

Group data for Activity I, Task I-II:

Group 1 – Draw your pie charts of positions 50 and 57 at the appropriate location on the board. Be sure you label the **position** and which **amino acid** is represented by each slice for each pie chart.

Low elevation population, Fort Larned National Monument, Kansas 620 m

amino acid position: 46 75

↓ ↓

NK53266_EF369651 FDVSHGSAQVKAHGGKVADALATAAGHLDD
NK53266_EF369650 FDVSHGSAQVKAHGGKVADALATAAGHLDD
NK53265_EF369649 FDVSHGSAQVKGHGAKVAGALATAASHLDD
NK53265_EF369648 FDVSHGSAQVKGHGAKVADALATAAGHLDD
NK53256_EF369647 FDVSHGSAQVKGHGAKVAGALATAASHLDD
NK53256_EF369646 FDVSHGSAQVKGHGAKVADALATAAGHLDD
NK53256_EF369645 FDVSHGSAQVKGHGAKVAGALATAASHLDD
NK53252_EF369644 FDVSHGSAQVKGHGAKVAGALATAASHLDD

Group 2 - Draw your pie chart of position 64 at the appropriate location on the board. Be sure you label the **position** and which **amino acid** is represented by each slice on the pie chart.

Low elevation population, Fort Larned National Monument, Kansas 620 m

amino acid position: 46 75

↓ ↓

NK53252_EF369643 FDVSHGSAQVKGHGAKVAGALATAASHLDD
NK53249_EF369642 FDVSHGSAQVKAHGGKVADALATAAGHLDD
NK53249_EF369641 FDVSHGSAQVKAHGGKVADALATAAGHLDD
NK53248_EF369640 FDVSHGSAQVKGHGAKVAGALATAASHLDD
NK53248_EF369639 FDVSHGSAQVKAHGGKVADALATAAGHLDD
NK53245_EF369638 FDVSHGSAQVKAHGGKVADALATAAGHLDD
NK53239_EF369637 FDVSHGSAQVKAHGGKVADALATAAGHLDD
NK53239_EF369636 FDVSHGSAQVKAHGGKVADALATAAGHLDD

Group 3 – Draw your pie charts of positions 50 and 57 at the appropriate location on the board. Be sure you label the **position** and which **amino acid** is represented by each slice for each pie chart.

Mid elevation population, Bonny Reservoir, Colorado, 1158 m

amino acid position: 46 75

↓ ↓

JFS143_EF369634 FDVSHGSAQVKAHGGKVADALATAAGHLDD
JFS142_EF369633 FDVSHGSAQVKAHGGKVADALATAAGHLDD
JFS140_EF369629 FDVSHGSAQVKAHGGKVADALATAAGHLDD
JFS142_EF369632 FDVSHGSAQVKGHGAKVAGALATAASHLDD
JFS141_EF369631 FDVSHGSAQVKGHGAKVAGALATAASHLDD
JFS80_EF369588 FDVSPGSAQVKGHGAKVAGALATAASHLDD
JFS136_EF369625 FDVSPGSAQVKGHGAKVAGALATAASHLDD
JFS136_EF369624 FDVSHGSAQVKGHGAKVAGALATAASHLDD

Group 4 – Draw your pie chart of position 64 at the appropriate location on the board. Be sure you label the **position** and which **amino acid** is represented by each slice on the pie chart.

Mid elevation population, Bonny Reservoir, Colorado, 1158 m

amino acid position: 46 75

↓ ↓

JFS140_EF369628	FDVSHGSAQVKAHGGKVADALATAAGHLDD
JFS137_EF369626	FDVSHGSAQVKAHGGKVADALATAAGHLDD
JFS135_EF369622	FDVSHGSAQVKAHGGKVADALATAAGHLDD
JFS124_EF369618	FDVSHGSAQVKAHGGKVADALATAAGHLDD
JFS117_EF369612	FDVSHGSAQVKAHGGKVADALATAAGHLDD
JFS123_EF369617	FDVSPGSAQVKGHGAKVAGALATAASHLDD
JFS123_EF369616	FDVSPGSAQVKGHGAKVAGALATAASHLDD
JFS137_EF369627	FDVSHGSAQVKAHGGKVADALATAASHLDD

Group 5 – Draw your pie charts of positions 50 and 57 at the appropriate location on the board. Be sure you label the **position** and which **amino acid** is represented by each slice for each pie chart.

High elevation population, Mount Evans, Colorado, 4347 m

amino acid position: 46 75

↓ ↓

JFS106_EF369607	FDVSPGSAQVKGHGAKVAGALATAASHLDD
JFS106_EF369606	FDVSPGSAQVKGHGAKVAGALATAASHLDD
JFS100_EF369605	FDVSPGSAQVKGHGAKVAGALATAASHLDD
JFS100_EF369604	FDVSPGSAQVKGHGAKVAGALATAASHLDD
JFS9_EF369603	FDVSPGSAQVKGHGAKVAGALATAASHLDD
JFS98_EF369602	FDVSHGSAQVKGHGAKVAGALATAASHLDD
JFS81_EF369590	FDVSHGSAQVKGHGAKVAGALATAASHLDD
JFS82_EF369593	FDVSHGSAQVKAHGGKVADALATAAGHLDD

Group 6 – Draw your pie chart of position 64 at the appropriate location on the board. Be sure you label the **position** and which **amino acid** is represented by each slice on the pie chart.

High elevation population, Mount Evans, Colorado, 4347 m

amino acid position: 46 75

↓ ↓

JFS97_EF369601	FDVSPGSAQVKGHGAKVAGALATAASHLDD
JFS97_EF369600	FDVSPGSAQVKGHGAKVAGALATAASHLDD
JFS95_EF369599	FDVSPGSAQVKGHGAKVAGALATAASHLDD
JFS95_EF369598	FDVSPGSAQVKGHGAKVAGALATAASHLDD
JFS88_EF369597	FDVSPGSAQVKGHGAKVAGALATAASHLDD
JFS76_EF369586	FDVSHGSAQVKAHGGKVADALATAAGHLDD
JFS76_EF369587	FDVSHGSAQVKGHGAKVAGALATAASHLDD