

REIVINDICACIONES MODIFICADAS

1. Una variante de un polipéptido parental que tiene actividad alfa-amilasa, en donde dicha variante es un polipéptido de fusión y en donde dicha variante comprende una modificación, en donde dicha variante tiene un rendimiento de lavado mejorado con un factor de mejora (IF) de ≥ 1 cuando se compara con dicho polipéptido parental, y en donde dicha variante es seleccionada de

D183*+G184T+N195F+V206L+K391A+T444Q+P473R+G476K

G109A+G182*+D183*+N195F

G182*+D183*+A186N

G182*+D183*+N195F

G182*+D183*+N195F+K391A

H1*+A37H+N54S+V56T+A60V+G109A+R116Q+T165G+A174S+G182*+D183*+N195F+V206+K391A+G476K

H1*+A37H+N54S+V56T+A60V+G109A+R116Q+T165G+A174S+G182*+D183*+N195F+V206L+K391A+G476K

H1*+A37H+N54S+V56T+A60V+G109A+R116Q+W167F+Q172N+A174S+G182*+D183*+N195F+V206L+K391A+G476K

H1*+A37H+N54S+V56T+A60V+G109A+R116Q+W167F+Q172R+A174S+G182*+D183*+N195F+V206L+K391A+G476K

H1*+A37H+N54S+V56T+G109A+A174S+G182*+D183*+N195F+V206L+K391A+G476K

H1*+A37H+N54S+V56T+G109A+F113Q+A174S+G182*+D183*+N195F+V206L+K391A+G476K

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H1*+A37L+N54S+V56T+G109A+A174S+G182*+D183*+N195F+V206L+K391A+G476K

H1*+A37M+N54S+V56T+G109A+A174S+G182*+D183*+N195F+V206L+K391A+G476K

H1*+A37R+N54S+V56T+G109A+A174S+G182*+D183*+N195F+V206L+K391A+G476K

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 N54S+V56T+G109A+G182*+D183*+N195F;

en donde la numeración es acorde a la SEQ ID NO: 13.

2. La variante de acuerdo con la reivindicación 1, en donde dicha variante tiene un rendimiento de lavado mejorado a baja temperatura, en donde dicha baja temperatura está en un rango de 5°C a 40°C.
3. La variante de acuerdo con la reivindicación 1, en donde dicha variante tiene un rendimiento de lavado mejorado a baja temperatura, en donde dicha baja temperatura está en un rango de 10°C a 30°C.
4. La variante de acuerdo con las reivindicaciones 2 a 3, en donde la baja temperatura está en un rango de 15°C a 20°C.

5. Una composición que comprende la variante de acuerdo con cualquiera de las reivindicaciones precedentes.
6. La composición de acuerdo con la reivindicación 5, en donde dicha composición además comprende al menos un compuesto activo adicional.
7. La composición de acuerdo con cualquiera de las reivindicaciones 5 y 6, en donde dicho compuesto activo adicional es una enzima, tal como una proteasa, lipasa, celulasa, pectato liasa y mananasa.
8. La composición de acuerdo con cualquiera de las reivindicaciones 5 a 7, en donde dicha composición además comprende un tensioactivo, adyuvante, blanqueante y/o polímero, o en donde dicha composición es libre de fosfato.
9. Una composición líquida, que comprende la composición de acuerdo con cualquiera de las reivindicaciones 5 a 8, en donde la composición líquida es un detergente líquido, o una composición de detergente en dosis unitaria.
10. Una composición en polvo, que comprende la composición de acuerdo con cualquiera de las reivindicaciones 5 a 8, en donde la composición en polvo es una barra de jabón o una composición detergente o una composición de detergente en dosis unitaria.