**Supplementary file 4. Cytochrome p450 genes in *Dictyostelium purpureum*.**

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| Gene ID | Gene name | Note |
| DICPUDRAFT\_93794 | *CYP51D1\_Dp* | Full length |
| DICPUDRAFT\_26606 | *CYP508A2\_Dp* | Full length |
| DICPUDRAFT\_156647 | *CYP508A4\_Dp* | Full length |
| DICPUDRAFT\_43840 | *CYP508A1\_Dp* | Full length |
| DICPUDRAFT\_146927 | *CYP508B1\_Dp* | Full length |
| DICPUDRAFT\_41061 | *CYP508B1\_Dp* | Full length |
| DICPUDRAFT\_92912 | *CYP508C1\_Dp* | Full length |
| DICPUDRAFT\_83304 | *CYP508D1\_Dp* | Full length |
| DICPUDRAFT\_77397 | *CYP508E1\_Dp* | Full length |
| DICPUDRAFT\_83390 | *CYP508A3\_Dp* | Full length |
| DICPUDRAFT\_54607 | *CYP508A1\_Dp* | Full length |
| DICPUDRAFT\_45676 | *CYP508B1\_Dp* | Full length |
| DICPUDRAFT\_97847 | *CYP508A2\_Dp* | Full length |
| DICPUDRAFT\_87778 | *CYP508A4\_Dp* | Full length |
| DICPUDRAFT\_25344 | *CYP513H1\_Dp* | Full length |
| DICPUDRAFT\_95724 | *CYP513H1 \_Dp* | Full length |
| DICPUDRAFT\_57144 | *CYP513A3\_Dp* | Full length |
| DICPUDRAFT\_74512 | *CYP513C1\_Dp* | Full length |
| DICPUDRAFT\_74514 | *CYP513C1\_Dp* | Full length |
| DICPUDRAFT\_150587 | *CYP513D1\_Dp* | Full length |
| DICPUDRAFT\_149158 | *CYP513F1\_Dp* | Full length |
| DICPUDRAFT\_80941 | *CYP513F1\_Dp* | Full length |
| DICPUDRAFT\_147217 | *CYP513A3\_Dp* | Full length |
| DICPUDRAFT\_74510 | *CYP513A3\_Dp* | Full length |
| DICPUDRAFT\_31424 | *CYP513D1\_Dp* | Full length |
| DICPUDRAFT\_42183 | *CYP514A1\_Dp* | Full length |
| DICPUDRAFT\_80939 | *CYP514A1\_Dp* | Full length |
| DICPUDRAFT\_80940 | *CYP514A4\_Dp* | Full length |
| DICPUDRAFT\_42091 | *CYP515A1\_Dp* | Full length |
| DICPUDRAFT\_99050 | *CYP515B1\_Dp* | Full length |
| DICPUDRAFT\_81297 | *CYP515B1\_Dp* | Full length |
| DICPUDRAFT\_153109 | *CYP516A1\_Dp* | Full length |
| DICPUDRAFT\_92019 | *CYP516B1\_Dp* | Full length |
| DICPUDRAFT\_37923 | *CYP518A1\_Dp* | Full length |
| DICPUDRAFT\_51478 | *CYP518A1\_Dp* | Full length |
| DICPUDRAFT\_96856 | *CYP519A1\_Dp* | Full length |
| DICPUDRAFT\_29455 | *CYP519B1\_Dp* | Full length |
| DICPUDRAFT\_29435 | *CYP519D1\_Dp* | Full length |
| DICPUDRAFT\_54169 | *CYP524A1\_Dp* | Full length |
| DICPUDRAFT\_54851 | *CYP519E1\_Dp* | Full length |
| DICPUDRAFT\_84371 | *CYP519H1P\_Dp* | Full length |
| DICPUDRAFT\_28572 | *CYP525A1\_Dp* | Full length |
| DICPUDRAFT\_17677 | *CYP555A1\_Dp* | Full length |
| DICPUDRAFT\_76441 | *CYP556A1\_Dp* | Full length |
| DICPUDRAFT\_80286 | *CYP519E1\_Dp* | Full length |
| DICPUDRAFT\_92221 | *CYP508B1\_Dp* | Full length |
| DICPUDRAFT\_154414 | *CYP508C1\_Dp* | Full length |
| DICPUDRAFT\_159750 | *CYP508B1\_Dp* | partial |
| DICPUDRAFT\_21969 | *CYP513H1\_Dp* | partial |
| DICPUDRAFT\_38755 | *CYP508A1\_Dp* | partial |
| DICPUDRAFT\_38792 | *CYP515A2\_Dp* | partial |
| DICPUDRAFT\_35628 | *CYP515A2\_Dp* | partial |
| DICPUDRAFT\_37832 | *CYP516B1\_Dp* | partial |
| DICPUDRAFT\_76460 | *CYP519E1\_Dp* | partial |