 | 14,600,392 | 14,605,984 | 324 | 5,37 | 35507,5 | 50,58 | Unstable |
| OmybHLH-414 | XP\_021442740.1 | 27 | 14,600,392 | 14,605,984 | 319 | 5,37 | 34961,87 | 48,96 | Unstable |
| OmybHLH-415 | XP\_021442741.1 | 27 | 14,600,392 | 14,605,984 | 313 | 5,49 | 34332,2 | 50,74 | Unstable |
| OmybHLH-416 | XP\_021443541.1 | 27 | 19,160,382 | 19,196,121 | 636 | 8,84 | 69271,46 | 60,65 | Unstable |
| OmybHLH-417 | XP\_021443542.1 | 27 | 19,160,382 | 19,196,121 | 622 | 8,40 | 67637,63 | 60,52 | Unstable |
| OmybHLH-418 | XP\_021444061.1 | 27 | 31,109,798 | 31,112,114 | 206 | 9,39 | 23139,61 | 55,7 | Unstable |
| OmybHLH-419 | XP\_021444062.1 | 27 | 31,114,788 | 31,116,961 | 236 | 4,84 | 26188,19 | 48,24 | Unstable |

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| OmybHLH-420 | XP\_021444553.1 | 28 | 4,666,563 | 4,668,666 | 227 | 8,48 | 24704,7 | 44,71 | Unstable |
| OmybHLH-421 | XP\_021444605.1 | 28 | 7,053,245 | 7,106,924 | 644 | 6,25 | 68168,67 | 55,47 | Unstable |
| OmybHLH-422 | XP\_021444606.1 | 28 | 7,053,245 | 7,106,924 | 641 | 5,78 | 68159,6 | 53,81 | Unstable |
| OmybHLH-423 | XP\_021444288.1 | 28 | 18,739,633 | 18,791,486 | 661 | 8,60 | 75002,9 | 47,7 | Unstable |
| OmybHLH-424 | XP\_021444379.1 | 28 | 19,512,903 | 19,514,465 | 269 | 5,11 | 30803,22 | 65,47 | Unstable |
| OmybHLH-425 | XP\_021445219.1 | 28 | 22,873,885 | 22,875,830 | 226 | 8,76 | 24672,79 | 63,03 | Unstable |
| OmybHLH-426 | XP\_021445302.1 | 28 | 26,302,042 | 26,304,701 | 236 | 4,74 | 26357,46 | 56,01 | Unstable |
| OmybHLH-427 | XP\_021445415.1 | 28 | 28,740,128 | 28,751,062 | 352 | 5,85 | 38552,38 | 63,86 | Unstable |
| OmybHLH-428 | XP\_021445585.1 | 28 | 31,483,451 | 31,485,485 | 263 | 9,54 | 28446,73 | 51,62 | Unstable |
| OmybHLH-429 | XP\_021445979.1 | 29 | 29,957,455 | 29,958,709 | 217 | 9,54 | 24975,19 | 66,34 | Unstable |
| OmybHLH-430 | XP\_021445980.1 | 29 | 29,961,325 | 29,962,594 | 217 | 9,25 | 25006,35 | 63,89 | Unstable |
| OmybHLH-431 | XP\_021448405.1 | scaffold | 1 | 924 | 197 | 10,48 | 22040,28 | 88,89 | Unstable |
| OmybHLH-432 | XP\_021448393.1 | scaffold | 1 | 1,271 | 207 | 9,27 | 22334,19 | 56,01 | Unstable |
| OmybHLH-433 | XP\_021451326.1 | scaffold | 61 | 908 | 103 | 10,02 | 11598,6 | 70,61 | Unstable |
| OmybHLH-434 | XP\_021448805.1 | scaffold | 61 | 908 | 103 | 10,02 | 11598,6 | 70,61 | Unstable |
| OmybHLH-435 | XP\_021451357.1 | scaffold | 879 | 2,021 | 125 | 9,41 | 14587,68 | 65,3 | Unstable |
| OmybHLH-436 | XP\_021450010.1 | scaffold | 1,817 | 2,512 | 223 | 5,53 | 25466,16 | 63,08 | Unstable |
| OmybHLH-437 | XP\_021451435.1 | scaffold | 3,544 | 4,307 | 127 | 6,50 | 14298,25 | 72,2 | Unstable |
| OmybHLH-438 | XP\_021450512.1 | scaffold | 7,682 | 10,017 | 177 | 9,66 | 19039,38 | 22,91 | Stable |
| OmybHLH-439 | XP\_021449745.1 | scaffold | 8,689 | 42,671 | 969 | 6,46 | 106594,04 | 51,57 | Unstable |
| OmybHLH-440 | XP\_021451720.1 | scaffold | 25,95 | 26,738 | 141 | 8,38 | 15918,18 | 67,59 | Unstable |
| OmybHLH-441 | XP\_021449050.1 | scaffold | 33,251 | 70,465 | 840 | 6,48 | 94548,03 | 61,99 | Unstable |