

Title: Gluten degradation by the gut microbiota of ulcerative colitis patients

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¹ bjj Yfgjhm<cgd]hU`cZ`Gci hYfb`8Yba Uf_ž8Yba Uf_

² bjj Yfgjhm<cZ`7U]Zcfb]U`GUb` : fUb]gVZ] G5

Background: 'Gy' YfU`gi X]Yg\Uj Y`fydcfYX`ja dfcj YX`X]g/Ug`gna dhca c`c[m]bi` WfUHj Y`W`]Hjgfl 7EdUHjYbngWbja]b['U` ['i hYb`ZYX`X]YH`H]gcVg/fj UHcbWdi d`YX`k]H`X]j YfgjhmXyd`YHcb]b`hY` ['i ha]MfcV]chU`cZ] 7`dUHjYbng`YX`i gHc`vndchYgjnY` hUhl 7!UggV]UHYX`YbYf]Vá]MfcVYgX]ZZYfYb]U`ma YHUVc`jnY`X]YHfmi ['i hYb`h`dfcXi W`ja a i bc [Yb]MdfcXi MjgHUhdfca chY`]bUua a UHcb"

Methods: ; 'i hYb`WbWbHfUHcb]b`gHc`k UgXYHYfa]bYX`i g]b ['i hYb`gdY]U]M]G5žUbX ['i hYb`]bU`_Y`k UgUgg]ggYX`VmZccX` ZYei YbMng fj Ymi]b`I 7`fb1%&E`UbX` \YU`hmVbHfc`g`fk`7/b1%`E` ; 'i hYb`a`YHUVc`jn]b ['VUM]f]U`k`YfY`]gc`UHYX`cb`a`]b]a`U` a`YX]U`g`dd`Ya`Yb`YX`k`]H`%` ['i hYb`Zfca`I`7`UbX`<7`UbX`]X]Yb]U`YX`Vm%`G`fFB5`dfcU`]b ["7Y`!ZYX`W`h`fY`a`YX]U`Zfca` ['i hYb`a`YHUVc`jn]b ['i hVUM]f]U`]gc`UHYgk UgUgg]ggYX`Zcf`ja a i bc [Yb]M]m]b]j`]Hc`i`g]b [<H&-`W`cbcW`H`g`

Results: `7ca`dUfYX`h`c`<7žI 7`dUHjYbngX]Xb]h`Wbja`Y` ['i hYb`X]ZZYfYbhm]fA`Ubb]K` \]hYm`d`2`\$`%`E`UbX`Yi` \]M]YX`Yei`]j`!` U`Yb`h`Y`Y`g`cZ ['i hYb`]b`h`Y`f`ZYW`g`fA`Ubb]K` \]hYm`d`1`\$`%``E`H`Y`dfcU`Y`cZ ['i hYb`XY [fUX]b ['VUM]f]U`]gc`UHYX`Zfca`I`7` gHc`k`UgX]g]bM]f7` \]gei`UfY`/`d`1`O`\$`\$`\$`%`E`7ca`dUfYX`k`]H`9`b`Y`f`c`W`M]g]gc`UHYg`dfcXi`Mjg`cZ ['i hYb`XY [fUX]b]cb`Vm6U` V]i`g`g`f]U]bg]bXi`WX` \] [\Yf`@`UbX`ck`Yf`c`W`X]b`fA`Ubb]K` \]hYm`d`1`\$`\$`\$`&`UbX`d`1`\$`\$` -`fYg]Y]M]j`Y`n] [YbY`Yi`dfYgg]cb]b` colonocytes irrespective of whether they(f 0064)9A]Pa (y(f .9)1a)<006<00515.5 (h)12 (n)1y gFQm]A`š