**mol % of sample from 3 independent experiments are shown**

| CLASS | wildtype_rich_1 | wildtype_rich_2 | wildtype_rich_3 | wildtype poor_1 | wildtype poor_2 | wildtype poor_3 |
|---|---|---|---|---|---|---|
| **CDP-DAG** | 0.015124273 | 0.011749767 | 0.019285012 | 0.061940002 | 0.071758957 | 0.057062568 |
| **Cer** | 0.19504779 | 0.216785997 | 0.216427253 | 0.13525069 | 0.145915565 | 0.167095614 |
| **CL** | 0.77881138 | 0.743802639 | 0.605814161 | 1.487231036 | 1.439300435 | 1.559186908 |
| **DAG** | 4.733885827 | 4.809351219 | 6.631319898 | 5.31129097 | 5.052870236 | 6.008994526 |
| **EE** | 9.378973625 | 7.659139583 | 6.848938903 | 4.492170416 | 4.882674743 | 4.605306095 |
| **IPC** | 2.391301664 | 2.429651712 | 2.499352098 | 1.300103045 | 1.415487249 | 1.30788091 |
| **LPA** | 0.023529426 | 0.021304741 | 0.023904182 | 0.03276838 | 0.036603073 | 0.021635286 |
| **LPC** | 1.217297138 | 0.826398916 | 0.889906634 | 2.08825827 | 1.950552679 | 1.41228448 |
| **LPE** | 1.584314033 | 1.14612861 | 1.304509636 | 2.390386244 | 2.572451363 | 1.657171356 |
| **LPI** | 0.714404717 | 0.526081548 | 0.532245947 | 1.205542736 | 1.112771378 | 0.594128886 |
| **LPS** | 0.142852185 | 0.11434605 | 0.148918756 | 0.320762159 | 0.290101311 | 0.165582534 |
| **M(IP)2C** | 2.08817141 | 1.988102502 | 2.274188589 | 2.041487505 | 1.866722978 | 1.690581477 |
| **MIPC** | 0.89423054 | 0.931765075 | 0.850490436 | 0.222317598 | 0.246509021 | 0.237545865 |
| **PA** | 6.535715277 | 6.471636371 | 6.285671223 | 3.266754283 | 3.613136412 | 4.430742064 |
| **PC** | 23.95771941 | 24.73189579 | 22.97986172 | 23.83482202 | 23.48735732 | 24.25011143 |
| **PE** | 15.30145732 | 17.04591552 | 15.09712067 | 16.90298023 | 16.87408099 | 17.32373955 |
| **PG** | 0.045910979 | 0.052900861 | 0.038828848 | 0.165563234 | 0.154946347 | 0.168681541 |
| **PI** | 24.10587236 | 24.13231807 | 26.52705743 | 17.89426951 | 18.05687401 | 17.5725616 |
| **PS** | 3.127781865 | 3.01516914 | 3.419682785 | 3.598591137 | 3.268162939 | 2.836670157 |
| **TAG** | 2.767598785 | 3.125555886 | 2.806475819 | 13.24751054 | 13.461723 | 13.93303715 |

