**S2 Table** The relative contents of differentially metabolites in LJF under different salt

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Metabolites** | **0 mM** | **100 mM** | **200 mM** | **300 mM** |
| Caffeic acid  | 26242  | 26220  | 26945  | 27198  | 28047  | 20974  | 21071  | 21493  | 20990  | 21695  | 13241  | 13214  | 13438  | 13162  | 13546  | 22515  | 23049  | 22703  | 22792  | 23048  |
| Quinic acid  | 10487  | 10586  | 12277  | 12670  | 12741  | 10232  | 10143  | 10277  | 10171  | 10219  | 6076  | 6064  | 6023  | 6054  | 6332  | 9585  | 9670  | 9735  | 9397  | 9385  |
| 1,3-O-dicaffeoylquinic acid  | 41409  | 17465  | 15610  | 30746  | 31468  | 36981  | 14824  | 0  | 37630  | 0  | 15612  | 33826  | 37810  | 35349  | 35858  | 37737  | 37279  | 38009  | 36735  | 38576  |
| Cryptochlorogenic acid | 711  | 906  | 3459  | 3839  | 3741  | 628  | 413  | 510  | 543  | 590  | 385  | 556  | 346  | 494  | 558  | 420  | 550  | 527  | 408  | 462  |
| 3-O-caffeoylquinic acid methyl ester  | 1572  | 1704  | 1849  | 1688  | 1869  | 2455  | 2430  | 2332  | 2371  | 2554  | 1525  | 1428  | 827  | 1623  | 698  | 2983  | 3172  | 3168  | 3013  | 3299  |
| Feruloyl caffeoylquinic acid  | 6102  | 5975  | 4460  | 4307  | 3794  | 8571  | 8175  | 8968  | 8572  | 9008  | 11666  | 11157  | 12243  | 10533  | 10599  | 12970  | 12187  | 12986  | 12574  | 12248  |
| 5-(p-Coumaryl) quinic acid  | 12422  | 11872  | 13782  | 14124  | 12938  | 13570  | 13877  | 13799  | 12809  | 13485  | 12754  | 12856  | 12901  | 12782  | 12179  | 18499  | 18387  | 18998  | 19015  | 19368  |
| Coumaroyl caffeoylquinic acid  | 59100  | 57178  | 45020  | 39894  | 44524  | 53650  | 49510  | 51508  | 24644  | 49649  | 50998  | 51278  | 53283  | 48814  | 52540  | 50242  | 51067  | 53024  | 53649  | 57738  |
| Isochlorogenic acid A  | 9503  | 1104  | 8182  | 4450  | 7497  | 930  | 5684  | 1051  | 926  | 800  | 722  | 957  | 633  | 4458  | 504  | 4743  | 8410  | 451  | 0  | 4305  |
| Chlorogenic acid  | 4889  | 4898  | 4829  | 4805  | 4865  | 5793  | 5641  | 5735  | 5522  | 5844  | 6127  | 6260  | 6568  | 6353  | 6296  | 4848  | 4878  | 4878  | 5025  | 4871  |
| 3-O-ferulicoylquinic acid  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 38964  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| Ferulic acid  | 2432  | 2510  | 2539  | 2571  | 2472  | 2139  | 2126  | 2179  | 2198  | 2196  | 1591  | 1618  | 1613  | 1622  | 1600  | 2339  | 2320  | 2327  | 2332  | 2258  |
| Isochlorogenic acid C | 12056  | 11017  | 8108  | 7541  | 7837  | 1872  | 10157  | 10324  | 9609  | 10472  | 2000  | 9116  | 9536  | 1094  | 9141  | 1464  | 1544  | 0  | 1765  | 18078  |
| Neochlorogenic acid  | 42018  | 41619  | 41516  | 39009  | 39163  | 40428  | 40845  | 40439  | 40218  | 40530  | 35927  | 35628  | 36485  | 35712  | 36797  | 37847  | 37374  | 37816  | 39953  | 37411  |
