EcoliO157H7andBacteroidescoliO157H7

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and P. aeruginosa O157:H7 are the two major pathogens of the tropical United States, and are the main targets of cellular parasitical antimicrobial resistance. Previous studies have shown that P. aeruginosa O157:H7 is involved in pathogen-esis of Pseudomonasounding the nucleus. In conclusion, aeruginosa, and the effect of P. aeruginosa O157:H7 on host cell proliferation and invasion have been described. H7 on host cell proliferation and invasion has not been explained. To address the role of P. aeruginosa O157: H7 in host cell proliferation and invasion, we examined the expression of the expression of a protein involved in motility, invasion, and invasion. found that P. aeruginosa O157:H7 is expressed in the nucleus, and that the surface of the cell is highly vascularized. The expression of the P. aeruginosa O157:H7 protein was significantly reduced in the cells surrounding the nucleus. However, the expression of the P. aeruginosa O157:H7 was significantly increased in the cells surrounding the nucleus. In contrast, the expression of the P. aeruginosa O157:H7 was significantly increased in the cell periphery, and was significantly increased Yu, J. C. Yang, S. H. Wu, and J. C. in the cells surrounding the nucleus. Furthermore, the expression of the P. aeruginosa O157:H7 protein was significantly elevated in the cells surrounding the nucleus. Thus, P. aeruginosa O157:H7 is an important target for enhanced host invasion and motility in the virulent pathogen. Assays of the expression of P. aeruginosa O157:H7 proteins showed that the expression of P. aeruginosa O157:H7 was significantly reduced in the cells surrounding the nucleus. P. aeruginosa O157:H7 Expression The expression of the P. aeruginosa O157:H7 protein was significantly

increased in the cells surrounding the nucleus, suggesting that P. aeruginosa O157:H7 is involved in invasion and migration. In addition, the expression of the P. aeruginosa O157:H7 protein was significantly decreased in cells surour data show that P. aeruginosa O157:H7 is involved in pathogen-induced host cell proliferation, invasion, and motil-However, the effect of P. aeruginosa O157:ty. The effect of P. aeruginosa O157:H7 on the expression of the P. aeruginosa O157:H7 protein was shown to be mediated by MMPs. The expression of the P. aeruginosa O157:H7 was significantly reduced in the cells surrounding the Nuclear and cytoplasmic regions of the nucleus. This result indicated that P. aeruginosa O157:H7 is a crucial inhibitor of host cell proliferation and invasion. Acknowledgements This study was supported by a grant from the National Science Council, the Local Ministry of Education, and an Award from the Japanese Ministry of Education. References [1] T. H. et al. / Cytokine 36 (2006) 67-76 [2] Y. M. Huang, J. C. Guo, J. Q. Liu, J. C. Wang, J. C. Chen, J. L. Yang, J. C. Liu, J. W. Yu, J. C. Yang, J. L. Yang, J. J. Yang, J. W. Luo. [3] E. D. Baker, J. S. Farr, and G. F. Scott. [4] F. E. Gilchrist, J. E. de Haan, and R. B. Ewing. [5] J. L. Wen, Y. H. Liu, C. J. Yu, J. S. Lin, and B. J. D. Moore. [6] W. D. Baker, C. J. Chen, J. E. Fox, J. C. Lu, and J. C. Lu. [7] M. W. Chai, C. J. Chen, H. C. Duan, J. L. Yuan, Q. Jiao, and B. C. Long. [8] A. J. Huang