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Department of Genetics
University of Cambridge

From: Mrs. E.J. Whitfield
Email: [redacted]

DOWNING STREET
CAMBRIDGE
CB2 3EH
ENGLAND

Tel: [redacted]
Fax: [redacted]

21st August, 1995

Dear Colleague,

FlyBase has recently curated sequences from your laboratory coding for serotonin transporters.

Inspection of the two sequences from:
Demchyshyn et al., 1994, Proc. natn. Acad. Sci. USA. 91(11): 5158--5162 (U04809)
Corey et al., 1994, Proc. natn. Acad. Sci. USA. 91(3): 1188--1192 (U02296)
suggests to us that they may be the same, for example they are identical in amino acid sequence after residue 68 in sequence U04809 and 31 in sequence U02296. This data proposes they may have different N-terminal exons (or a sequencing problem with one or other).

The Toronto sequence (U04809) has been mapped to 60C on 2R but as far as I know the Caltech sequence has not been mapped.

It would help FlyBase if you could tell use whether or not these sequences are from the same or different genes.

The obvious gene symbol (if they are the same) would be SerT - Serotonin Transporter. Is that agreeable ?

Thank you for your help.

Michael Ashburner and Eleanor Whitfield for FlyBase.

From [redacted] **Fri Aug 25 18:55:07 1995**
From: [redacted]
To: [redacted]
Subject: Serotonin Transporter
Date: Fri, 25 Aug 1995 13:50:19 -0400 (EDT)

Mrs. E.J. Whitfield
Dept. of Genetics
University of Cambridge

Dear Mrs. Whitfield,

I am responding to your letter of 21Aug95 regarding the Drosophila serotonin tra
nsporter cDNA we have cloned (GenBank number U02296). Based on an alignment of
the nucleotide sequence of our clone with the Demchyshyn et al. cDNA clone (U048
09), we conclu
de that the two cDNA's represent the same gene. We have not done any chromosome
mapping with our clone The proposed gene symbol "SerT" is fine with us.

Would you mind e-mailing me back to verify that you received this messag
e? Thanks.

John Guastella
[redacted]