Characterization of Nectin-4 protein expression in non-small cell lung cancer patients

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INTRODUCTION

Nectin-4, a cell adhesion molecule from the Nectin-like family, is a validated tumor target overexpressed on the surface of cells in several cancers. Using Bicycle peptides, a novel class of fully synthetic, short, constrained peptides, we are developing Bicycle Toxin Conjugates® (BTCs) and Bicycle Tumor-Targeted Immune Cell Agonists (Bicycle TiCAs) that target Nectin-4 expressing tumors.

RESULTS

A) Nectin-4 TPS

B) Highest TPS per case

C) R-squared

D) Highest TPS per case

E) Highest TPS per case

F) Highest TPS per case

G) Highest TPS per case

H) Category

1. Adeno carcinoma

2. Grade 2

3. Grade 3

4. Stage 1

5. Stage 2

6. Stage 3

7. KRAS

8. No mutation

9. FAH

SUMMARY

- ~68% of NSCLC patients had Nectin-4 staining in at least one core from a biopsy taken at baseline.
- A similarly high rate of Nectin-4 positivity is observed in several NSCLC subcategories.
- The high percent of Nectin-4 positivity observed in NSCLC supports the inclusion of this indication in Bicycle’s BT8009-100 and BT7480-100 studies.

REFERENCES