

Supplemental Table 5. Comparison of mouse oocyte proteome with mESC and hESC_expressed proteins

mOocyte proteome, mouse oocyte proteome generated from this study; mESC_expressed proteins, hESC_expressed proteins (proteins detected in mouse or human embryonic stem cell), mESC_enriched proteins, hESC_enriched proteins (proteins specific in embryonic stem cell or highly expressed in embryonic stem cell compared with differentiated embryonic stem cell) established by Van et al., 2006 (available at <http://www.mcponline.org/cgi/content/full/M500405-MCP200/DC1>).

The comparison is based on unique Entrez Gene ID.

	Entrez Gene ID	Count
Intersection between mOocyte proteome and mESC_expressed proteins	16832 22223 11461 22027 14381 14827 11669 19684 111175 110695 21402 12709 11677 11566 386649 53893 20867 18746 18477 67955 56752 22388 21672 18453 18293 13205 23983 22154 18655 13806 12462 12282 11674 192662 110446 76614 70356 22628 21454 15510 13629 13382 12461 11947 245688 110198 108645 81018 78920 71853 66194 22631 18673 18643 15525 15481 14860 12632 12631 11946 11750 11639 11637 233870 107260 93765 77305 72946 70025 68938 67151 67089 66902 58810 56354 56085 51792 50492 26891 26754 23980 22334 22327 22273 22143 22070 21881 19384 19184 18648 18597 18538 18537 18521 18221 16785 15926 15526 15519 14828 14661 14569 14194 13680 12466 12465 12464 12340 12237 11431 11429 193740 331026 276770 270685 269378 246703 246221 236539 225896 225887 217737 213827 110842 110460 110391 109801 109672 108679 108671 108156 108124 107029 103768 434423 94181 77891 76238 74192 74098 72900 71973 71780 71679 70533 68263 68045 68015 67880 67834 67824 67738 67710 67678 67673 67397 67273 67207 67201 67199 67160 66979 66945 66834 66592 66588 66385 66235 66171 66094 66071 64704 59042 59029 59013 58875 57320 56495 56433 56431 56350 55988 54709 54683 53895 53382 53381 53380 53323 51886 50933 50493 30926 28295 28106 27096 26912 26446 26445 26444 26443 26440 26394 23996 23918 23790 22630 22627 22230 22192 22171 21991 21371 20810 20751 20656 20655 20226 20042 19385 19192 19181 19177 19175 19172 19166 18637 18476 18242 18195 18103 18102 17904 17449 16828 16592 16434 15254 14775 14694 14228 13684 13681 13589 13202 13017 12468 12408 12345 12331 12034 11966 11758 11757 11534 11532	256
Intersection between mOocyte proteome and hESC_expressed proteins	11428 11429 11431 11461 11519 11532 11566 11637 11639 11674 11677 11750 11757 11758 11847 11946 11947 11966 12034 12237 12282 12340 12345 12461 12462 12464 12465 12466 12468 12631 12632 12709 13017 13202 13205 13589 13629 13680 13681 13684 13806 14194 14228 14661 14694 14775 14827 14828 15254 15481 15510 15519 15525 15526 15528 15926 16434 16592 16785 16828 16832 17449 17904 18102 18103 18195 18221 18242 18453 18475 18476 18477 18521 18537 18538 18571 18597 18637 18643 18645 18648 18655 18673 18746 19166 19172 19175 19177 19181 19184 19192 19384 19385 19684 20042 20226 20655 20656 20729 20810 20867 21371 21402 21454 21672 21856 21881 21991 22027 22070 22146 22171 22192 22223 22230 22273 22327 22334 22388 22627 22628 22630 22631 23918 23980 23983 23996 26394 26440 26443 26444 26445 26446 26891 27096 28106 28295 30926 30956 50492 50493 50933 51792 51886 53323 53381 53382 53893 53895 54683 54709 55988 56085 56350 56354 56357 56431 56433 56495 56752 57028 57320 58810 58875 59013 59029 59042 66171 66194 66385 66592 66834 66902 66945 67089 67151 67160 67199 67201 67207 67273 67397 67673 67710 67834 67955 68015 68045 68126 68252 68263 70025 70356 71679 71780 71853 72479 72900 72946 74142 74192 76614 77891 78920 81018 93765 104776 105245 107029 107260 108124 108156 108645 108671 108679 109652 109801 110198 110391 110446 110460 110695 110842 171567 192662 193740 213827 217737 225887 225896 227613 233870 236539 246221 246703 268373 269378 270685 276770 319625 319765 331026 386649	243

	Entrez Gene ID	Count
Intersection among mOocyte proteome, mESC, hESC	16832 22223 11461 22027 14827 19684 110695 21402 12709 11677 11566 386649 53893 20867 18746 18477 67955 56752 22388 21672 18453 13205 23983 18655 13806 12462 12282 11674 192662 110446 76614 70356 22628 21454 15510 13629 12461 11947 110198 108645 81018 78920 71853 66194 22631 18673 18643 15525 15481 12632 12631 11946 11750 11639 11637 233870 107260 93765 72946 70025 67151 67089 66902 58810 56354 56085 51792 50492 26891 23980 22334 22327 22273 22070 21881 19384 19184 18648 18597 18538 18537 18521 18221 16785 15926 15526 15519 14828 14661 14194 13680 12466 12465 12464 12340 12237 11431 11429 331026 276770 270685 269378 246703 246221 236539 225896 225887 217737 213827 193740 110842 110460 110391 109801 108679 108671 108156 108124 107029 77891 74192 72900 71780 71679 68263 68045 68015 67834 67710 67673 67397 67273 67207 67201 67199 67160 66945 66834 66592 66385 66171 59042 59029 59013 58875 57320 56495 56433 56431 56350 55988 54709 54683 53895 53382 53381 53323 51886 50933 50493 30926 28295 28106 27096 26446 26445 26444 26443 26440 26394 23996 23918 22630 22627 22230 22192 22171 21991 21371 20810 20656 20655 20226 20042 19385 19192 19181 19177 19175 19172 19166 18637 18476 18242 18195 18103 18102 17904 17449 16828 16592 16434 15254 14775 14694 14228 13684 13681 13589 13202 13017 12468 12345 12034 11966 11758 11757 11532	218
Intersection between mOocyte proteome and mESC_enriched proteins	11534 11566 11677 11750 12345 13205 14860 16785 18103 18195 18673 19166 19184 19192 20226 22143 22171 22230 22327 23790 23996 26394 26440 26754 26912 28295 50493 53380 56354 58875 64704 66071 66094 66194 66235 66902 66945 66979 67151 67201 67207 67273 67678 67824 67880 68015 68938 70025 71780 71973 72900 72946 74098 77305 77891 81018 103768 107029 108156 108645 110695 111175 217737 225887 225896 246221 246703 331026 434423	69
Intersection between mOocyte proteome and hESC_enriched proteins	11519 11566 11750 11847 12464 12632 13017 13680 14228 17904 18195 18221 18242 18597 19184 20226 20729 21856 23996 28295 30956 50493 56085 56354 56357 56495 59042 66592 66945 67273 67710 67834 68126 70025 72479 74142 77891 78920 81018 104776 107029 108671 109652 110460 110842 171567 217737 227613 270685 386649	50
Intersection among mOocyte proteome, mESC_enriched, hESC_enriched	11566 11750 18195 19184 20226 23996 28295 50493 56354 66945 67273 70025 77891 81018 107029 217737	16