| Caffeic acid methyl ester  | 0  | 8177  | 28  | 3088  | 0  | 7851  | 2891  | 7806  | 7436  | 7783  | 6945  | 6725  | 7478  | 3483  | 7110  | 3494  | 0  | 7463  | 7539  | 3575  |
| 1,4-O-dicaffeoylquinic acid  | 391  | 373  | 450  | 1772  | 1770  | 2028  | 1745  | 1776  | 3004  | 1979  | 179  | 411  | 1654  | 1653  | 1633  | 332  | 3033  | 1778  | 2909  | 1833  |
| Ethyl caffeate  | 2930  | 2776  | 4918  | 5222  | 4801  | 2122  | 2205  | 2056  | 2077  | 2344  | 749  | 765  | 801  | 752  | 777  | 2470  | 2359  | 2747  | 2635  | 2465  |
| Proline  | 396  | 382  | 458  | 436  | 452  | 316  | 306  | 302  | 356  | 0  | 0  | 145  | 153  | 0  | 0  | 0  | 218  | 219  | 0  | 209  |
| Tryptophan  | 1006  | 1055  | 549  | 490  | 500  | 489  | 506  | 524  | 501  | 547  | 454  | 475  | 435  | 375  | 426  | 726  | 689  | 673  | 733  | 706  |
| Adenine  | 2019  | 2070  | 2852  | 3124  | 3330  | 1988  | 1945  | 2077  | 1847  | 1971  | 720  | 669  | 680  | 639  | 519  | 1941  | 1878  | 1849  | 1905  | 1813  |
| Uridine  | 3062  | 3096  | 3268  | 3598  | 3569  | 3294  | 3033  | 3153  | 3098  | 3092  | 4222  | 4280  | 4366  | 4584  | 4220  | 5130  | 4763  | 4689  | 5081  | 4992  |
| Tyrosine  | 1184  | 1237  | 971  | 969  | 974  | 1977  | 1932  | 1994  | 1952  | 1941  | 2361  | 2376  | 2331  | 2508  | 2341  | 1897  | 1740  | 1761  | 1782  | 1775  |
| Kingiside  | 573  | 450  | 625  | 478  | 613  | 4046  | 189  | 4062  | 3857  | 263  | 212  | 163  | 145  | 208  | 374  | 371  | 389  | 371  | 331  | 319  |
| Luteoloside  | 2283  | 2080  | 2159  | 2199  | 2013  | 1754  | 3457  | 1657  | 3256  | 3664  | 2763  | 2816  | 3124  | 2918  | 2909  | 3413  | 3639  | 3459  | 3488  | 3526  |
| Isoquercitrin  | 3675  | 3521  | 3391  | 3082  | 2791  | 2357  | 434  | 2589  | 263  | 373  | 302  | 241  | 272  | 324  | 276  | 230  | 375  | 308  | 252  | 322  |
| Genistein  | 459  | 386  | 356  | 355  | 429  | 441  | 452  | 615  | 504  | 448  | 372  | 361  | 389  | 370  | 352  | 498  | 631  | 492  | 478  | 519  |
| Luteolin-5-O-glucopyranoside  | 3675  | 3521  | 3391  | 3082  | 2791  | 2357  | 434  | 2589  | 263  | 373  | 302  | 241  | 272  | 324  | 276  | 230  | 375  | 308  | 252  | 322  |
| Tricin  | 459  | 386  | 356  | 355  | 429  | 441  | 452  | 615  | 504  | 448  | 372  | 361  | 389  | 370  | 352  | 498  | 631  | 492  | 478  | 519  |
| Astragalin  | 9503  | 1104  | 8182  | 4450  | 7497  | 930  | 5684  | 1051  | 926  | 800  | 722  | 957  | 633  | 4458  | 504  | 4743  | 8410  | 451  | 0  | 4305  |
| Quercetin  | 1884  | 1843  | 1399  | 1325  | 1189  | 2673  | 2739  | 2812  | 2675  | 2710  | 3712  | 3519  | 0  | 0  | 3311  | 4181  | 3957  | 4243  | 4026  | 3787  |
| Lonicerin  | 5411  | 5021  | 419  | 4611  | 5769  | 5795  | 6219  | 6202  | 754  | 796  | 0  | 541  | 300  | 5377  | 348  | 415  | 462  | 0  | 450  | 457  |
