

**Table 5.** The effect of different carbon sources on the enzymatic activity of the 5 highest lipase producers of *Aspergillus sp.* Isolates:

Carbon source	Lipase activity (U/ml) $\pm$ S.D	Dry weight (g/flask) $\pm$ S.D	Diameter (cm) $\pm$ S.D
<b>Glucose</b>			
<i>A. niger</i> MH111398	608.21 $\pm$ 0.44	0.825 $\pm$ 0.130	3.23 $\pm$ 0.208
<i>A. niger</i> MH111400	614.10 $\pm$ 5.24	1.004 $\pm$ 0.174	6.57 $\pm$ 0.404
<i>A. niger</i> MH078565	608.21 $\pm$ 1.60	0.925 $\pm$ 0.121	5.8 $\pm$ 0.625
<i>A. niger</i> MH078571	660.26 $\pm$ 5.24	1.11 $\pm$ 0.064	6.9 $\pm$ 0.2
<i>A. niger</i> MH079049	647.18 $\pm$ 5.24	1.245 $\pm$ 0.095	7.17 $\pm$ 0.153
<b>Fructose</b>			
<i>A. niger</i> MH111398	635.39 $\pm$ 3.35	1.05 $\pm$ 0.063	6.1 $\pm$ 0.3
<i>A. niger</i> MH111400	625.9 $\pm$ 4.44	1.24 $\pm$ 0.063	6.2 $\pm$ 0.265
<i>A. niger</i> MH078565	618.72 $\pm$ 8.98	1.13 $\pm$ 0.073	6.37 $\pm$ 0.351
<i>A. niger</i> MH078571	717.44 $\pm$ 20.89	1.39 $\pm$ 0.082	6.5 $\pm$ 0.2
<i>A. niger</i> MH079049	710.26 $\pm$ 15.41	1.288 $\pm$ 0.034	7.13 $\pm$ 0.153
<b>Lactose</b>			
<i>A. niger</i> MH111398	608.21 $\pm$ 0.44	0.904 $\pm$ 0.122	6.67 $\pm$ 0.153
<i>A. niger</i> MH111400	614.87 $\pm$ 3.20	0.94 $\pm$ 0.131	7.03 $\pm$ 0.351
<i>A. niger</i> MH078565	607.44 $\pm$ 0.44	0.941 $\pm$ 0.075	6.3 $\pm$ 0.265
<i>A. niger</i> MH078571	689.23 $\pm$ 13.32	0.944 $\pm$ 0.085	7.03 $\pm$ 0.153
<i>A. niger</i> MH079049	670.51 $\pm$ 17.14	0.957 $\pm$ 0.209	7.03 $\pm$ 0.252
<b>Galactose</b>			
<i>A. niger</i> MH111398	617.44 $\pm$ 9.01	0.98 $\pm$ 0.159	5.4 $\pm$ 0.2
<i>A. niger</i> MH111400	610 $\pm$ 0.77	1.029 $\pm$ 0.160	6.73 $\pm$ 0.306
<i>A. niger</i> MH078565	605.13 $\pm$ 2.70	0.914 $\pm$ 0.071	7.17 $\pm$ 0.208
<i>A. niger</i> MH078571	609.49 $\pm$ 0.89	0.985 $\pm$ 0.016	7.37 $\pm$ 0.252
<i>A. niger</i> MH079049	608.47 $\pm$ 4.68	0.994 $\pm$ 0.057	6.5 $\pm$ 0.10
<b>Maltose</b>			
<i>A. niger</i> MH111398	648.72 $\pm$ 7.15	0.561 $\pm$ 0.012	5.37 $\pm$ 0.115
<i>A. niger</i> MH111400	608.21 $\pm$ 1.60	0.624 $\pm$ 0.004	6.97 $\pm$ 0.306
<i>A. niger</i> MH078565	611.28 $\pm$ 0.44	0.555 $\pm$ 0.040	7.23 $\pm$ 0.208
<i>A. niger</i> MH078571	660 $\pm$ 1.33	0.707 $\pm$ 0.022	6.63 $\pm$ 0.208
<i>A. niger</i> MH079049	615.64 $\pm$ 4.64	0.695 $\pm$ 0.036	5.37 $\pm$ 0.208
<b>Sucrose</b>			
<i>A. niger</i> MH111398	551.03 $\pm$ 8.98	0.674 $\pm$ 0.073	3.53 $\pm$ 0.153
<i>A. niger</i> MH111400	586.15 $\pm$ 2.04	0.974 $\pm$ 0.082	7.1 $\pm$ 0.265
<i>A. niger</i> MH078565	599.23 $\pm$ 1.33	0.917 $\pm$ 0.018	3.83 $\pm$ 0.153
<i>A. niger</i> MH078571	605.9 $\pm$ 3.20	1.007 $\pm$ 0.126	3.87 $\pm$ 0.379
<i>A. niger</i> MH079049	601.54 $\pm$ 4.28	1.109 $\pm$ 0.116	3.17 $\pm$ 0.351

<b>Starch</b>			
<i>A. niger</i> MH111398	554.87±3.87	0.4209±0.031	3.73±0.252
<i>A. niger</i> MH111400	562.82±4.95	0.462±0.035	5.93±0.252
<i>A. niger</i> MH078565	574.1±3.55	0.525±0.030	6.1±0.173
<i>A. niger</i> MH078571	592.56±4.51	0.612±0.027	5.07±0.404
<i>A. niger</i> MH079049	598.97±0.89	0.619±0.051	6.13±0.153

\* Results are averages of three replicates