| CLASS | rts1_rich_1 | rts1_rich_2 | rts1_rich_3 | rts1 poor_1 | rts1 poor_2 | rts1 poor_3 |
|---|---|---|---|---|---|---|
| **CDP-DAG** | 0.016025331 | 0.014198792 | 0.010587913 | 0.021019738 | 0.025600214 | 0.027505781 |
| **Cer** | 0.280340192 | 0.221372089 | 0.243160518 | 0.115787748 | 0.116377667 | 0.117912233 |
| **CL** | 0.844501715 | 0.948274934 | 0.840363612 | 1.132031733 | 1.122054682 | 1.149218268 |
| **DAG** | 5.127803857 | 7.034695286 | 5.198828694 | 4.562333865 | 6.325619098 | 5.991113596 |
| **EE** | 10.1124045 | 8.199667064 | 9.051301832 | 8.145773939 | 8.779257775 | 7.494494854 |
| **IPC** | 2.745943574 | 3.110048322 | 2.903497044 | 1.548884377 | 1.788751354 | 1.595724532 |
| **LPA** | 0.044632693 | 0.030139882 | 0.045795706 | 0.030128313 | 0.039659988 | 0.026353854 |
| **LPC** | 0.775631933 | 0.870077412 | 0.88132764 | 0.709663238 | 0.926305986 | 0.992357436 |
| **LPE** | 1.106821638 | 1.275594031 | 1.385974881 | 0.708876185 | 0.826711635 | 0.930619317 |
| **LPI** | 0.397680778 | 0.464885809 | 0.442515584 | 0.388851541 | 0.389640783 | 0.462858097 |
| **LPS** | 0.115524862 | 0.135004173 | 0.139278644 | 0.062781953 | 0.057729648 | 0.098859205 |
| **M(IP)2C** | 1.932215515 | 1.821682117 | 1.845984158 | 0.731721335 | 0.993487451 | 0.989315493 |
| **MIPC** | 0.722725697 | 0.61744993 | 0.622305373 | 0.641922963 | 0.533776305 | 0.638632773 |
| **PA** | 4.682071952 | 5.890505732 | 5.333530954 | 4.293771431 | 5.103627931 | 3.866771315 |
| **PC** | 24.57213488 | 23.25469862 | 23.9317439 | 20.67486868 | 19.9990548 | 20.29573708 |
| **PE** | 17.5741617 | 16.9000702 | 16.71286943 | 14.86874164 | 15.86478327 | 15.36138678 |
| **PG** | 0.059617614 | 0.058242452 | 0.063838251 | 0.177553402 | 0.169761597 | 0.150251213 |
| **PI** | 21.75955942 | 22.76402065 | 23.79778174 | 16.22900003 | 15.86431373 | 16.86328793 |
| **PS** | 2.98673712 | 2.836810144 | 2.949816326 | 1.608225168 | 1.466521141 | 1.835116456 |
| **TAG** | 4.14346504 | 3.552562361 | 3.599497803 | 23.34806272 | 19.60696495 | 21.11248377 |

**mol % of sample from 3 independent experiments are shown**

| Subespecies | wildtype_rich_1 | wildtype_rich_2 | wildtype_rich_3 | wildtype poor_1 | wildtype poor_2 | wildtype poor_3 |
|---|---|---|---|---|---|---|
| Cer 32:0;2 | 0.009164588 | 0.013071325 | 0.009405691 | | 0.004879923 | |
| Cer 34:0;2 | 0.010381844 | 0.016344926 | 0.012457434 | 0.00416234 | 0.005571384 | 0.003819645 |
| Cer 34:1;4 | | 0.002476532 | 0.002270297 | | | |
| Cer 36:0;2 | | 0.010239279 | 0.007803667 | | | |
| Cer 36:1;2 | | 0.010908625 | 0.010367526 | | | |
| Cer 38:0;2 | | 0.00262842 | | | | |
| Cer 38:1;4 | | | | | | 0.002433089 |
| Cer 42:0;2 | 0.008755563 | 0.010327517 | 0.010099323 | 0.007640132 | 0.007567534 | 0.008981505 |
| Cer 42:0;3 | 0.003592769 | 0.003993989 | 0.005537414 | | | |
| Cer 42:0;4 | 0.00594568 | 0.006217118 | 0.008578033 | 0.005415144 | 0.004887574 | 0.00457524 |
| Cer 44:0;2 | | 0.004775292 | 0.00532616 | | | |
| Cer 44:0;3 | 0.015204608 | 0.022480801 | 0.031077972 | 0.007443617 | 0.007756783 | 0.010394852 |
| Cer 44:0;4 | 0.109735079 | 0.089055029 | 0.090513329 | 0.079414936 | 0.080402373 | 0.092704837 |
| Cer 44:0;5 | 0.007933973 | 0.004250016 | 0.004393248 | 0.009794445 | 0.010964138 | 0.011593244 |
| Cer 46:0;3 | 0.003013183 | 0.005204565 | 0.006231262 | | | 0.004727654 |
| Cer 46:0;4 | 0.021320503 | 0.014812564 | 0.012365897 | 0.021380076 | 0.023885856 | 0.027865548 |
| IPC 38:0;3 | | | 0.010530804 | | | |
| IPC 40:1;2 | | | | | | |
| IPC 42:0;3 | 0.037752615 | 0.081038545 | 0.111988134 | | | |
| IPC 42:0;4 | 0.099194621 | 0.121570846 | 0.126779359 | 0.050075057 | 0.047371173 | 0.049949911 |
| IPC 42:0;5 | | | | | | |
| IPC 44:0;3 | 0.416332229 | 0.675371582 | 0.886379871 | 0.099791142 | 0.108332236 | 0.11564565 |
| IPC 44:0;4 | 1.31522871 | 1.166132026 | 1.046990449 | 0.653766056 | 0.703536979 | 0.667871561 |
| IPC 44:0;5 | 0.245932918 | 0.172176266 | 0.156118574 | 0.212339755 | 0.230622176 | 0.203696064 |
| IPC 46:0;3 | 0.050422599 | 0.058607611 | 0.056996173 | 0.023727966 | 0.028610923 | 0.025521929 |
| IPC 46:0;4 | 0.226437972 | 0.154754837 | 0.103568734 | 0.241579885 | 0.276608811 | 0.228595006 |
| IPC 46:0;5 | | | | 0.018823185 | 0.020404951 | 0.016600789 |