| Hesperidin  | 5411  | 5021  | 419  | 4611  | 5769  | 5795  | 6219  | 6202  | 754  | 796  | 0  | 541  | 300  | 5377  | 348  | 415  | 462  | 0  | 450  | 457  |
| Hyperoside  | 3793  | 8569  | 6849  | 6713  | 6856  | 8096  | 7708  | 8251  | 7791  | 8354  | 6776  | 7131  | 7357  | 3513  | 6642  | 9652  | 9759  | 9266  | 0  | 10497  |
| Quercetin-7-O-glucoside  | 1167  | 471  | 401  | 820  | 815  | 845  | 1810  | 2028  | 1788  | 0  | 2330  | 1035  | 2539  | 2525  | 2535  | 2228  | 2235  | 2266  | 2383  | 2230  |
| Centauroside  | 4496  | 5191  | 5595  | 4508  | 4649  | 5231  | 5304  | 5741  | 4853  | 6233  | 4147  | 5435  | 14033  | 5221  | 5500  | 8638  | 19850  | 7917  | 8689  | 20087  |
| Flavoyadorinin-B  | 1308  | 1786  | 1870  | 2100  | 2350  | 1566  | 1542  | 1705  | 3408  | 0  | 0  | 0  | 3583  | 0  | 0  | 0  | 0  | 0  | 0  | 4414  |
| Lonijaposide B  | 1573  | 1598  | 1114  | 1111  | 1125  | 1421  | 1263  | 1364  | 0  | 1384  | 1398  | 1346  | 1462  | 1294  | 3031  | 1415  | 1430  | 1506  | 0  | 1689  |
| 8-epi-loganin | 2467  | 2394  | 2369  | 2241  | 2294  | 2404  | 2284  | 2393  | 2380  | 2358  | 2553  | 2484  | 2620  | 2536  | 2552  | 2217  | 2166  | 2199  | 2141  | 2142  |
| Secoxyloganin  | 12422  | 11872  | 13782  | 14124  | 12938  | 13570  | 13877  | 13799  | 12809  | 13485  | 12754  | 12856  | 12901  | 12782  | 12179  | 18499  | 18387  | 18998  | 19015  | 19368  |
| Secologanin | 2647  | 2454  | 2965  | 2916  | 2748  | 2981  | 2889  | 2807  | 2743  | 2986  | 2749  | 2733  | 2716  | 2713  | 2656  | 3941  | 3967  | 4182  | 4113  | 3979  |
| Loganin  | 6323  | 6479  | 1985  | 1433  | 1665  | 9341  | 3975  | 9526  | 0  | 9501  | 6352  | 6718  | 6328  | 6243  | 6313  | 6420  | 0  | 5891  | 6463  | 2955  |
| 8-epi-loganin acid  | 8016  | 8117  | 8508  | 8847  | 8599  | 7577  | 6996  | 7069  | 7419  | 7095  | 5565  | 5811  | 5974  | 5483  | 5629  | 7249  | 7912  | 7967  | 7596  | 8197  |
| Morroniside | 24210  | 24475  | 22235  | 20383  | 21296  | 20385  | 21447  | 21999  | 20955  | 22540  | 17786  | 18731  | 19256  | 18381  | 18830  | 18538  | 18322  | 18544  | 17517  | 18713  |
| Swertiamarine  | 6550  | 6410  | 7067  | 6274  | 6120  | 10571  | 10339  | 10027  | 10339  | 10768  | 11867  | 11535  | 11802  | 11564  | 11839  | 11699  | 11838  | 12848  | 12926  | 12816  |
| Loganic acid  | 13043  | 12725  | 12215  | 11179  | 10498  | 10864  | 11484  | 12842  | 10450  | 11377  | 7294  | 7473  | 7982  | 7307  | 7697  | 9546  | 9408  | 9448  | 10401  | 10004  |
| Vogeloside  | 2823  | 2748  | 1125  | 673  | 658  | 5933  | 5828  | 6570  | 5814  | 6939  | 2084  | 1976  | 2215  | 2214  | 2106  | 2227  | 2682  | 2468  | 2220  | 2557  |
| Sweroside  | 10  | 5  | 21  | 5 | 737  | 12  | 33  |  59 | 0  | 0  | 0  | 0  | 0  | 0 | 0  | 0 | 0  | 0  | 0 | 21  |