|  |  |
| --- | --- |
| OsAKR1:Os01g0847600  OsAKR2:Os01g0847700  OsAKR3:Os01g0847800  OsDMAS1-AK073738  Os10g0517400  Os07g0143000  Os07g0142900  Os10g0419100  Os01g0618100  Os04g0339400  Os04g0338000  Os04g0337500  Os02g0817500  Os03g0237100  Os10g0113100  Os10g0113000  Os10g0114300  Os10g0113900  Os04g0167800  Os04g0447500  Os04g0447600  Os04g0447700  Os02g0123500  Os05g0474600  Os05g0496200  Os05g0456300  Aldose reductase- AK100718  Aldehyde dehydrogenase 7- AK120185  sp|O24174|BADH\_ORYSJ Betaine aldehyde dehydrogenase –Os04g0464200  sp|Q6ZHS4|CADH2\_ORYSJ Cinnamyl alcohol dehydrogenase 2  sp|Q2R8Z5|ADH1\_ORYSJ Alcohol dehydrogenase 1  OsI\_04428-GQ227709-AKR4C14  Glyoxalase I  Glyoxalase II |  |

**List of carbonyl compounds that need to be used for docking studies.**

Malondialdehyde

4-Hydroxy-trans-2-nonenal

4-Oxo-trans-2-nonenal

glyoxal

Methylglyxoal

Acrolein

Crotonaldehyde

Glucosone,

3-deoxyglucosone

3-deoxyfructose

glycoldehyde