| Subespecies | wildtype_rich_1 | wildtype_rich_2 | wildtype_rich_3 | wildtype poor_1 | wildtype poor_2 | wildtype poor_3 |
|---|---|---|---|---|---|---|
| M(IP)2C 42:0;3 | 0.006920721 | | 0.008485232 | | | |
| M(IP)2C 42:0;4 | | | 0.00774717 | | | |
| M(IP)2C 44:0;3 | 0.333417021 | 0.518899034 | 0.733055509 | 0.087620063 | 0.073370433 | 0.069791774 |
| M(IP)2C 44:0;4 | 1.12699082 | 1.061241443 | 1.147719766 | 1.064284315 | 0.958711416 | 0.877557992 |
| M(IP)2C 44:0;5 | 0.011947467 | 0.007556794 | | 0.022301417 | 0.025028135 | 0.020421436 |
| M(IP)2C 46:0;3 | 0.156480521 | 0.139846616 | 0.162966471 | 0.082754414 | 0.063578613 | 0.063279793 |
| M(IP)2C 46:0;4 | 0.45241486 | 0.260558615 | 0.214214441 | 0.784527296 | 0.746034381 | 0.659530482 |
| MIPC 42:0;3 | 0.020580554 | 0.014834466 | 0.016630463 | | | |
| MIPC 44:0;3 | 0.099971019 | 0.166216788 | 0.197545327 | | | |
| MIPC 44:0;4 | 0.526966399 | 0.571843015 | 0.500872853 | 0.140649053 | 0.149844899 | 0.137703176 |
| MIPC 44:0;5 | 0.016272151 | | | | | 0.012220267 |
| MIPC 46:0;3 | 0.038882444 | 0.045327589 | 0.040626185 | | | |
| MIPC 46:0;4 | 0.191557975 | 0.133543217 | 0.094815608 | 0.081668546 | 0.096664123 | 0.087622422 |

| Subespecies | rts1_rich_1 | rts1_rich_2 | rts1_rich_3 | rts1 poor_1 | rts1 poor_2 | rts1 poor_3 |
|---|---|---|---|---|---|---|
| Cer 32:0;2 | 0.012293833 | 0.010781104 | 0.007950254 | | | |
| Cer 34:0;2 | 0.018860939 | 0.012933109 | 0.009771402 | 0.003607964 | 0.001843059 | 0.001575535 |
| Cer 34:1;4 | | 0.002558534 | 0.002831267 | 0.001910334 | 0.002080632 | |
| Cer 36:0;2 | 0.013332447 | 0.007755114 | | | | |
| Cer 36:1;2 | 0.012271606 | | | | | |
| Cer 38:0;2 | 0.002766947 | 0.002439249 | 0.001834177 | | | |
| Cer 38:1;4 | | | | 0.002647406 | 0.002467465 | 0.002646703 |
| Cer 42:0;2 | 0.012834836 | 0.009443056 | 0.011229431 | 0.0054903 | 0.005724272 | 0.004902899 |
| Cer 42:0;3 | 0.004824466 | 0.00484276 | 0.005600848 | | 0.002528104 | 0.001952665 |
| Cer 42:0;4 | 0.009446953 | 0.009112872 | 0.010336566 | | 0.002242499 | 0.0016957 |
| Cer 44:0;2 | | | 0.006180718 | | | |
| Cer 44:0;3 | 0.018724385 | 0.024070845 | 0.026164673 | 0.009921159 | 0.008433742 | 0.011517226 |
| Cer 44:0;4 | 0.130850759 | 0.106841818 | 0.124992039 | 0.049604189 | 0.05193812 | 0.049666568 |
| Cer 44:0;5 | 0.011037522 | 0.009114402 | 0.009089479 | 0.007615583 | 0.010235914 | 0.008566725 |
| Cer 46:0;3 | 0.006345525 | 0.005401145 | 0.006071708 | 0.00854155 | 0.005531892 | 0.0084988 |
| Cer 46:0;4 | 0.026749972 | 0.016078082 | 0.021107957 | 0.026449262 | 0.023351968 | 0.026889412 |
| IPC 38:0;3 | | 0.01822891 | 0.009619842 | | | |
| IPC 40:1;2 | | | | | 0.01176804 | |
| IPC 42:0;3 | 0.048320919 | 0.095878491 | 0.066227736 | | | |
| IPC 42:0;4 | 0.144439088 | 0.163560716 | 0.167181498 | 0.030770788 | 0.034851624 | 0.026762686 |
| IPC 42:0;5 | 0.008012081 | 0.010428942 | 0.009710443 | | | |
| IPC 44:0;3 | 0.432704697 | 0.774391106 | 0.591103269 | 0.144973437 | 0.166477372 | 0.172092705 |
| IPC 44:0;4 | 1.464788795 | 1.477555892 | 1.466197513 | 0.572607663 | 0.72076572 | 0.597559483 |
| IPC 44:0;5 | 0.314188382 | 0.297764619 | 0.31023852 | 0.277481038 | 0.358734092 | 0.280016219 |
| IPC 46:0;3 | 0.062196386 | 0.073208079 | 0.06442124 | 0.068864411 | 0.053288515 | 0.064851018 |
| IPC 46:0;4 | 0.271293227 | 0.199031566 | 0.218796983 | 0.403368323 | 0.385042421 | 0.401748024 |
| IPC 46:0;5 | | | | 0.050818716 | 0.057823571 | 0.052694397 |

| Subespecies | rts1_rich_1 | rts1_rich_2 | rts1_rich_3 | rts1 poor_1 | rts1 poor_2 | rts1 poor_3 |
|---|---|---|---|---|---|---|
| M(IP)2C 42:0;3 | | | | | | |
| M(IP)2C 42:0;4 | | | | | | |
| M(IP)2C 44:0;3 | 0.332041331 | 0.406584675 | 0.389101374 | 0.07123383 | 0.081216075 | 0.086078726 |
| M(IP)2C 44:0;4 | 1.020168622 | 0.95275006 | 0.978585319 | 0.321728617 | 0.431817317 | 0.42466967 |
| M(IP)2C 44:0;5 | 0.010764628 | 0.007269833 | | 0.004400627 | 0.008121321 | |
| M(IP)2C 46:0;3 | 0.160371366 | 0.162669391 | 0.157080854 | 0.06728163 | 0.080698652 | 0.086725175 |
| M(IP)2C 46:0;4 | 0.408869568 | 0.292408159 | 0.32121661 | 0.26707663 | 0.391634086 | 0.391841922 |
| MIPC 42:0;3 | | | | | | |
| MIPC 44:0;3 | 0.071973238 | 0.090082782 | 0.074395448 | 0.030872097 | 0.027578679 | 0.03378951 |
| MIPC 44:0;4 | 0.423890417 | 0.366007761 | 0.397084458 | 0.278290016 | 0.232340344 | 0.266037998 |
| MIPC 44:0;5 | 0.016537938 | 0.013776811 | | 0.013733685 | 0.01858219 | 0.014598907 |
| MIPC 46:0;3 | 0.033486599 | 0.03392072 | 0.031194051 | 0.047446151 | 0.03559827 | 0.047954497 |
| MIPC 46:0;4 | 0.176837505 | 0.113661856 | 0.119631416 | 0.271581014 | 0.219676822 | 0.276251861 |